This Calendar sets forth the intention of the University, at the time of its publication, with respect to all matters contained therein. The University reserves the right at any time to deviate from what appears in the Calendar, either in order to serve the best interests of the University, or because of circumstances or occurrences beyond the University’s reasonable control. The University expressly denies responsibility or liability to any person who may suffer loss or who may be otherwise adversely affected by such change.

The Calendar is updated annually. If necessary, a list of corrections and post-publication updates to the print edition of the 2015/2016 Calendar, which have been changed in the online edition, will be posted at www.uleth.ca/ross/academic-calendar/updates. Check this web page regularly to keep informed of changes.

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# TABLE OF CONTENTS

| PART 1 | ADMISSION ........................................... 25 |
|        | Introduction ........................................ 25 |
|        | Application Deadlines ................................ 26 |
|        | Admission Routes and Required Qualifications for New Applicants ........................................... 28 |
|        | International Students .................................. 41 |
|        | English Language and Writting Requirements ......................................................... 42 |
|        | Transfer and Evaluation of Credit - Policies and Procedures ................................ 43 |
|        | How to Apply for Admission ................................ 47 |
|        | Policies for all Students ................................ 48 |
|        | Caveat - Authority to Rescind Admission/Registration Privileges .................................. 50 |
|        | Explanation of Terms ..................................... 50 |
| PART 2 | REGISTRATION ........................................... 51 |
|        | Student Records Retention Policy ....................... 51 |
|        | Advice and Information ................................ 51 |
|        | Terms Used During Registration ......................... 51 |
|        | When to Register ....................................... 53 |
|        | Order of Registration ................................ 53 |
|        | Registration Limitations ................................ 54 |
|        | Course Add/Drop ....................................... 54 |
|        | Cancellation and Withdrawal ............................ 54 |
|        | Appeal of Registration ................................ 55 |
| PART 3 | FEES .................................................. 57 |
|        | Disclaimer ............................................. 57 |
|        | Information ........................................... 57 |
|        | Financial Support ..................................... 57 |
|        | Application for Admission and Open Studies Student Registration Fees ................................. 57 |
|        | Deposits/Fees ......................................... 57 |
|        | Fee Payments .......................................... 58 |
|        | Fee Schedules ......................................... 58 |
|        | Cancellations, Withdrawals and Refunds ................ 60 |
|        | Oustanding Accounts .................................. 61 |
|        | Receipts .............................................. 61 |
|        | Fee Deadlines ......................................... 61 |
| PART 4 | ACADEMIC REGULATIONS, POLICIES, AND PROGRAM REQUIREMENTS ....................... 67 |
|        | Advice and Information ................................ 68 |
|        | Academic Regulations .................................. 68 |
|        | Grade Appeal Policy .................................. 72 |
|        | Student discipline policy - Academic Offences ........ 73 |
|        | Student discipline policy - Non-Academic Offences .... 75 |
|        | Caveat - Authority to Rescind Registration Privileges/Prohibit Access to University Property .... 78 |
|        | Appeal of Application of Policy Other than Grade or Student Discipline ......................... 78 |
|        | Assessment of Student Learning Policy and Procedures for Undergraduate Courses ................... 78 |
|        | Other Policies ......................................... 81 |
|        | Program Requirement ................................... 83 |

| PART 5 | GRADUATION ........................................... 89 |
|        | Application for Graduation ......................... 89 |
|        | Outstanding Accounts ................................ 89 |
|        | Convocation Invitation ................................ 90 |
|        | Conferral ............................................. 90 |
|        | Conferral in Absentia ................................ 90 |
|        | Names on Parchments ................................ 90 |
|        | Awarded Posthumously ................................ 90 |
|        | Transcripts ........................................... 91 |
|        | Parchment Replacement ................................ 91 |
|        | Convocation Attendance ................................ 91 |
|        | Revoking Degrees ..................................... 92 |

| PART 6 | UNIVERSITY OF LETHBRIDGE INTERNATIONAL .................. 93 |
|        | International Students ................................ 93 |
|        | Exchange Students .................................... 93 |
|        | International student services ....................... 93 |
|        | Language Services ..................................... 94 |

| PART 7 | FACULTY OF ARTS AND SCIENCE ......................... 95 |
|        | Philosophy and Programs ................................ 96 |
|        | Advising and Information ................................ 97 |
|        | Admission ............................................. 98 |
|        | Academic Standards ................................... 99 |
|        | Institutional Honours ................................ 100 |
|        | Arts and Science Disciplines ......................... 100 |
|        | Applied Studies ....................................... 100 |
|        | Independent Study .................................... 100 |
|        | Topics Courses ........................................ 101 |
|        | Cross-Listed Courses ................................ 101 |
|        | Undergraduate Thesis Courses (Honours Thesis Designation) ........................................... 101 |
|        | Co-operative Education/Internship Programs ........ 102 |
|        | Bachelor of Arts (B.A.) ................................ 103 |
|        | Bachelor of Science (B.Sc.) ......................... 104 |
|        | Bachelor of Arts and Science (BASc.) ............... 104 |
|        | Majors ................................................ 105 |
|        | Minors ................................................. 137 |
|        | Concentrations ....................................... 141 |
PART 8

FACULTY OF EDUCATION .......................... 151
Guiding Principles of Teacher Education .......... 151
Education Programs ................................ 152
Advising ....................................... 153
Admission to Bachelor of Education Programs .... 153
Requirements for Bachelor of Education Programs . 155
Policies and Regulations ........................... 157
Education Minors .................................. 159
Education Specializations ......................... 163
Diploma Programs in Education (D.P.E.) ........ 164

PART 9

FACULTY OF FINE ARTS .......................... 167
General Philosophy and Programs ................. 167
Advising and Information .......................... 168
Admission ...................................... 168
Academic Standards .............................. 172
Institutional Honours ................................ 173
Co-operative Education Studies ...................... 173
Independent Study ................................ 173
Degree Programs ................................ 173
Art Gallery ...................................... 190
University Theatres ................................ 190
Conservatory of Music ............................ 190

PART 10

FACULTY OF HEALTH SCIENCES ............... 191
General Philosophy ................................ 191
Advice and Information ............................ 191
Admission ..................................... 192
B.H.Sc. After Transfer to a Professional Faculty ... 196
Co-operative Education Studies .................... 196
Independent Study ................................ 197
Policies and Regulations ............................ 197
Bachelor of Nursing Programs ..................... 199
Bachelor of Health Sciences Programs ............... 200
Post-Diploma Bachelor of Therapeutic Recreation Program ........................................ 204
Minors ........................................... 204

PART 11

FACULTY OF MANAGEMENT ..................... 205
Philosophy and Programs .......................... 205
Faculty of Management Campuses .................. 206
Advising and Information .......................... 206
Admission ...................................... 206
Undergraduate Thesis Course (Honours Thesis Designation) ......................... 208
Co-operative Education Studies .................... 209
Academic Standards ................................ 210
Regulations that Apply to Courses Taken in Management ........................................ 210
Graduation ..................................... 211
Institutional Honours ................................ 212
Bachelor of Management (B.Mgt.) .................. 212
Post-Diploma Bachelor of Management .................. 217
Minors ........................................... 222
Bachelor of Management as a Second Degree .... 223
Double Majors .................................... 224
Combined Degrees ................................ 224
Certificate Programs .............................. 224
Professional Diploma in Accounting (PDA)/Chartered Professional Accountant (CPA) Bridging .... 226

PART 12

SOCIAL WORK (THE UNIVERSITY OF CALGARY) - LETHBRIDGE DIVISION ........... 227
Advice and Information ................................ 227
Bachelor of Social Work Program .................... 227
Admission ...................................... 227
Program Requirements ............................ 227
Southern Alberta M.S.W. for Students with a B.S.W. .......... 228

PART 13

COMBINED DEGREES ............................... 229
Basic Information ................................ 230
Advising ...................................... 230
Bachelor of Arts/Bachelor of Education
Bachelor of Science/Bachelor of Education .... 230
Bachelor of Fine Arts - Art/Bachelor of Education ...... 251
Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education ......................... 254
Bachelor of Fine Arts - New Media/Bachelor of Education ................. 254
Bachelor of Music/Bachelor of Education .......... 258
Bachelor of Management/Bachelor of Education .... 262
Bachelor of Arts/Bachelor of Management
Bachelor of Science/Bachelor of Management .... 264
Post-Diploma Combined Degrees Programs in Fine Arts and Education ......................... 281
Post-Diploma Combined Degrees Program in Management and Education ................. 284
Bachelor of Fine Arts - New Media/Bachelor of Management ............................ 287
Bachelor of Health Sciences/Bachelor of Management ......................... 289
B.A. or B.Sc. After Completion of a Professional Degree ......................... 291

PART 14

COURSES ............................................. 293
Course Subject Abbreviations ....................... 294
Where to Get More Information .................. 294
Course Numbering System ........................ 294
Definitions ..................................... 294
Fees ............................................. 297
Timetable ....................................... 297
Disclaimer ...................................... 297
How to Read a Course Description .................. 297

PART 15

AWARDS AND SCHOLARSHIPS .................... 457
Application for Awards ............................ 457
Entrance Awards ................................ 460
Entrance, Transfer, or Continuing Awards .......... 467
Undergraduate Awards ........................... 477
Academic Medals ................................ 540
Financial Assistance ............................ 541
PART 16

GENERAL SERVICES AT THE UNIVERSITY OF LETHBRIDGE ............ 547
Accommodated Learning Centre .................. 547
Admissions ......................................... 547
Bookstore ........................................... 548
Bus Service .......................................... 548
Campus ID Card ..................................... 548
Campus Safety - Security Services/Parking ........ 548
Campus Women's Centre (CWC) ................... 549
Career & CO-OP Services (CCS) ................... 549
Catering and Food Services - Provided by Aramark Higher Education .......................... 549
Chaplaincy ........................................... 550
CKXU Radio ......................................... 550
Conference and Event Services .................... 550
Convocation .......................................... 550
Counselling Services ............................... 550
Enrolment Services ................................. 550
Health Centre ....................................... 550
Housing Services .................................... 551
Information Technology Services .................. 553
International Student services ..................... 553
International Student Advisor ....................... 553
Lethbridge Public Interest Research Group (LPIRG) .. 553
Library .................................................. 554
Mail Services ........................................ 554
Native Student Advising ............................ 555
Off-Campus Housing ............................... 555
Office of the Associate Vice-President (Students) .... 555
Printing Services .................................... 555
Registrar’s Office .................................... 555
Sport and Recreation Services ....................... 555
Student Awards - Scholarships and Bursaries ........ 557
Student Finance - Government Student Loans and Grants ........................................ 558
Students’ Union ....................................... 558
The Meliorist (Student Newspaper) ................. 560
University Advancement ............................ 561
Writing Centre ...................................... 561

PART 17

ACADEMIC STAFF .................................. 563

PART 18

UNIVERSITY ORGANIZATION ....................... 577

PART 19

AWARDS OF DISTINCTION ....................... 585

PART 20

COLLABORATING AND PARTNERING INSTITUTIONS .......... 591
Collaborating Institutions ........................ 591
Partnering Institutions ............................ 591

GLOSSARY .......................................... 595

INDEX .............................................. 601
MANDATE STATEMENT

The University of Lethbridge is a public, board-governed university operating as a Comprehensive Academic and Research Institution under the authority of the Post-secondary Learning Act of Alberta.

Founded on the principles of liberal education, the University of Lethbridge provides undergraduate and graduate programs in education, fine arts, health sciences, humanities, management, nursing, sciences, and social sciences, leading to bachelor’s, master’s and doctoral degrees. The institution also provides certificate programs, post-baccalaureate certificate programs, post-graduate certificate programs and post-master’s certificate programs that lead to professional specialization, and open studies for lifelong learners.

The University of Lethbridge conducts pure and applied research and establishes and sustains facilities for pursuing original research. The University develops centres of research excellence in areas in which it has special expertise or that have particular relevance to the region or province. Programs of research, scholarship and creative activity include the study of fundamental issues for their intrinsic intellectual, aesthetic or philosophical interest, and of practical challenges of direct importance for social, cultural, economic or environmental wellbeing. The University of Lethbridge protects free inquiry and scholarship, facilitates access to scholarly resources, and supports artistic expression and the free and open scholarly discussion of issues.

In support of Campus Alberta, the University of Lethbridge collaborates with other institutions to ensure transferability within the province’s postsecondary education system and delivers seamless learning opportunities. As part of this commitment, the University works with other institutions to provide degree completion opportunities for university transfer students and diploma graduates.

Across the spectrum of intellectual pursuit, the University of Lethbridge continually develops innovative programs and research collections in existing and emerging disciplines to meet the needs of students, society and the economy. This includes collaborating with First Nations, Métis and Inuit peoples to develop programs and collections that are relevant and accessible to them.

The University of Lethbridge serves a variety of student groups: undergraduate and graduate students; transfer students; high school graduates; First Nations, Métis and Inuit students; adult learners; international students; and immigrants. It also serves students on campuses in Edmonton and Calgary and, through distance learning technology, students across the province, the country and the world. The University of Lethbridge strives to make university-level education available to all Albertans, including those living outside major urban centres and those who have traditionally not sought university education.

The University of Lethbridge fosters a learning community that meets the educational and personal growth needs of its students. This learning community emphasizes teaching excellence, exposure to research, information literacy, interaction with professors and instructors, effective academic advising and personal counselling, and a spectrum of cultural, recreational and extracurricular opportunities. The University of Lethbridge values a high quality of teaching and emphasizes the mutually beneficial relationship between teaching and research. Other facilities and services, such as the Library, student residences, health services, theatres and other performance spaces, and sports and recreation facilities support and enrich the student experience and the lives of community members while respecting environmental sustainability. The University strives to enhance its educational environment through innovation and creativity.

The University of Lethbridge builds mutually supportive relationships and partnerships, addresses the cultural and societal needs of the communities it touches, and advocates the critical role that education plays in the growth and well-being of an informed society. The University further contributes to society by discovering, preserving, synthesizing and disseminating knowledge for the benefit of all.

Approved by the Minister, Alberta Advanced Education and Technology
June 24, 2010

OUR PROMISE

To our students, we make a promise:

A promise to do our best, so they can be their best.
A promise to foster exploration, to share ideas and information, to teach but also to learn.
A promise to build the buildings, acquire the technology, cultivate the partnerships, and welcome the people essential to advancing an environment that excites and ignites learning.
A promise to create an environment where professors and students are colleagues and everyone grows together, an environment that recognizes the power of every student’s dream. And helps that dream come true.
DESTINATION 2020

Where we are going

We will be Canada's destination for all who seek a comprehensive, liberal education-based university that promotes a diverse and inclusive environment and inspires research-informed teaching and learning, creative discovery, scholarship, professional endeavour, experiential opportunities and community engagement.

The University of Lethbridge is Alberta's Destination University. Founded in 1967 on traditional Blackfoot land, we are a community that fosters an atmosphere of discovery, a welcoming place where students and faculty have the freedom to think, create and explore together. People are the essential resource of our institution; they define our university and are our greatest strength.

Who we are

We are committed to the individual student as a person of ultimate worth. Our students learn within and beyond the classroom in a research-intensive environment that offers connections with the diverse communities we serve. Students are taught by inspired scholars who integrate research and creativity with teaching.

Our motto, Fiat Lux ("Let There be Light"), and our founding principle of liberal education, continue to define and inspire us. We are committed to being the comprehensive academic and research university in Alberta that empowers individuals with broader knowledge and prepares them to think critically and creatively, communicate clearly, solve complex problems, and contribute fully to society. We give people more than an education: we give them a life trajectory and the tools to make a difference.

High quality is central to all that we do. Our commitment to maintaining high quality undergraduate and graduate academic programs is important to fostering a better society. High quality instruction and teaching are essential to our commitment to quality, as are the vibrant programs of research and creative activity that are a differentiating feature of our institution and a central part of our culture as a Comprehensive Academic and Research Institution. High quality facilities and services support our institution and its students, staff and academic staff.

The University of Lethbridge was born from the needs and aspirations of our local communities, and so access to our university is a foundational value. We are committed to providing student access to our high quality academic programs throughout the province, without creating unnecessary financial barriers. Community engagement with our university (and vice-versa) and the community use of our facilities are important to us.

Our liberal education foundation, combined with our student focus and research and creative excellence, enable a distinctive student experience across three campuses in Alberta - Lethbridge, Calgary and Edmonton. The result is engaged citizens, who are intent on understanding relevant issues and on improving our region, our country and our world.

Why We Exist

The University of Lethbridge exists to build a better society and inspire the minds of tomorrow.

- We create, discover, disseminate and apply knowledge through free and critical inquiry and excellence in basic and applied research of regional and global impact.
- At the undergraduate and graduate levels, we develop creative discoverers and independent learners, who understand their responsibility for critical thinking and scholarship.
- We prepare students for their personal and professional paths.
- We encourage and nurture creative expression.
- We pursue community engagement.
- We value, encourage and celebrate the talents and efforts of our students, faculty, staff and alumni.
OUR FUNDAMENTAL PRINCIPLES

The University of Lethbridge is committed to the following fundamental principles:

OUR COMMITMENT TO SOCIETY

We adopt a global perspective and cultivate responsible citizens who contribute to build better societies.

We encourage and protect free inquiry and expression, and model collegial and civil debate, dissent and controversy to critically explore and resolve issues.

We share with our communities our research, scholarship, creative activities, facilities, resources and initiatives, involving our communities wherever possible. This helps us anticipate and respond to societal needs.

We promote diversity and gender equity, and ensure equal opportunity for participation.

We are committed to collaborating with First Nations, Metis and Inuit peoples and communities to ensure that our partnerships, and ensuing programs, meet the needs of these communities.

OUR COMMITMENT TO CREATIVITY, INQUIRY, AND DISCOVERY

We believe in academic freedom. Research and acquiring knowledge are inherent societal goods and ends in themselves.

We encourage and support research, scholarship, critical inquiry and creative performance, in all areas in which we teach, and in areas of special relevance locally, nationally and globally.

We conduct research in many forms, including that with the broadest scope and longest term, and communicate the outcome of these efforts. Wherever appropriate, we connect our research and scholarship to the needs and aspirations of the communities we serve.

We sustain, and provide access to, the scholarly resources and knowledge base needed for research, scholarship and creative activity.

OUR COMMITMENT TO STUDENTS

We offer students a liberal education, the best preparation for their future, which provides a wide base of knowledge and promotes academic skills that students can apply broadly.

We are student-centred, and help students achieve their full potential by facilitating their intellectual growth and personal excellence in an atmosphere of engagement within and beyond the classroom.

We are a comprehensive university, offering excellence in undergraduate and graduate university education, and striving for a balance between our focus on teaching and our commitment to research, scholarship and creative activities.

We promote effective teaching and learning, applying face-to-face learning, experiential learning, and online and distance learning where those delivery modes make the best sense.

We strive for inspirational teaching and learning, which takes place in an environment of respect, free from discrimination.

We expand horizons and develop a global mindset, educating our students to become citizens of a complex society, capable of making important contributions.
OUR COMMITMENT TO RESPONSIBLE ACTION

We emphasize ethical action and are environmentally, socially and financially responsible.

We practice procedural fairness and act in accordance with all applicable codes of professional and ethical practice and conduct.

We use leading technology effectively, to facilitate and enhance learning and research relationships among students, faculty members and other University stakeholders.

Approved by the Board of Governors
December 2013

THE UNIVERSITY

The University of Lethbridge is a non-denominational, coeducational university incorporated under the provisions of the Post-secondary Learning Act of the Province of Alberta. It is a provincial university with membership in the Association of Commonwealth Universities and the Association of Universities and Colleges of Canada. The University of Lethbridge participates with the universities and other post-secondary institutions of Alberta in a variety of co-operative programs and activities.

The University of Lethbridge was established in 1967 with a student population of 638. It has grown to a current population of roughly 8,200 full-time and part-time students, both graduate and undergraduate, with a campus overlooking the beautiful Oldman River. Approximately 3,000 students are enrolled in the summer session. The University also offers programs in Calgary and Edmonton, serving approximately 1,000 students. There are more than 38,000 U of L alumni worldwide.

The University is situated on over 550 acres in west Lethbridge, a sub-division in Alberta’s fourth largest city with a population of approximately 90,000.

The centre of a prosperous farming and ranching area, Lethbridge is characterized by its many green areas and parks, and its abundant cultural and recreational facilities. It is located in southern Alberta, approximately 145 kilometres (90 miles) east of the Canadian Rockies and 95 kilometres (60 miles) north of the United States border.

University Hall, designed by architect Arthur Erickson, has received international acclaim for its architectural originality and functional design.

PROGRAMS

The University of Lethbridge offers Canada's premier learning experience. It is grounded in liberal education and committed to providing its students with small classes, a personal experience, and the most vital and engaging learning environment in the country. The University also offers undergraduate programming as follows:

The Faculty of Arts and Science offers instruction leading to the following degrees: Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.) and Bachelor of Arts and Science (BASc.). The Co-operative Education/Internship Program option is available for all majors. The Faculty also offers a Post-Diploma Bachelor of Arts in Agricultural Studies, as well as Post-Diploma Bachelor of Science degrees in Agricultural Studies, Computer Science, Environmental Science, and Geography with a Concentration in Geographical Information Science.

The Faculty of Education offers instruction leading to the Bachelor of Education (B.Ed.) degree. The Faculty also offers the Diploma in Education (D.P.E.) program for certified practicing educators.

The Faculty of Fine Arts offers instruction leading to the following degrees: Bachelor of Fine Arts - Art (B.F.A. - Art), Bachelor of Fine Arts - Dramatic Arts (B.F.A. - Dramatic Arts), Bachelor of Fine Arts - Multidisciplinary (B.F.A. - Multidisciplinary), Bachelor of Fine Arts - New Media (B.F.A. - New Media), and Bachelor of Music (B.Mus.), as well as a number of post-diploma programs leading to these degrees. The Co-operative Education/Internship Program option is available for all Fine Arts programs.

The Faculty of Health Sciences, in collaboration with Lethbridge College, prepares baccalaureate graduates as beginning practitioners in the Nursing Education in Southwestern Alberta (NESA) program, Bachelor of Nursing and Bachelor of Nursing After Degree. The Faculty also offers the Bachelor of Health Sciences degree in Addictions Counselling and Public Health. Post-diploma degree programs are also available for Addictions Counselling majors in the Bachelor of Health Sciences. The Co-operative Education/Internship Program option is available for Faculty of Health Sciences programs.

The Faculty of Management offers instruction leading to the Bachelor of Management (B.Mgt.) degree as well as post-diploma programs. The Faculty also offers certificate programs and the Professional Diploma in Accounting program. The Co-operative Education/Internship Program option is available for all Management majors.
The University offers instruction leading to the following Combined Degrees:

- Bachelor of Arts/Bachelor of Education (B.A./B.Ed.)
- Bachelor of Science/Bachelor of Education (B.Sc./B.Ed.)
- Bachelor of Fine Arts - Art/Bachelor of Education (B.F.A. - Art/B.Ed.)
- Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education (B.F.A. - Dramatic Arts/B.Ed.)
- Bachelor of Fine Arts - New Media/Bachelor of Education (B.F.A. - New Media/B.Ed.)
- Bachelor of Music/Bachelor of Education (B.Mus./B.Ed.)
- Bachelor of Management/Bachelor of Education (B.Mgt./B.Ed.)
- Bachelor of Arts/Bachelor of Management (B.A./B.Mgt.)
- Bachelor of Science/Bachelor of Management (B.Sc./B.Mgt.)
- Bachelor of Fine Arts - New Media/Bachelor of Management (B.F.A. - New Media/B.Mgt.)
- Post-Diploma Bachelor of Fine Arts - Art/Bachelor of Education (B.F.A. - Art/B.Ed.)
- Post-Diploma Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education (B.F.A. - Dramatic Arts/B.Ed.)

Post-Diploma Bachelor of Music/Bachelor of Education (B.Mus./B.Ed.)
Post-Diploma Bachelor of Management/Bachelor of Education (B.Mgt./B.Ed.)

The University also offers programs for transfer to professional faculties at other universities in Dentistry, Engineering, Journalism, Law, Medicine, Social Work, and Veterinary Medicine. A four-year Bachelor of Social Work (B.S.W.) is offered by the University of Calgary, in co-operation with the University of Lethbridge, on the Lethbridge campus.

The School of Graduate Studies offers instruction leading to the following degrees: Master of Arts (M.A.), Master of Counselling (M.C.), Master of Education (M.Ed.), Master of Fine Arts (M.F.A.), Master of Music (M.Mus.), Master of Nursing (M.N.), Master of Science (M.Sc.), Master of Science (M.Sc. - Management), and Doctor of Philosophy (Ph.D.) in the sciences, multidisciplinary areas and education. The Co-operative Education/Internship Program option is available in the Master of Arts and Master of Science programs.

THE UNIVERSITY SHIELD

The University of Lethbridge adopted its official Shield (shown left) in 1973, six years after the University’s inception. Developed by a Senate committee with the leadership of University President Dr. William E. Beckel, the Shield design and Heraldic description was approved by the Senate on October 2, 1973 and ratified by the Board of Governors later that month.

The Shield was designed primarily in the University’s colours of blue and gold. The gold sun on the blue shield represents southern Alberta. The blue and silver book above the gold and blue wreath represents the search for knowledge. The University’s motto, ‘Fiat Lux,’ Latin for ‘Let there be light,’ is lettered on a gold and silver band below the shield.

In 2003, the original design was simplified (shown right). The new shield brings focus to the fiery sun with twisted Aztec rays and to the motto, ‘Fiat Lux.’
UNIVERSITY OF LETHBRIDGE PRINCIPLES OF STUDENT CITIZENSHIP

A. PREAMBLE

Definition
Student means any person, including a faculty or staff member, who is:
1. Registered or enrolled in one or more credit or non-credit courses and programs at the University of Lethbridge for the current or a future term; or
2. Registered or enrolled in any University-sponsored program.

Purpose & Scope
These Principles of Student Citizenship define the University of Lethbridge's expectations for the behaviour of its students.

Application
The Principles of Student Citizenship apply to all students at the University of Lethbridge. They outline the behaviour that the University of Lethbridge expects of its students while they are on University premises, on professional practice assignment, on paid and volunteer placements, or off-campus for academic or University purposes.

Philosophy Behind the Principles
The educational environment at the University of Lethbridge encourages intellectual exchange, creativity, originality and discovery. It also emphasizes free inquiry and expression, diversity, equality and equal opportunity for participation. The Principles of Student Citizenship are designed to support and protect this educational environment by defining students' responsibilities as members of the academic community. These principles operate within the framework provided by the institution's Statement of Philosophy, Vision, Mission, and Fundamental Principles.

The University of Lethbridge has a tradition of academic integrity and personal civility. The Principles of Student Citizenship aim to promote and continue this tradition.

B. FUNDAMENTAL PRINCIPLES OF STUDENT CITIZENSHIP

1. Students honour the following basic values of academic integrity:
   a. Honesty in learning, teaching, research and service.
   b. Respect of a wide range of thoughts, opinions and ideas; of colleagues, instructors and administration; and of the work of others.
   c. Responsibility for upholding the integrity of scholarship and research.

2. Students conduct themselves in a manner consistent with the Fundamental Principles of the University of Lethbridge.

3. Students respect the rights of every student and faculty member to attain their educational goals fairly.

4. Students respect the health, safety and welfare of every member of the University of Lethbridge community.

5. Students respect and uphold the rights and freedoms of all members of the University of Lethbridge community, in accord with the principles articulated in the Canadian Charter of Rights and Freedoms.

6. Students treat with consideration the buildings, grounds, facilities and equipment of the University of Lethbridge.

7. Students strive to maintain collegial relationships with fellow students, peers, faculty, staff and administration.

8. Students abide by the policies, regulations, rules and procedures of the University of Lethbridge and its academic and administrative units.

9. Students abide by reasonable oral or written instructions given by University of Lethbridge personnel in the implementation of their duties to ensure compliance with institutional policies, regulations, rules and procedures.

10. All students accept the responsibility to abide by the University of Lethbridge Principles of Student Citizenship.

To view the entire version of the Principles of Student Citizenship, please visit www.uleth.ca/ross/policies/student_citizenship.pdf.
NOTICES TO STUDENTS
Regarding the Collection of Personal Data

THE COLLECTION OF PERSONAL INFORMATION
The University collects personal information pursuant to Alberta’s Post-secondary Learning Act (PSLA), Alberta’s Freedom of Information and Protection of Privacy Act (FOIP), and other applicable federal and provincial law.

The subsections which follow outline personal information collected by the University. Where there is a specific legal authority to collect information, it is noted in the subsection. Your personal information will be used for admission, registration, scholarships and awards administration, academic progress monitoring, planning and research, alumni relations, contacting you about University courses and services, and operating other University-related programs. The University may share and disclose your personal information within the University to carry out its mandate and operations. Specific data will be disclosed to relevant student associations, and to the federal and provincial governments to meet reporting requirements. For questions on the collection, use and disclosure of this information, please contact the University's FOIP Coordinator at foip@uleth.ca or 403-332-4620.

The University's practices for the collection, use and disclosure of personal information about students, and this Notice, comply with the provisions of Alberta's Freedom of Information and Protection of Privacy Act (FOIP).

THE OFFICIAL STUDENT RECORD
The Registrar of the University maintains the Official Student Record. It includes: information provided when an Application for Admission is submitted or when registration for and change to programs and courses are submitted; the student identification number; academic record; graduation status; and immigration status (collection is specifically authorized by the Immigration and Refugee Protection Act) correspondence. It is used to determine a student's eligibility for admission and registration; to track progress at the University; to contact the student when necessary; to confirm a student's status and identity; and to develop statistical reports (although the information in statistical reports is grouped to protect individual privacy of individuals).

Some personal information in the Official Student Record is available to and used by other units of the University in order to meet the University's mandate. However, access to the Official Student Record is limited in accordance with the University's Confidentiality of Student Records Policy and the FOIP Act.

When a student is eligible, certain elements from the Official Student Record are used in the Alumni and Development Record. These are: name, address, Faculty and graduation status. They are used for ongoing contact with alumni and for the University's development activities.

For further information about the Official Student Record, please contact the Registrar:
403-320-5700 regoffice@uleth.ca

FACULTY/SCHOOL RECORDS
The University's Faculties and Schools collect personal information about students. This information includes class lists including pictures, records of a student's attendance at class, completion of assignments, marks received for assignments and examinations, correspondence to and from the student, honours received by the student, contact addresses or telephone numbers, student advising information and graduation status.

The information is used to identify the student, track the student's progress, contact the student as necessary, operate the programs of the Faculty or School, provide advice to the student as requested and permit participation in the programs offered by the Faculty or School.

For further information about personal information collected by the Faculties and Schools, please contact the Office of the Dean:

- Arts and Science 403-329-5101 artsci.deansoffice@uleth.ca
- Education 403-329-2254 edu.sps@uleth.ca
- Fine Arts 403-329-2126 finearts@uleth.ca
- Health Sciences 403-329-2676 dean.hlsc@uleth.ca
- Management 403-329-2633 management.dean@uleth.ca
- Graduate Studies 403-329-2793 sgs@uleth.ca

LIBRARY
The Library collects the personal information about students that is necessary to operate the lending activities and reference services of the University Library.

For further information about personal information collected by the Library, please contact the University Librarian:
403-329-2261 libadmin@uleth.ca

SCHOLARSHIPS AND STUDENT FINANCE
Scholarships and Student Finance collects specific personal information from and about students who have applied for scholarships, bursaries, awards and other financial aid. The information collected is determined by the donors of the financial aid and relates to specific eligibility requirements set by the donors. The University also administers student loan programs under contracts with the financial assistance in the form of federal and provincial loans, grants, bursaries and awards. Personal information collected from and about students who apply for Alberta and Canada Student Loans are authorized by the Alberta Students Finance Act and related regulations, and by the Canada Student Loans Act, the Canada Student Financial Assistance Act and the Income Tax Act.

The information collected by Scholarships and Student Finance is used to administer the University Awards Program (Part 15), the Alberta (Government) Scholarships Program and the loan programs of the provincial and federal governments.

For further information about personal information collected by Scholarships and Student Finance, please contact Scholarships and Student Finance:
403-329-2585 fin.aid@uleth.ca
**HOUSING SERVICES**
The Housing and Catering Services Offices collect personal information necessary to operate student housing and food services programs, including the assignment to housing units, financial records related to payment for housing, and food services.

For further information about personal information collected by the Housing Services and Food and Catering Services Offices, please contact the Executive Director, Ancillary Services:

403-329-2213 housing@uleth.ca

**INFORMATION TECHNOLOGY SERVICES**
The University offers email services and computer access to students. The primary purposes of the service are to enable students to contact one another and their faculty members, participate in online research and discussions, and to allow assignments to be completed. Information Technology Services collects personal information about students in order to assign access to the University servers, monitor the use of University equipment in accordance with agreements signed by students to obtain access, and to obtain assistance with the use of University equipment.

For further information about personal information collected by the Department of Information Technology Services, please contact the Chief Information Officer:

403-332-4664 help@uleth.ca

**FINANCIAL SERVICES**
The University Financial Services collects personal information about students in order to ensure debts owed to the University are recorded and collected.

The information is used to determine eligibility to participate in University programs and activities, including ongoing registration for academic programs, graduation, Library services, Housing and Catering and Food Services programs, Students’ Union programs, Recreation Services programs, and Health Centre programs.

For further information about personal information collected by Financial Services, please contact the Executive Director, Financial Services:

403-329-2387 financial.services@uleth.ca

**HEALTH CENTRE**
The Health Centre collects personal information that is necessary to operate clinical health services and to manage health care for students and University employees who visit the Health Centre. In addition to information collected under the general authority, the Alberta Health Care Insurance Act authorizes the collection of the individual’s Alberta Health Care Insurance number or its equivalent for billing purposes. Collection of personal information by health practitioners and confidentiality of clinical records are also subject to the provisions of the Alberta Health Disciplines Act, Health Facilities Review Act, Health Information Act and Medical Professions Act.

For further information about personal information collected by Health Services, please contact the Associate Vice-President (Human Resources and Administration):

403-329-2484 health.centre@uleth.ca

**SPORT AND RECREATION SERVICES**
Sport and Recreation Services collects personal information about students necessary to operate and promote intramural programs, offer recreational classes and offer drop-in programs. The information is used to determine eligibility to participate in the programs and assess and collect fees where applicable.

For further information about personal information collected by Sport and Recreation Services, please contact the Executive Director, Sport and Recreation Services:

403-329-2380 sports.csc@uleth.ca

**INTERCOLLEGIATE AND CLUB ATHLETICS**
The University intercollegiate athletic teams collect the personal information necessary for student athletes to participate in Canadian Interuniversity Sport (CIS) programs at both regional and national levels. University club teams collect personal information necessary for student athletes to participate in competitive sports outside CIS programs at local, regional and national levels.

The information is used to determine eligibility and fitness for teams or competitions, and to operate and promote the teams.

For further information about personal information collected by athletic teams, please contact the Executive Director, Sport and Recreation Services:

403-329-2380 (See U of L Directory for further contact information: directory.uleth.ca)

**FACULTY OF FINE ARTS**
The Faculty of Fine Arts collects personal information necessary for students to participate in Fine Arts programs and activities. The University considers that recordings of performances or photographs of students carrying out their work are necessary for the proper operation of the programs offered by the Faculty; and that the same may be used for the promotion of the Faculty and the programs it offers and may be retained in the archives of the University.

For further information about personal information collected by the Faculty of Fine Arts, please contact the Dean, Faculty of Fine Arts:

403-329-2126 finearts@uleth.ca

**CAMPUS SAFETY**
Risk and Safety Services, Security Services, and Parking Services all collect personal information about students in the reporting and investigation of risk, safety and security matters at the University, and for the operation of the University’s parking services.

For further information about personal information collected by Campus Safety departments, please contact the Executive Director, Campus Safety:

403-329-2603 security-i@uleth.ca

**UNIVERSITY OF LETHBRIDGE STUDENTS AND THE ALBERTA WORKERS’ COMPENSATION BOARD**
In 1985, the Alberta Workers’ Compensation Board issued an Order under Section 7 of the Workers’ Compensation Regulation which provides that the Workers’ Compensation Act applies to students registered in and attending the University of Lethbridge (and other post-secondary institutions in Alberta) while they are in attendance. The Workers’ Compensation Board coverage does not extend to students who suffer accidents while engaging or participating in extracurricular sporting, recreational, social or personal fulfillment activities which are not a current academic requisite or which are not required as a part of the course of study in which the student is registered. Workers’ Compensation Board coverage means students are treated as employees when injured in an incident related to the course of studies.

The University’s Risk and Safety Services is available to assist the student if a Workers’ Compensation claim is required.

403-329-2190 security-i@uleth.ca

403-329-2350
The University of Lethbridge Undergraduate Calendar is updated annually and is effective for the academic year that runs from May 1 to April 30.

From time to time, the Minister of Innovation and Advanced Education may provide the University with approval to offer new programs and majors. Such approval may be given after the Calendar has been published. In this event, the University will list newly approved programs and majors along with complete descriptions and requirements on the University website.

In addition, a list of corrections and post-publication updates to the print edition of the 2015/2016 Calendar will be posted at www.uleth.ca/ross/academic-calendar/updates. The online edition of the Calendar will be changed to reflect these changes. Please check this web page regularly for information about changes.
ACADEMIC SCHEDULE

Spring Semester 2015

January

Jan 1, 2 New Year's (University Offices Closed)
Jan 6 Registration begins for Open Studies and Visiting Students for the Spring semester; space permitting.
Jan 6 New Student Orientation.
Jan 7 First day of classes for the Spring semester.
Jan 7 Orientation meeting for Professional Semester II students in the Faculty of Education.
Jan 7 Orientation meeting for students registered in Education 2500.
Jan 13 Last day for course add/drop and registration for the Spring semester, including Independent Study and Undergraduate Thesis courses.
Jan 14 First day for submission of Credit/Non-Credit course designations to the Registrar's Office.
Jan 14, 15 Registration for Audit Students.

February

Feb 1 Last day for submission of Credit/Non-Credit course designations to the Registrar's Office.
Feb 1 Students who withdraw by this date are assessed a percentage of fees.*
Feb 7 Deadline for submission of Grade Appeal forms for courses completed in the Fall semester to the Faculty/School Office.
Feb 15 Deadline for submission of Student Program Change forms (Degree, Major, Specialization, Minor, Concentration) to the Registrar's Office.
Feb 16 Family Day (University Offices Closed)
Feb 17 - 21 Reading Week (No Classes, University Offices Open)
Feb 26 Last day for withdrawal from individual courses offered in the first half of the semester only.*

March

Mar 1 Deadline for Application for Graduation for Spring Convocation.
Mar 15 Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees.*
Mar 19 First day of registration for continuing students, including M.Ed. students, for Summer Session and the Fall semester.

April

Apr 1 Deadline to clear all outstanding accounts for Spring Convocation.
Apr 3 Good Friday (University Offices Closed)
Apr 6 Easter Monday (University Offices Closed)
Apr 8 Last class meeting for Wednesday night classes.
Apr 9 Last class meeting for Thursday night classes.
Apr 15 Additional and last class meeting for Monday night classes.
Apr 16 Registration begins for Open Studies and Visiting Students for Summer Session; space permitting.
Apr 18 Last day of classes for the Spring semester. (The last class meeting for professional semester students varies according to required hours in the practicum.)
Apr 18 Last day for withdrawal from individual courses (including half-semester courses offered in the last half of the semester), or complete withdrawal, for the Spring semester. Students are assessed full fees.*
Apr 18 Last day for application to the Faculty/School Advising Office for Withdrawal with Cause for the Spring semester.
Apr 18 Last day for submission of Application for Placement form to the Field Experience Office for Professional Semester III students intending to complete requirements in the Fall semester.
Apr 21 Spring semester final examinations begin.**
Apr 29 Spring semester final examinations end.
Apr 30 Deadline for Withdrawal of Application for Graduation for Spring Convocation.
Apr 30 Deadline for receipt of outstanding documents in support of an Application for Graduation for Spring Convocation.
Apr 30 Last day of the academic year.

Deadline for Grade Submission:
Spring semester: May 4, 2015

Notes:
• Fee deadlines are on page 66.
• Admission application and document deadlines are on page 27.
• Dates and Deadlines for Summer 2016 to Spring 2018 are tentative and subject to change.
• When a deadline date occurs on a weekend or Statutory or Civic Holiday, the deadline will be the next working day.

Instructional Time per Semester Course:
1950 minutes, with deviations permissible up to 100 minutes either way.
Fall and Spring semesters will have the following number of classes:
• 39 Monday, Wednesday, and Friday classes
• 26 Tuesday and Thursday classes
• 13 (three-hour classes) Monday, Tuesday, Wednesday, Thursday, Friday, or Saturday
Summer Session courses will have the same instructional time as Fall and Spring courses.
Summer Semester 2015

May
- May 1: First day of the academic year.
- May 1: Last day for continuing students to register for Fall and be guaranteed access to courses required in their major and/or program.
- May 6: First day of classes for Summer Session, Full-Term (e.g., Co-operative Education work terms and Applied Studies).
- May 6: First day of classes for Summer Session I.
- May 6: Orientation meeting for students registered in Education 2500.
- May 8: Last day to register and add/drop for Summer Session I, for all students.
- May 11: Registration for Audit Students for Summer Session I.
- May 11, 12: Submission of Credits/Non-Credit course designations for Summer Session I to the Registrar’s Office.
- May 18: Victoria Day (University Offices Closed)
- May 28, 29: Spring Convocation.

June
- Jun 7: Deadline for submission of Grade Appeal forms for courses completed in the Spring semester to the Faculty/School Office.
- Jun 17: Last day of classes for Summer Session I.
- Jun 17: Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session I.*
- Jun 18: Summer Session I final examinations for Tuesday-Thursday classes.
- Jun 19: Summer Session I final examinations for Friday-Saturday classes.**
- Jun 22: Summer Session I final examinations for Monday-Wednesday classes.

July
- Jul 1: Canada Day (University Offices Closed)
- Jul 8: First day of classes for Summer Session II and II/III.
- Jul 10: Last day to register and add/drop for Summer Session II and II/III, for all students.
- Jul 13: Registration for Audit Students for Summer Session II and II/III.
- Jul 13, 14: Submission of Credits/Non-Credit course designations for Summer Session II and II/III to the Registrar's Office.
- Jul 28: Last day of classes for Summer Session II.
- Jul 28: Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session II.*
- Jul 29: Summer Session II final examinations.

August
- Aug 1: Deadline for Application for Graduation for Fall Convocation.
- Aug 1: Registration begins for Open Studies and Visiting Students for the Fall semester; space permitting.
- Aug 3: Civic Holiday (University Offices Closed)
- Aug 5: First day of classes for Summer Session III.
- Aug 6: Last day to register and add/drop for Summer Session III for all students.
- Aug 7: Registration for Audit Students for Summer Session III.
- Aug 7 - 10: Submission of Credit/Non-Credit course designations for Summer Session III to the Registrar’s Office.
- Aug 15: Deadline for Application for Visiting Student Authorization for Visiting Studies in the Fall semester.
- Aug 15: Deadline to clear all outstanding accounts for Fall Convocation.
- Aug 19: Last day of classes for Summer Session II/III.*
- Aug 19: Last day of classes for Summer Session Full-Term.
- Aug 19: Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session II/III.*
- Aug 19: Last day for withdrawal from individual courses, or complete withdrawal, for full-term Summer Session courses (May-August).*
- Aug 20: Summer Session II/III final examinations for Tuesday-Thursday classes.
- Aug 24: Summer Session II/III final examinations for Monday-Wednesday classes.
- Aug 25: Last day of classes for Summer Session III.
- Aug 25: Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session III.*
- Aug 26: Summer Session III final examinations.
- Aug 31: Deadline for receipt of outstanding documents in support of an Application for Graduation for students completing program requirements in Summer Session who want to have this recorded on their transcript.
- Aug 31: Deadline for Withdrawal of Application for Graduation for Fall Convocation.

* See the fee assessment schedule on p. 60.
** Calgary and Edmonton campuses final examination schedules may vary slightly from the Lethbridge campus schedule.

Instructional Time per Semester Course:
1950 minutes, with deviations permissible up to 100 minutes either way. Fall and Spring semesters will have the following number of classes:
- 39 Monday, Wednesday, and Friday classes
- 26 Tuesday and Thursday classes
- 13 (170-minute classes) Tuesday or Thursday
- 12 (180-minute, three-hour classes) Monday, Tuesday, Wednesday, Thursday, Friday, or Saturday

Summer Session courses will have the same instructional time as Fall and Spring courses.
Fall Semester 2015

September

- Sep 7: Labour Day (University Offices Closed)
- Sep 8: New Student Orientation
- Sep 9: First day of classes for the Fall semester, including evening classes, on and off campus.
- Sep 9: Orientation meeting for students registered in Education 2500.
- Sep 15: Last day for course add/drop and registration for the Fall semester, including Independent Study and Undergraduate Thesis courses.
- Sep 16: First day for submission of Credit/Non-Credit course designations to the Registrar’s Office.
- Sep 16, 17: Registration for Audit Students.

October

- Oct 1: Last day for submission of Credit/Non-Credit course designations to the Registrar’s Office.
- Oct 7: Deadline for submission of Grade Appeal forms for courses completed in Summer Session to the Faculty/School Office.
- Oct 12: Thanksgiving (University Offices Closed)
- Oct 15: Deadline for submission of Student Program Change forms (Degree, Major, Specialization, Minor, Concentration) to the Registrar’s Office.
- Oct 17: Fall Convocation.
- Oct 23: Last day for withdrawal from individual courses offered in the first half of the semester only.

November

- Nov 1: Deadline for Application for Graduation for students completing program requirements in the Fall semester who want to have their transcript recorded.
- Nov 11: Remembrance Day (University Offices Closed)
- Nov 15: Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees.
- Nov 16: First day of registration for continuing students, including M.Ed. students, for the Spring semester.

December

- Dec 1: Deadline to clear all outstanding accounts in support of an Application for Graduation for students completing program requirements in the Fall semester who want to have this recorded on their transcript.
- Dec 1: First day of classes for the Fall semester. (The last class meeting for professional semester students varies according to required hours in the practicum.)
- Dec 1: Last day for withdrawal from individual courses (including half-semester courses offered in the last half of the semester), or complete withdrawal, for the Fall semester. Students are assessed full fees.
- Dec 14: Fall semester final examinations begin.
- Dec 16: Registration begins for Open Studies and Visiting Students for the Spring semester; space permitting.
- Dec 24: Deadline for receipt of outstanding documents in support of an Application for Graduation for students completing program requirements in the Fall semester who want to have this recorded on their transcript.
- Dec 25 - 31: Christmas Holidays (University Offices Closed)

Deadline for Grade Submission:

Fall semester: Jan 4, 2016

Notes:
- Fee deadlines are on page 66.
- Admission application and document deadlines are on page 27.
- Dates and Deadlines for Summer 2016 to Spring 2018 are tentative and subject to change.
- When a deadline date occurs on a weekend or Statutory or Civic Holiday, the deadline will be the next working day.
### Instructional Time per Semester Course:

1950 minutes, with deviations permissible up to 100 minutes either way.

Fall and Spring semesters will have the following number of classes:

- 39 Monday, Wednesday, and Friday classes
- 26 Tuesday and Thursday classes
- 13 (170-minute classes) Tuesday or Thursday
- 12 (180-minute, three-hour classes) Monday, Tuesday, Wednesday, Thursday, Friday, or Saturday

Summer Session courses will have the same instructional time as Fall and Spring courses.

### Notes:

- Fee deadlines are on page 66.
- Admission application and document deadlines are on page 27.
- Dates and deadlines for Summer 2016 to Spring 2018 are tentative and subject to change.
- When a deadline date occurs on a weekend or Statutory or Civic Holiday, the deadline will be the next working day.

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**Spring Semester 2016**

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#### January
- Jan 1: New Year's (University Offices Closed)
- Jan 5: New Student Orientation.
- Jan 6: First day of classes for the Spring semester.
- Jan 6: Orientation meeting for Professional Semester II students in the Faculty of Education.
- Jan 6: Orientation meeting for students registered in Education 2500.
- Jan 12: Last day for course add/drop and registration for the Spring semester, including Independent Study and Undergraduate Thesis courses.
- Jan 13: First day for submission of Credit/Non-Credit course designations to the Registrar's Office.
- Jan 13, 14: Registration for Audit Students.

#### February
- Feb 1: Last day for submission of Credit/Non-Credit course designations to the Registrar's Office.
- Feb 1: Students who withdraw by this date are assessed a percentage of fees.*
- Feb 7: Deadline for submission of Grade Appeal forms for courses completed in the Fall semester to the Faculty/School Office.
- Feb 15: Deadline for submission of Student Program Change forms (Degree, Major, Specialization, Minor, Concentration) to the Registrar's Office.
- Feb 15: Family Day (University Offices Closed)
- Feb 16 - 20: Reading Week (No Classes. University Offices Open)
- Feb 25: Last day for withdrawal from individual courses offered in the first half of the semester only.*

#### March
- Mar 1: Deadline for Application for Graduation for Spring Convocation.
- Mar 15: Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees.*
- Mar 17: First day of registration for continuing students, including M.Ed. students, for Summer Session and the Fall semester.
- Mar 25: Good Friday (University Offices Closed)
- Mar 28: Easter Monday (University Offices Closed)

#### April
- Apr 1: Deadline to clear all outstanding accounts for Spring Convocation.
- Apr 15: Last day of classes for the Spring semester. (The last class meeting for professional semester students varies according to required hours in the practicum.)
- Apr 15: Last day for withdrawal from individual courses (including half-semester courses offered in the last half of the semester), or complete withdrawal, for the Spring semester. Students are assessed full fees.*
- Apr 15: Last day for application to the Faculty/School Advising Office for Withdrawal with Cause for the Spring semester.
- Apr 15: Last day for submission of Application for Placement form to the Field Experience Office for Professional Semester III students intending to complete requirements in the Fall semester.
- Apr 16: Registration begins for Open Studies and Visiting Students for Summer Session; space permitting.
- Apr 18: Spring semester final examinations begin.**
- Apr 26: Spring semester final examinations end.
- Apr 30: Deadline for Withdrawal of Application for Graduation for Spring Convocation.
- Apr 30: Deadline for receipt of outstanding documents in support of an Application for Graduation for Spring Convocation.
- Apr 30: Last day of the academic year.

* See the fee assessment schedule on p. 60.
** Calgary and Edmonton campuses final examination schedules may vary slightly from the Lethbridge campus schedule.

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### Deadline for Grade Submission:

**Spring semester:** Apr 29, 2016

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### Instructional Time per Semester Course:

1950 minutes, with deviations permissible up to 100 minutes either way.

Fall and Spring semesters will have the following number of classes:

- 39 Monday, Wednesday, and Friday classes
- 26 Tuesday and Thursday classes
- 13 (170-minute classes) Tuesday or Thursday
- 12 (180-minute, three-hour classes) Monday, Tuesday, Wednesday, Thursday, Friday, or Saturday

Summer Session courses will have the same instructional time as Fall and Spring courses.
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1. INTRODUCTION

The University of Lethbridge welcomes applications from Canadian and International students, from students who have completed or are completing high school, and from students who have studied at other post-secondary institutions.

The University of Lethbridge imposes no admission limitations on the basis of provincial residence or citizenship.

Applications are accepted for:

Undergraduate programs for fall semester (commencing September) and spring semester (commencing January) admission; and,

Graduate programs for fall, spring and summer admission.

Undergraduate applicants are considered for the most appropriate admission route according to their qualifications:

- **High School** applicants with secondary (high school) credentials only, with little or no post-secondary study (see Section 3.a., p. 28);
- **Transfer** applicants who have completed three or more transferable courses at another post-secondary institution (college, technical or vocational institute, university college or university) (see Section 3.b.1., p. 35).

**College Diploma** applicants who have completed an approved diploma at a recognized college or technical or vocational institute (see Section 3.b.2., p. 36).

**College Certificate** applicants who have completed an approved certificate at a recognized college or technical or vocational institute (see Section 3.b.3., p. 36).

**Applied and Technology Degree** applicants who have completed an applied degree at a recognized Alberta college or technical institute (see Section 3.b.4., p. 36).

**Previous Degree** applicants who have already completed a degree at a recognized university (see Section 3.b.5., p. 36).

**Mature** or **Non-Matriculated Adult** applicants, aged 21 or over, whose qualifications meet the requirements of no other admission route (see Section 3.c., p. 36).

**Visiting** or **Exchange** students from another university (see Section 3.d., p. 37).

7. TRANSFER AND EVALUATION OF CREDIT - POLICIES AND PROCEDURES

- **Procedures** (see Section 7.a., p. 43)
- **Transfer and Evaluation Policies** (see Section 7.b., p. 44)
- **Procedures for Student Appeal** (see Section 7.c., p. 47)

8. HOW TO APPLY FOR ADMISSION

- **Procedures for All Applicants** (see Section 8.a., p. 47)
- **Procedures for Readmission** (see Section 8.b., p. 47)
- **Procedures for Acceptance to Undergraduate Programs in the Faculty of Education, Faculty of Fine Arts, Faculty of Health Sciences, Faculty of Management, or to any Combined Degrees programs** (see Section 8.c., p. 48)
- **Undergraduate Program Application and Document Deadlines** (see Section 8.d., p. 48)
- **Responsibility of the Applicant or Student** (see Section 8.e., p. 48)

9. POLICIES FOR ALL STUDENTS

- **Access to Courses** (see Section 9.a., p. 48)
- **Professional Transfer Programs** (see Section 9.b., p. 48)
- **Enrolment Management** (see Section 9.c., p. 48)
- **Enrolment Limits and Admission Quotas** (see Section 9.d., p. 48)
- **Conditional Admission** (see Section 9.e., p. 48)
- **Year of the Calendar** (see Section 9.f., p. 49)
- **Simultaneous Enrolment** (see Section 9.g., p. 49)
- **Academic Probation** (see Section 9.h., p. 49)
- **Required to Withdraw** (see Section 9.i., p. 49)
- **Misrepresentation/ Falsified Admission Documents** (see Section 9.j., p. 49)

10. CAVEAT - AUTHORITY TO RESCIND ADMISSION/REGISTRATION PRIVILEGES

11. EXPLANATION OF TERMS
Note also:

Open Studies students who wish to study at the University but who do not wish to be or who are not qualified to be admitted to a regular program of studies may register in credit courses (see Part 2 - Registration, Section 3.f., p. 52).

Continuing students who wish to change programs subsequent to being admitted to the University must successfully apply for a change of program (see Section 4, p. 41).

Detailed admission information is listed below, or may be obtained by contacting the Registrar’s Office at tel. 403-320-5700, by sending electronic mail to inquiries@uleth.ca or by accessing the University’s website at: www.uleth.ca

Any student encountering difficulties with admission or transfer of credit to the University is encouraged to contact the Manager of Admissions for assistance and further information (tel. 403-382-7134 or fax 403-329-5159).

2. APPLICATION DEADLINES


For Undergraduate Admissions Application and Document Deadlines for 2015/2016, see table on p. 27.

See University of Lethbridge 2015/2016 Graduate Studies Calendar for Graduate Application and Document deadlines.

Supporting Documents

All documents supporting an application should be sent directly to:

Registrar’s Office
University of Lethbridge
4401 University Drive
Lethbridge, Alberta
T1K 3M4
**2015/2016 Undergraduate Application and Document Deadlines**

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<td>August 31</td>
<td>September 15</td>
<td>November 15</td>
<td>November 15</td>
</tr>
<tr>
<td>Calgary Campus ⁷</td>
<td>All</td>
<td>August 1</td>
<td>August 10</td>
<td>August 31</td>
<td>December 1</td>
<td>December 10</td>
</tr>
<tr>
<td>Pre-Engineering (Engineering Transfer)</td>
<td>High School</td>
<td>March 1</td>
<td>May 1</td>
<td>August 15</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B.Ed., including Combined Degrees with B.Ed. ⁸</td>
<td>Transfer</td>
<td>May 1</td>
<td>June 1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Post-Diploma—B.F.A. - Art, B.F.A. - Dramatic Arts, and B.Mus.</td>
<td>Transfer</td>
<td>June 30</td>
<td>July 15</td>
<td>August 31</td>
<td>November 1</td>
<td>November 15</td>
</tr>
<tr>
<td>Post-Diploma—B.Mgt.</td>
<td>Transfer</td>
<td>June 30</td>
<td>July 15</td>
<td>August 31</td>
<td>November 1</td>
<td>November 15</td>
</tr>
<tr>
<td>Post-Diploma—B.H.Sc. (Addictions Counselling majors)</td>
<td>Transfer</td>
<td>June 1</td>
<td>June 15</td>
<td>June 15</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Fine Arts—majors in Art Studio and New Media</td>
<td>High School</td>
<td>June 30</td>
<td>July 15</td>
<td>August 31</td>
<td>November 1</td>
<td>November 15</td>
</tr>
<tr>
<td>B.Mus. (Digital Audio Arts majors)</td>
<td>High School</td>
<td>June 30</td>
<td>July 15</td>
<td>August 31</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B.Nursing, including After Approved Degree</td>
<td>High School</td>
<td>March 1</td>
<td>April 1</td>
<td>August 15</td>
<td>June 15</td>
<td>N/A</td>
</tr>
<tr>
<td>B.Sc. (Environmental Science majors) excluding Post-Diploma B.Sc.</td>
<td>High School</td>
<td>May 1</td>
<td>August 1</td>
<td>August 15</td>
<td>November 1</td>
<td>November 15</td>
</tr>
<tr>
<td>B.H.Sc. (Aboriginal Health)</td>
<td>High School</td>
<td>June 30</td>
<td>July 15</td>
<td>August 31</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B.H.Sc. (Addictions Counselling)</td>
<td>High School</td>
<td>June 1 ⁹</td>
<td>August 1 ⁹</td>
<td>August 15</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Post-Diploma Bachelor of Therapeutic Recreation</td>
<td>Transfer</td>
<td>June 30</td>
<td>July 15</td>
<td>July 31</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Notes:

1. Conditional admission decisions may be made for qualified applicants on the basis of interim/unofficial documents received prior to the Admissions Document deadline. Applications will be considered only if Admissions has received sufficient documentation by this date on which to base an admission decision (at least all interim or unofficial transcripts and any other required documents). Note that a high school or transfer applicant may not use grades from summer school courses or supplementary exams for Fall admission unless they are received by this date.

2. An application is not complete until all final, official documents have been received by the U of L. U of L Advanced English for Academic Purposes (EAP) results will be accepted from the Summer term EAP classes for admission to the subsequent Fall semester, and from the Fall semester EAP classes for the subsequent Spring semester. All other documents pertaining to English Language Proficiency (e.g., TOEFL) must be received no later than the preceding August 1 for Fall admission, or November 15 for Spring admission.

3. Early Admission applicants are advised to apply by December 15; this is important for scholarship eligibility and optimal course selection. Applicants who do not meet the Early Admission application or admission document deadlines, but who meet the regular deadlines, will be considered according to regular high school policies.

4. Transfer General Admission deadlines apply to all domestic applicants who have completed three or more transfer courses, a college diploma, or a previous degree (see Part 1 - Admissions, Section 3.b), unless applying to a program listed below.

5. Final official documents, including the diploma completion statement, for transfer applicants applying to Post-Diploma programs must be received by August 31. Final official documents for transfer applicants to all other programs must be received by July 31.

6. International applicants should ensure that they apply early enough to accommodate the processing time for their study permit application. Study permit processing times may be found at [www.cic.gc.ca](http://www.cic.gc.ca). These deadlines do not apply to international applicants already in Canada or to applicants to programs that have earlier application deadlines.

7. Calgary Campus deadlines apply to Canadian Citizens, Permanent Residents, and International applicants already in Canada who are applying to undergraduate programs offered at the Calgary Campus.

8. Although all other supporting documents must be received by June 1, grades from U of L’s EDUC 2500 completed in Summer Session I will be considered in admission decisions for the subsequent Fall semester. Applications for pre-Education programs are accepted for both Fall and Spring semesters.

9. Addictions Counselling applicants must submit an Admission Statement to the Admissions Office by June 1. The Admission Statement form is available at [www.uleth.ca/healthsciences](http://www.uleth.ca/healthsciences).

The U of L reserves the right to consider applications received or completed after the application/documents deadlines should openings remain in any program.
3. ADMISSION ROUTES AND REQUIRED QUALIFICATIONS FOR NEW APPLICANTS

a. High School Admission Route

The High School admission route is available to students presenting Alberta high school credentials, high school credentials from other Canadian provinces, and credentials from other countries.

1. Canadian High School Courses

   Alberta, N.W.T., and Nunavut

   **One academic English course:**
   - English Language Arts 30-1

   **Three academic courses from this list:**
   - A boriginal Studies 30
   - Biology 30
   - Chemistry 30
   - One Fine Arts course:
     - Art 30 or Art 31
     - Dance 35
     - Drama 30
     - Choral Music 30, General Music 30, or Instrumental Music 30
   - One of Mathematics 30-1 or Mathematics 30-2
   - Mathematics 31
   - Physics 30
   - Science 30
   - Social Studies 30-1
   - One or more 30-level languages in distinct subjects
   - Five credits in Advanced-level CTS Computer Science (CSE)

   **Fifth course:**
   - A fifth distinct course which:
     - Can be academic or non-academic
     - Must be at the 30 level
     - Must be worth at least five credits (multiple courses worth a total of five or more credits can be used)
     - Cannot be a Special Project

   **Note:** While either Mathematics 30-1 or Mathematics 30-2 may be used as an academic course for admission, Mathematics 30-1 is required as a prerequisite for courses in certain programs. See "Programs that DO Require Mathematics" at www.uleth.ca/ross/hs_prereqs/math/math_do.

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

   British Columbia and Yukon Territory

   **One academic English course:**
   - One of English 12 or English 12 First Peoples

   **Three academic courses from this list:**
   - Biology 12
   - B.C. First Nations Studies 12
   - Calculus 12
   - Chemistry 12
   - Comparative Civilizations 12
   - English Literature 12
   - One Fine Arts course:
     - Art Foundations 12, Studio Arts 12, or Visual Arts 12
     - Dance 12
     - Choral Music 12 or Instrumental Music 12
     - Theatre Performance 12 or Theatre Production 12
   - One of Français 12, French 12, or French 12A
   - Geography 12
   - Geology 12
   - History 12
   - ICT: Computer Programming 12
   - One of Pre-Calculus 12 or Foundations of Mathematics 12
   - Physics 12
   - Writing 12
   - Any 12 or 12A-level language

   **Fifth course:**
   - A fifth distinct course which:
     - Can be academic or non-academic
     - Must be at the 12 level
     - Must be worth at least four credits

   **Note:** While either Mathematics 30-1 or Mathematics 30-2 may be used as an academic course for admission, Mathematics 30-1 is required as a prerequisite for courses in certain programs. See "Programs that DO Require Mathematics" at www.uleth.ca/ross/hs_prereqs/math/math_do.

   Instead of Pre-Calculus 12, students may use U of L's Mathematics 0500.
New Brunswick

One academic English course:
- One of English 121 or 122

Three academic courses from this list:
- One of Biology 120, 121, or 122
- One of Chemistry 121 or 122
- Environmental Studies 122
- One Fine Arts course:
  - 121 or 122-level Fine Arts course
  - Theatre Arts 120
  - Music 120
- One of French 121 or 122
- Geography 120
- One of History 121 or 122
- Latin 122
- Advanced Mathematics - Intro Calculus 120
- One of Trig.3-space 121 or 122
- One of Physics 121 or 122
- World Issues 120
- Any 121- or 122-level language

Fifth course:
- A fifth distinct course which:
  - Can be academic or non-academic
  - Must be at the 12 level
  - Must be worth at least one credit

Newfoundland and Labrador

One academic English course:
- English 3201

Three academic courses from this list:
- Biology 3202
- One of French 3200 or 3201
- Earth Systems 3209
- One of Mathematics 3200 or 3201
- Calculus 3208
- Physics 3204
- World Geography 3202
- World History 3201
- Any 3200-level, two-credit Fine Arts course
- Any 3200-level language

Fifth course:
- A fifth distinct course which:
  - Can be academic or non-academic
  - Must be at the 3000 level
  - Must be worth at least two credits

Note: While any one of Pre-Calculus 12, Advanced Mathematics 12, Mathematics 12, or Mathematics Foundations 12 may be used as an academic course for admission, one of Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12 is required as a prerequisite for courses in certain programs. See “Programs that DO Require Mathematics” at www.uleth.ca/ross/hs_prereqs/math/math_do.
Instead of Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12, students may use U of L’s Mathematics 0500.

Ontario

One academic English course:
- One of English 4U or ETS4U

Three academic courses:
- Three additional ‘4U’ courses which may include one fine arts ‘4M’ course

Fifth course:
- A fifth distinct course which:
  - Can be ‘4U’ or ‘4M’

Note: While either Mathematics of Data Management (MDM4U) or Advanced Functions (MHF4U) may be used as an academic course for admission, Advanced Function (MHF4U) is required as a prerequisite for courses in certain programs. See “Programs that DO Require Mathematics” at www.uleth.ca/ross/hs_prereqs/math/math_do.
Instead of Advanced Functions (MHF4U), students may use U of L’s Mathematics 0500.

Prince Edward Island

One academic English course:
- One of English 611 or 621

Three academic courses from this list:
- Biology 621
- One of Chemistry 611 or 621
- One of Physics 621
- Oceanography 621
- Any 621-level language

Fifth course:
- A fifth distinct course which:
  - Can be academic or non-academic
  - Must be at the 600 level
  - Must be worth at least one credit

Note: While one of Mathematics 621A or Mathematics 621B may be used as an academic course for general admission, Mathematics 621B is required as a prerequisite for courses in certain programs. See “Programs that DO Require Mathematics” at www.uleth.ca/ross/hs_prereqs/math/math_do.
Instead of Mathematics 621B, students may use U of L’s Mathematics 0500.

Nova Scotia

One academic English course:
- One of English 12 (Academic) or English 12 African Heritage

Three academic courses from this list:
- Biology 12
- Calculus 12
- Chemistry 12
- One Fine Arts course:
  - Art 12
  - Film & Video Production 12
  - Music 12
  - French 12
- Global Geography 12
- Geology 12
- Global History 12
- One of Pre-Calculus 12, Advanced Mathematics 12, Mathematics 12, or Mathematics Foundations 12
- Physics 12
- Any 12-level language

Fifth course:
- A fifth distinct course which:
  - Can be academic or non-academic
  - Must be at the 12 level
  - Must be worth at least one credit

Note: While any one of Pre-Calculus 12, Advanced Mathematics 12, Mathematics 12, or Mathematics Foundations 12 may be used as an academic course for admission, one of Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12 is required as a prerequisite for courses in certain programs. See “Programs that DO Require Mathematics” at www.uleth.ca/ross/hs_prereqs/math/math_do.
Instead of Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12, students may use U of L’s Mathematics 0500.
Quebec
One academic English course:
• English Language 603
Two semesters of CEGEP courses, including four of the following:
• Biology 101
• Chemistry 202
• One Fine Arts course:
  - Art 520
  - Drama 560
  - Music 550
• One of Français Fransaskois A30 or B30, or Fransaskois English Language Arts courses
• Geography 320
• History 330
• Mathematics 201
• Physics 203
• Any 607- to 616-level language

Two complete years may qualify the applicant for advance credits.

Saskatchewan
One academic English course:
• English Language Arts A30/English Language Arts B30 (counts as one course) (Fransaskois/ Fransaskois A30 or B30 or Fransaskois immersion in combination with either one of the English Language Arts courses)
Three academic courses from this list:
• Biology 30
• Calculus 30
• Chemistry 30
• Computer Science 30
• One Fine Arts course:
  - Arts Education 30 or Visual Art 30
  - Dance 30
  - Drama 30
  - Band 30, Choral 30, or Music 30
• One of Fransaskois/ Fransaskois A30 or B30, or French 30
• Geography 30
• Geology 30
• History 30
• One of Pre-Calculus 30 or Foundations of Mathematics 30
• Native Studies 30
• Physics 30
• Social Studies 30
• Any 30-level language

Fifth course:
• A fifth distinct course which:
  - Can be academic or non-academic
  - Must be at the 30 level
  - Must be worth at least one credit

Notes:
1. Only one Fine Arts course may be used as an academic course in the admission average. Additionally, the Fine Arts course may be used as the fifth course. For example, Art 30 could be used as one of the academic courses and General Music 30 could be used as the fifth course.
2. Only one course in a particular language will be used for admission purposes. For example, in Alberta, only one of the following courses could be used as an academic course: French Language Arts 30-1 or French as a Second Language 30-2Y will be used.

The admission average for Quebec high schools is calculated using English Literature 603 and two semesters of CEGEP courses (see page 30).

Students must have a minimum mark of 50 percent (’P’ in British Columbia) for any subjects used in the admission average.

The admission average for all Canadian high schools (excluding Quebec) is calculated using English Language Arts 30-1 or its equivalent, three academic Grade 12 courses comparable to Alberta 30-level courses, and a fifth Grade 12 level course. The admission average for Quebec high schools is calculated using English Literature 603 and two semesters of CEGEP courses (see page 30).

For High School Applicant Program Availability and Required Qualifications, see page 32.

3. Early Admission
Early Admission may be offered to students currently completing regular high school requirements in Canadian high schools. Applicants will be selected from among those who submit an acceptable statement of courses and grades. Courses considered will include both those completed and those in progress.

Successful applicants will be selected using both actual and predicted academic achievement.

The Early Admission average is calculated, in Alberta, using a combination of final and estimated Grade 12 blended grades. Self-reported grades:
The applicant will provide final grades for Grade 12 courses comparable to Alberta 30-level courses, and a fifth Grade 12 level course. The admission average for Quebec high schools is calculated using English Literature 603 and two semesters of CEGEP courses (see page 30).

If an applicant is not admissible based on self-reported grades, the Admissions Office will require interim transcripts in order for the Admissions Office to make the prediction of grades and final admission decision.

Early Admission is open to all high school applicants completing high school for the first time and currently enrolled in Canadian high schools. Early admission, Pre-Calculus 30 is required as a prerequisite for courses in certain programs. See "Programs that DO Require Mathematics." at www.uleth.ca/ross/hs_prereqs/math/math_do.

Instead of Pre-Calculus 30, students may use U of L’s Mathematics 0500.
Admission is available to students currently studying at Canadian high schools under student visas, provided that acceptable proof of English Language Proficiency (where applicable - see Section 6, p. 42) is provided by the Early Admission application deadline. Early Admission is not available to international students currently studying outside Canada.

Through ApplyAlberta (Alberta Post-Secondary Application System), early admission applicants authorize the University of Lethbridge to request transcripts on their behalf from Alberta Education. Out-of-province applicants must arrange to have official transcripts forwarded directly to the Admissions Office from the appropriate provincial Department of Education. In all cases, final high school transcript(s) must be received by the August 15 preceding the semester of admission. If final grades are not received by that date, the University reserves the right to rescind admission.

**Qualifying Average for Early Admission**

For most programs, Early Admission is offered to applicants with a predicted admission average of 65 percent or higher. Competitive programs (e.g., the B.Sc. (Environmental Science), the B.F.A. - New Media, the B.N., and the Pre-Engineering (Engineering Transfer Program)) are exceptions.

The University reserves the right to rescind admission at any time should the student's final admission qualifications fall below the minimum standard required for admission to the University (i.e., a final admission average of 60%).

4. **International High School**

High school qualifications from other countries are considered for admission purposes (see Section 5, International Students, p. 41).

5. **Advanced Placement Program**

Students presenting Advanced Placement (AP) credentials have the option at the point of admission of receiving transfer credit for approved courses where they have achieved AP grades of ‘4’ or ‘5’, or of taking the University of Lethbridge course. An official AP transcript is required.

Advanced Placement credentials are recognized both as an admission route and as a means of satisfying specific course requirements:

a. Students presenting AP credentials may receive university course credits for AP courses if they meet the minimum grade achievement levels given in the table on p. 34.

b. Where an applicant presents both an AP course and the corresponding Grade 12 course for a particular subject, the higher grade will be used for admission purposes. AP course grades are converted as follows:

<table>
<thead>
<tr>
<th>AP Result</th>
<th>Grade 12 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>96%</td>
</tr>
<tr>
<td>4</td>
<td>86%</td>
</tr>
<tr>
<td>3</td>
<td>76%</td>
</tr>
<tr>
<td>2</td>
<td>65%</td>
</tr>
<tr>
<td>1</td>
<td>not acceptable for admission</td>
</tr>
</tbody>
</table>

To obtain AP transcripts:
AP College Board ATP (Transcript Department)
PO. Box 6671
Princeton, NJ 08451-6671
www.collegeboard.com/student/testing/ap/exgrd_rep.html

6. **International Baccalaureate Program**

Students presenting International Baccalaureate (IB) credentials have the option at the point of admission of receiving transfer credit for approved courses in which they have achieved satisfactory grades. An official IB transcript is required.

IB credentials are recognized both as an admission route and as a means of satisfying specific course requirements:

a. High School applicants presenting IB credentials may receive university course credits for IB courses if they meet the minimum grade achievement levels given in the table on p. 34.

b. Applicants presenting complete IB diplomas are guaranteed general admission to the University, subject to English Language Proficiency requirements and deadlines. Admission to quota programs is not guaranteed, but is subject to normal enrolment management procedures.

c. Where an applicant presents both an IB course and the corresponding Grade 12 course for a particular subject, the higher grade will be used for admission purposes. IB course grades are converted as follows:

<table>
<thead>
<tr>
<th>IB Grade</th>
<th>Grade 12 Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>97%</td>
</tr>
<tr>
<td>6</td>
<td>84%</td>
</tr>
<tr>
<td>5</td>
<td>77%</td>
</tr>
<tr>
<td>4</td>
<td>65%</td>
</tr>
<tr>
<td>3</td>
<td>55%</td>
</tr>
<tr>
<td>2</td>
<td>45%</td>
</tr>
<tr>
<td>1</td>
<td>45%</td>
</tr>
</tbody>
</table>

To obtain IB transcripts:
IB North America
475 Riverside Drive, 16th floor
New York, NY 10115
USA
www.ibo.org/iba/transcripts/index.cfm
## High School Applicants - Program Availability and Required Qualifications

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Programs Available</th>
<th>Required Admission Average*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Science</td>
<td>Four-year degree programs: Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), and Bachelor of Arts and Science (B.A.Sc.). See Part 1 - Admission - Section 3.a.1. (p. 28) for general admission requirements.</td>
<td>65%</td>
</tr>
<tr>
<td>Engineering Transfer Program</td>
<td>Four-year degree program: Bachelor of Science (Environmental Science). See Part 1 - Admission - Section 3.a.1. (p. 28) for general admission requirements.</td>
<td>Competitive, typically 75% and above</td>
</tr>
<tr>
<td>'Pre-programs' to Education</td>
<td>'Pre-programs' to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. - Art, Dramatic Arts, or New Media/B.Ed., B.Mgt./B.Ed., B.Mus./B.Ed., B.Sc./B.Ed. Admission to the Combined Degrees programs is competitive and typically occurs after two or three years of university study. B.A. and B.Sc. applicants, see Arts and Science above. B.F.A. and B.Mus. applicants, see Fine Arts below. B.Mgt. applicants, see Management below.</td>
<td>65%</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Four-year degree programs: B.F.A. - Art, Dramatic Arts, Multidisciplinary, Native American Art, or New Media and B.Mus. See Part 9 - Fine Arts, Section 3. Admission (p. 168) for additional admission requirements. See Part 9 - Fine Arts, Section 8.e.3. (p. 187) for Studio Audition procedures for the B.Mus. program.</td>
<td>65% Audition/Portfolio/Questionnaire</td>
</tr>
<tr>
<td>Five-year Combined Degrees</td>
<td>'Pre-programs' to five-year Combined Degrees programs: B.F.A. - Art, Dramatic Arts, or New Media/B.Ed. and B.Mus./B.Ed. Admission to the Combined Degrees programs is competitive and typically occurs after three years of university study. The Faculty of Fine Arts requires a portfolio for B.F.A. - Art or B.F.A. - New Media applicants. See Part 9 - Fine Arts, Section 8.e.3. (p. 187) for Studio Audition procedures for the B.Mus. program.</td>
<td>65% Audition/Portfolio/Questionnaire</td>
</tr>
<tr>
<td>Five-year Combined Degrees</td>
<td>Five-year Combined Degrees program: B.F.A. - New Media/B.Mgt. See Part 13 - Combined Degrees, Section 11 (p. 287) for additional admission requirements.</td>
<td>65% Portfolio/Questionnaire</td>
</tr>
<tr>
<td>Faculty</td>
<td>Programs Available</td>
<td>Required Admission Average*</td>
</tr>
<tr>
<td>------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------</td>
</tr>
</tbody>
</table>
| Health Sciences  | Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Aboriginal Health major  
  See Part 10 - Health Sciences, Section 3.c.1. (p. 193) for additional admission requirements.                                                                                                       | Competitive Biology 30 and One of Pure Mathematics 30, Mathematics 30-1, or Mathematics 30-2 are required |
|                  | Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Addictions Counselling major  
  See Part 10 - Health Sciences, Section 3.c.2. (p. 194) for additional admission requirements.                                                                                                               | 65% Admission Statement     |
|                  | Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Public Health major  
  See Part 10 - Health Sciences, Section 3.c.3. (p. 195) for additional admission requirements.                                                                                                               | 65%                         |
|                  | Four-year degree program: Bachelor of Nursing (B.N.) First two years offered in collaboration with Lethbridge College.  
  See Part 10 - Health Sciences, Section 3.a. (p. 192) for additional admission requirements.                                                                                                                    | Competitive                  |
|                  | Five-year Combined Degrees program: B.H.Sc./B.Mgt.  
  See Part 13 - Combined Degrees, Section 12 (p. 289) for additional admission requirements.                                                                                                                     | 65%                         |
| Management       | Four-year degree program: Bachelor of Management (B.Mgt.).  
  See Part 11 - Management, Section 4.a. (p. 206) for additional admission requirements.                                                                                                                               | 65%                         |
  See Part 13 - Combined Degrees, (p. 229) for additional admission requirements.  
  B.F.A. - New Media applicants, see Fine Arts above.  
  B.H.Sc. applicants, see Health Sciences above.                                                                                                                   | 65%                         |
|                  | "Pre-programs" to five-year Combined Degrees program: B.Mgt./B.Ed. (see above)  
  See Part 13 - Combined Degrees, (p. 262) for additional admission requirements.                                                                                                                                  | 65%                         |
### Advanced Placement Program

<table>
<thead>
<tr>
<th>AP Course</th>
<th>U of L Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>AHMS 2225/2xxx (6)</td>
</tr>
<tr>
<td>Art Studio (Drawing)</td>
<td>ART 2031 (3)</td>
</tr>
<tr>
<td>Art Studio (2-D Design)</td>
<td>ART 2xxx (3)</td>
</tr>
<tr>
<td>Art Studio (3-D Design)</td>
<td>ART 2032 (3)</td>
</tr>
<tr>
<td>Biology</td>
<td>BIO L 1010 (3)</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MATH 1560/2560 (6)</td>
</tr>
<tr>
<td>Calculus BC (grade of 3, 4, or 5)</td>
<td>MATH 1560/2560 (6)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHEM 1000/2000 (6)</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CPSC 1620 (3)</td>
</tr>
<tr>
<td>Economics (Macroeconomics)</td>
<td>ECON 1012 (3)</td>
</tr>
<tr>
<td>Economics (Microeconomics)</td>
<td>ECON 1010 (3)</td>
</tr>
<tr>
<td>English (Language and Composition)</td>
<td>ENGL 1900 (3)</td>
</tr>
<tr>
<td>English (Literature and Composition)</td>
<td>ENGL 1xxx (3)</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>ENV S 2000 (3)</td>
</tr>
<tr>
<td>French (Language)</td>
<td>FREN 1500/2000 (6)</td>
</tr>
<tr>
<td>French (Literature)</td>
<td>FREN 2300/2xxx (6)</td>
</tr>
<tr>
<td>Geography (Human)</td>
<td>GEO G 1200 (3)</td>
</tr>
<tr>
<td>German (Language)</td>
<td>GERM 1500/2000 (6)</td>
</tr>
<tr>
<td>History (European)</td>
<td>HIST 1000 (3)</td>
</tr>
<tr>
<td>History (United States)</td>
<td>HIST 2600 (3)</td>
</tr>
<tr>
<td>History (World)</td>
<td>HIST 1000 (3)</td>
</tr>
<tr>
<td>Japanese (Language and Culture)</td>
<td>Under Review</td>
</tr>
<tr>
<td>Latin</td>
<td>Special Assessment</td>
</tr>
<tr>
<td>Music (Listening and Literature)</td>
<td>MUSI 1000 (3)</td>
</tr>
<tr>
<td>Music (Theory)</td>
<td>MUSI 1xxx (3)</td>
</tr>
<tr>
<td>Physics B</td>
<td>PHYS 1050 (3)</td>
</tr>
<tr>
<td>Physics C (Electricity and Magnetism)</td>
<td>PHYS 2000 (3)</td>
</tr>
<tr>
<td>Physics C (Mechanics)</td>
<td>PHYS 1000 (3)</td>
</tr>
<tr>
<td>Physics C (Mechanics/Electricity and Magnetism)</td>
<td>PHYS 1000/2000 (6)</td>
</tr>
<tr>
<td>Political Science</td>
<td>POLI 1000 (3)</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSYC 1000 (3)</td>
</tr>
<tr>
<td>Spanish (Language)</td>
<td>SPAN 1500/2000 (6)</td>
</tr>
</tbody>
</table>
| Spanish (Literature)                          | SPAN 2300/2xxx (6)             

1 This course fulfills the requirement of the English 1900 prerequisite. Students receiving this transfer may not subsequently take English 1900 for credit.

2 These courses will not count toward Music requirements for Music majors.

### International Baccalaureate Program

<table>
<thead>
<tr>
<th>IB Course</th>
<th>Min. Grade</th>
<th>U of L Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art/Design, Higher Level</td>
<td>5</td>
<td>ART 2032/2xxx (6)</td>
</tr>
<tr>
<td>Biology, Higher Level</td>
<td>5</td>
<td>BIO L 1010 (3)</td>
</tr>
<tr>
<td>Chemistry, Higher Level</td>
<td>5</td>
<td>CHEM 1000/2000 (6)</td>
</tr>
<tr>
<td>Chemistry, Standard Level</td>
<td>7</td>
<td>CHEM 1000 (3)</td>
</tr>
<tr>
<td>Computer Science, Higher Level</td>
<td>5</td>
<td>CPSC 1620 (3)</td>
</tr>
<tr>
<td>Economics, Higher Level</td>
<td>5</td>
<td>ECON 1010/1012 (6)</td>
</tr>
<tr>
<td>Economics, Standard Level</td>
<td>5</td>
<td>ECON 1010 (3)</td>
</tr>
<tr>
<td>French A, Higher Level</td>
<td>5</td>
<td>FREN 1xxx (3)</td>
</tr>
<tr>
<td>French B, Higher Level</td>
<td>5</td>
<td>FREN 2000/2300 (6)</td>
</tr>
<tr>
<td>German A, Higher or Standard Level</td>
<td>5</td>
<td>GERM 2000/2300 (6)</td>
</tr>
<tr>
<td>Greek, Higher Level</td>
<td>5</td>
<td>GERM 1500/2000 (6)</td>
</tr>
<tr>
<td>History, Higher Level</td>
<td>5</td>
<td>HIST 1000 (3)</td>
</tr>
<tr>
<td>History Africa, Higher Level</td>
<td>5</td>
<td>HIST 1xxx (3)</td>
</tr>
<tr>
<td>History Europe/Middle East, Higher Level</td>
<td>5</td>
<td>HIST 1xxx (3)</td>
</tr>
<tr>
<td>Information Technology in a Global Society, Higher Level</td>
<td>5</td>
<td>CPSC 1xxx (3)</td>
</tr>
<tr>
<td>Latin, Higher or Standard Level</td>
<td>-</td>
<td>Special Assessment</td>
</tr>
<tr>
<td>Mathematics, Higher Level</td>
<td>5</td>
<td>MATH 1560 (3)</td>
</tr>
<tr>
<td>Math/Further Maths, Higher Level</td>
<td>5</td>
<td>MATH 1560 (3)</td>
</tr>
<tr>
<td>Math/Further Maths, Higher Level</td>
<td>6</td>
<td>MATH 1560/2560 (6)</td>
</tr>
<tr>
<td>Music, Higher Level</td>
<td>5</td>
<td>MUSI 2xxx (6)</td>
</tr>
<tr>
<td>Music A: Literature, Higher or Standard Level</td>
<td>-</td>
<td>Under Review</td>
</tr>
<tr>
<td>Spanish A: Language and Literature, Higher or Standard Level</td>
<td>-</td>
<td>Under Review</td>
</tr>
<tr>
<td>Spanish A: Language and Literature, Higher or Standard Level</td>
<td>-</td>
<td>Under Review</td>
</tr>
<tr>
<td>Spanish B, Higher Level</td>
<td>5</td>
<td>SPAN 1500/2000 (6)</td>
</tr>
<tr>
<td>Spanish B, Standard Level</td>
<td>5</td>
<td>SPAN 2000/3001 (6)</td>
</tr>
<tr>
<td>Spanish AB Initio, Standard Level</td>
<td>-</td>
<td>Under Review</td>
</tr>
<tr>
<td>Theatre, Higher Level</td>
<td>5</td>
<td>DRAM 1xxx (3)</td>
</tr>
<tr>
<td>Visual Arts, Higher Level</td>
<td>5</td>
<td>ART 2031/2032 (6)</td>
</tr>
</tbody>
</table>

1 This course serves as English 1900 for prerequisite purposes for higher English courses.

2 Not a prerequisite for higher level Computer Science courses.

3 Two unspecified Music credits may be applied to specific Music requirements after interview and assessment by the Department of Music.
7. Home School

Home School applicants who present recognized secondary credentials, or by some other means satisfy the requirements of a University admission route, will be considered for admission. Regardless of their citizenship or residency, Home School applicants will be considered according to the curriculum they followed.

For example:

a. A high school applicant who studied Alberta curriculum is expected to meet the requirements of an Alberta high school applicant (see Section 3.a.1., p. 28).

b. The applicant should challenge the departmental examinations in courses where such examinations exist to provide grades in the subjects challenged. By this means, an applicant will be considered for admission who presents final grades in five distinct subjects (see Section 3.a.1., p. 28).

c. A high school applicant from British Columbia should challenge the provincial examinations in courses where such examinations exist to provide grades in the subjects challenged. An applicant will be considered for admission who presents final grades in five distinct subjects (see Canadian High School Requirements table, p. 28).

d. An applicant who presents both a high school diploma and appropriate, satisfactory standardized test scores, either ACT, or both SAT Reasoning and SAT Subject scores will be considered for General Admission (see Section 3.e., p. 37).

b. Transfer Student Admission Route

1. New Transfer (transfer courses)

Applicants who have completed three or more transferable semester courses at one or more post-secondary institutions will be considered as New Transfer applicants.

To qualify for General Admission, New Transfer applicants must have an admission average of at least 2.00 on the U of L 4.00 GPA scale, calculated on all transferable courses.

Admission requirements vary depending on the number of transferable, post-secondary courses completed as indicated below:

- Admission GPA of at least 2.00 on the U of L 4.00 GPA scale, calculated on all completed, transferable, post-secondary courses.
- High school credentials are not required.

Upon admission, students are assigned transfer credit on a course-by-course basis for eligible post-secondary work. Transfer of credit serves to reduce the number of courses which must be completed at the University of Lethbridge in order to complete a program of studies. For additional information, see Section 7 - Transfer and Evaluation of Credit (p. 43).

Applicants to programs leading to any Combined Degrees may be admitted directly to these programs, or may need to seek admission to programs in the Faculty of Arts and Science (for Combined Degrees programs including the B.A. or B.Sc.), the Faculty of Fine Arts (for Combined Degrees programs including the B.F.A. or B.Mus.), or the Faculty of Management (for Combined Degrees programs with B.Mgt.) in order to complete admission requirements.

Admission priority of New Transfer students:

All transferable post-secondary work completed by New Transfer applicants will be used in determining admission priority.

The admission average for New Transfer applicants presenting five or more transferable courses is calculated on all completed, transferable, post-secondary courses. For New Transfer applicants presenting only three to five courses, the admission average is a weighted average of the high school admission average and the post-secondary admission average.

Subject to individual Faculty policies, admission priority is assigned to New Transfer applicants on the basis of grade point average on all transferable courses.

The University may offer admission to highly qualified transfer students prior to the application deadline. Applicants are encouraged to apply well ahead of the deadline. For detailed information, students should contact the Admissions Office (SU 140; tel. 403-320-5700).

Time limits and residence requirements apply to transfer students; see table in Part 4 - Academic Regulations, Section 2.g. (p. 83).
Any student encountering difficulties with transfer of credit to the University is encouraged to contact the Manager of Admissions for assistance and further information (tel. 403-382-7134 or fax 403-329-5159).

For Transfer Applicant Program Availability and Required Qualifications, see page 38.

2. College Diploma

Applicants who hold two- or three-year college diplomas from recognized institutions will be considered for admission to the appropriate post-diploma program.

For College Diploma Applicant Program Availability and Required Qualifications, see page 39.

A diploma holder seeking admission to a program other than the appropriate post-diploma program will also be considered for admission:

a. For admission purposes only, holders of two- or three-year college diplomas of sufficient academic merit from recognized post-secondary institutions, completed with cumulative program GPAs of 2.00 or higher on the U of L 4.00 GPA scale, shall be considered eligible for admission as New Transfer students, in the absence of contradictory evidence.

b. In all such cases the diploma program in question must have sufficient academic merit. Faculty program residency and time limits shall apply. Final determination of sufficient academic merit rests with the Faculty of Arts and Science, the Faculty of Fine Arts, the Faculty of Health Sciences, and the Faculty of Management, as appropriate.

3. College Certificate

Studies at recognized post-secondary institutions leading to Certificate credentials will be evaluated for transfer credit on a course-by-course basis, in accordance with approved transfer credit procedures.

4. Applied and Technology Degrees

Applicants presenting Applied or Technology Degrees from recognized colleges or technical institutes in Canada with grade point averages of 2.00 or higher on the U of L 4.00 GPA scale are guaranteed admission to first degree, undergraduate non-quota programs. These applicants will be considered for admission to quota programs according to their qualifications as transfer students.

Transfer credit awards will be according to regular University procedures, and subject to University policies including those pertaining to residency, major and time limits.

Applied and Technology Degrees are not normally considered to be a basis of admission for second degree or graduate studies programs.

5. Previous Degree

An approved degree is an academic baccalaureate degree composed of 30 or more course equivalents from a recognized Canadian or international institution. Applicants presenting approved degrees may be offered admission to the University to pursue a second degree. Some courses taken for the previous degree may be used to satisfy specific requirements for the second degree, depending on the applicability of the courses to the curriculum and the standard of performance achieved.

Previous credentials and courses completed as part of the credential are subject to the time limits of the appropriate Faculty. Please see the Previous Degree section for the appropriate Faculty and the table in Part 4 - Academic Regulations, Section 2.g. (p. 83), for more information.

In order to register in courses as an admitted student, a student who has graduated from a University of Lethbridge program must successfully apply for admission to another program. Otherwise, such students must register using the Open Studies student route (see Part 2 - Registration, Section 3.f., p. 52).

Students are not eligible to pursue a second degree which is similar to one already completed at a recognized institution. Generally, degrees with identical or closely related majors are considered to be similar. The decision of the appropriate Faculty will be final in these matters.

International applicants presenting approved degrees and seeking admission to similar degree programs offered by the Faculty of Arts and Science, the Faculty of Fine Arts, the Faculty of Health Sciences, or the Faculty of Management will be considered with the prior approval of the appropriate Dean. The decision of the Faculty will be final in these matters.

Upon admission, students are strongly advised to consult with an Academic Advisor in the appropriate Faculty to determine the course requirements of their second degree program.

c. Adult Student (Mature) Admission Route

Applicants who are 21 years of age or older by the first day of classes in the semester of intended admission and who do not meet current admission requirements will be considered as follows:

1. Qualified Adult High School Admission

This applies to applicants 21 years of age or older who have completed high school requirements (see Canadian High School Admission Requirements table, p. 28), with an admission average of at least 60 percent but less than the prevailing admission cut-off (currently 65 percent).

2. Non-Traditional Adult Admission

Applicants 21 years of age and older whose qualifications fall short of the University's minimum requirements may be considered under the Non-Matriculated Adult Admission policy (see below). This policy applies to applicants:

a. who have completed a high school diploma, but have not completed the courses required for University admission or have not achieved an admission average of 60 percent; or,

b. who have not completed high school.

The number of seats available for Non-Traditional Adult Admission will be limited (as determined each semester). Typically the number of seats will not be more than ten percent of the total admissions for high school applicants in the given fall or spring
semester. The seats are distributed on a first-come, first-served basis to successful applicants. 

Non-Matriculated Adult Admission 

The Non-Matriculated Adult admission route is available to Canadian and Permanent Resident non-matriculated applicants 21 years of age or older whose credentials do not satisfy the basic admission criteria of any other admission route. The intent of the Non-Matriculated Adult admission route is to provide a limited number of positions for applicants deemed by Admissions to have potential for success at the post-secondary level which is at least equal to that of applicants meeting the prevailing admission criteria for high school applicants. In making this determination, Admissions will consider any or all of the following:

- Transcripts of all high school and post-secondary experience of the applicant;
- Life experiences since leaving normal secondary attendance;
- Standardized test scores - any of SAT, ACT, CPT, CAT Level 19 or CAAT Level D.

The Non-Matriculated Adult applicant is required to provide, in addition to the regular application for undergraduate admission and associated transcripts, the following:

a. A Letter of Intent from the applicant to the Admissions Office, which shall include a statement on the applicant’s potential for success in university studies, how the applicant’s experiences since secondary school have contributed to this potential, the applicant’s goals for the future and why studies at the University will help the applicant to realize these goals.

b. A résumé, providing a summary of all educational, employment and volunteer experience.

The Admissions Office may, at their discretion, require an interview. Admissions will consider whether the applicant has acquired, through a combination of academic and life experience, the reading, writing, organizational and other skills necessary for success in the intended program of study. The decision of Admissions may be appealed in writing to the Manager of Admissions.

Persons who have unsatisfactory post-secondary academic records (i.e., a GPA of less than 2.00) will not be considered for Non-Matriculated Adult admission.

Programs available: Adult applicants will be considered for admission to first-year programs in the Faculty of Arts and Science, the Faculty of Fine Arts, the Faculty of Health Sciences and the Faculty of Management.

d. Visiting Student and Exchange Student Admission Route 

1. Visiting students and Exchange students from Other Universities

Applicants currently enrolled in a degree program at another accredited degree-granting institution, and who wish to enrol in courses at the University, must complete an Application for Admission by the appropriate deadline and have their home institution forward a ‘letter of permission’ directly to the Admissions Office. This letter should specify courses which the student may take at the University of Lethbridge.

Visiting students and Exchange students should note that registration in specific courses is not guaranteed.

English Language Proficiency requirements do not apply to Visiting students or Exchange students. However, Visiting students and Exchange students are subject to all other regulations of the University of Lethbridge and of the Faculty in which they are registered.

Visiting students must apply for admission on a semester-by-semester basis.

2. University of Lethbridge Students Studying Elsewhere

As it may suit their program, and within the residence requirement of the Faculty in which they are enrolled, continuing students in good standing at the University of Lethbridge may be authorized to take courses at another post-secondary institution, if their registration as a Visiting student or Exchange student is acceptable to that institution or if the University has an approved exchange agreement with that institution.

No transfer credit will be granted for courses taken elsewhere, unless Visiting student or Exchange student status is granted in advance; Visiting student and Exchange student status both require written permission from the Dean or Dean’s designate.

3. For some University of Lethbridge programs, students are required to take courses at another institution under Visiting or Exchange student authorization. Visiting or Exchange student status will be granted to these students. Such courses taken under Visiting or Exchange student authorization will be counted as University of Lethbridge courses toward meeting the minimum residence requirement.

4. University of Lethbridge students granted Visiting student or Exchange student status are registered in placeholder courses while studying elsewhere. Transfer credit will be granted for courses completed by authorized Visiting students. Authorized Exchange students will receive Pass/Fail grades for courses completed during the exchange.

It is the responsibility of the student to ensure that an official transcript of grades earned as a Visiting student or Exchange student at another institution is sent to the Registrar’s Office at the University of Lethbridge.

Further information on registration procedures for Visiting and Exchange students may be found in Part 2 - Registration, Section 2.d. Visiting and Exchange Students (p. 52).

e. Standardized Test Admission Route

Applicants to first-year Faculty of Arts and Science or Faculty of Fine Arts programs will be considered who present acceptable ACT (American College Testing Program) or SAT (Scholastic Achievement Test) scores. In the case of SAT tests, the applicant must present...
Transfer Applicants - Undergraduate Program Availability and Required Qualifications

See Part 1 - Admission - Section 3.b.1. (p. 35) if presenting fewer than eight transferable courses.

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Programs Available</th>
<th>Required Admission GPA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Science</td>
<td>Four-year degree programs: Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.) and Bachelor of Arts and Science (B.A.Sc.).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Four-year Bachelor of Science (Environmental Science).</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>'Pre-programs' to Education (see below).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Five-year Combined Degrees programs: B.A./B.Mgt. and B.Sc./B.Mgt.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, Section 8.a. (p. 264) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>Direct admission to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. - Art, Dramatic Arts, or New Media/B.Ed., B.Mgt./B.Ed., B.Mus./B.Ed., B.Sc./B.Ed.</td>
<td>2.50 minimum Competitive: higher than 2.50 may be required</td>
</tr>
<tr>
<td></td>
<td>Applicants must have at least 20 courses (60.0 credit hours) completed including Education 2500 or equivalent.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees (p. 229) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'Pre-programs' to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. - Art, Dramatic Arts, or New Media/B.Ed., B.Mgt./B.Ed., B.Mus./B.Ed., B.Sc./B.Ed.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Admission to the Combined Degrees programs typically occurs after two or three years of university-level study, and is competitive.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.A. and B.Sc. applicants, see Arts and Science above.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.F.A. and B.Mus. applicants, see Fine Arts below.</td>
<td></td>
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<tr>
<td></td>
<td>B.Mgt. applicants, see Management below.</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Four-year degree programs: B.F.A. - Art, Dramatic Arts, Multidisciplinary, Native American Art, or New Media and B.Mus.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>See Part 9 - Fine Arts, Section 3. Admission (p. 169) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 9 - Fine Arts, Section 8.e.3. (p. 187) for Studio Audition procedures for the B.Mus. program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Direct admission to five-year Combined Degrees programs: B.F.A. - Art, Dramatic Arts, or New Media/B.Ed., and B.Mus./B.Ed.</td>
<td>2.50 minimum Competitive: higher than 2.50 may be required</td>
</tr>
<tr>
<td></td>
<td>Applicants must have at least 20 courses completed including Education 2500 or equivalent.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Faculty of Fine Arts requires a portfolio for B.F.A. - Art or B.F.A. - New Media applicants.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 9 - Fine Arts, Section 8.e.3. (p. 187) for Studio Audition procedures for the B.Mus. program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees (p. 229) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'Pre-programs' to five-year Combined Degrees programs: B.F.A. - Art, Dramatic Arts, or New Media/B.Ed., and B.Mus./B.Ed.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>Admission to the Combined Degrees programs typically occurs after three years of university-level study, and is competitive.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Faculty of Fine Arts requires a portfolio for B.F.A. - Art or B.F.A. - New Media applicants.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 9 - Fine Arts, Section 8.e.3. (p. 187) for Studio Audition procedures for the B.Mus. program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Five-year Combined Degrees program: B.F.A. - New Media/B.Mgt.</td>
<td>Competitive Portfolio/Questionnaire</td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, Section 11 (p. 287) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td>Health Sciences</td>
<td>Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Aboriginal Health major</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>See Part 10 - Health Sciences, Section 3.c. (p. 193) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Addictions Counselling major.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>See Part 10 - Health Sciences, Section 3.c.2. (p. 194) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Public Health major.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>See Part 10 - Health Sciences, Section 3.c.3. (p. 195) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Four-year degree program: Bachelor of Nursing (B.N.). First two years offered in collaboration with Lethbridge College.</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>See Part 10 - Health Sciences, Section 3.a. (p. 192) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Five-year Combined Degrees program: B.H.Sc./B.Mgt.</td>
<td>Competitive (see Mgt below)</td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, Section 12 (p. 289) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>Four-year degree program: Bachelor of Management (B.Mgt.).</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>See Part 11 - Management, Section 4.a. (p. 206) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, (p. 229) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.F.A. - New Media applicants, see Fine Arts above. B.H.Sc. applicants, see Health Sciences above.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, (p. 262) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Direct admission to five-year Combined Degrees programs: B.Mgt./B.Ed.</td>
<td>2.50 minimum Competitive: higher than 2.50 may be required</td>
</tr>
<tr>
<td></td>
<td>Admission to the B.Mgt./B.Ed. typically occurs after two years of university-level study and is competitive.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, (p. 262) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>'Pre-programs' to five-year Combined Degrees programs: B.Mgt./B.Ed.</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>Admission to the B.Mgt./B.Ed. typically occurs after two years of university-level study, and is competitive.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Part 13 - Combined Degrees, (p. 262) for additional admission requirements.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management Certificate (10-course program) Four admission routes available (see Part 11 - Faculty of Management, Section 4.f., p. 207 for additional admission requirements.)</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>Professional Diploma in Accounting (PDA) Admission requirements to the PDA consist of an undergraduate university degree.</td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>See Part 11 - Management, Section 4.g. (p. 207) for additional admission requirements.</td>
<td></td>
</tr>
</tbody>
</table>
**College Diploma Applicants - Undergraduate Post-Diploma Program Availability and Required Qualifications**

For detailed information on approved college diplomas, contact Admissions or visit our website: www.uleth.ca/postdiploma

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Post-Diploma Programs Available</th>
<th>Required Admission GPA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Science</td>
<td>Post-Diploma Bachelor of Arts (B.A. - Agricultural Studies) See Part 7 - Arts and Science, Section 8.a. (p. 142)</td>
<td>2.50, or 2.00-2.49, subject to Dean's permission</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma Bachelor of Science (B.Sc. - Agricultural Studies) See Part 7 - Arts and Science, Section 9.a. (p. 143)</td>
<td>2.50, or 2.00-2.49, subject to Dean's permission</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma Bachelor of Science (B.Sc. - Computer Science) See Part 7 - Arts and Science, Section 10.a. (p. 144)</td>
<td>2.50, or 2.00-2.49, subject to Dean's permission</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma Bachelor of Science (B.Sc. - Environmental Science) See Part 7 - Arts and Science, Section 11.a. (p. 145)</td>
<td>2.75, or 2.00-2.74, subject to Dean's permission and related employment experience</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma Bachelor of Science (B.Sc. - Geography, with a Concentration in Geographical Information Science) See Part 7 - Arts and Science, Section 12.a. (p. 145)</td>
<td>2.50</td>
</tr>
<tr>
<td>Education</td>
<td>See Fine Arts and Management (below)</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Post-Diploma (after a Two- or Three-Year Diploma) B.F.A. - Art or Dramatic Arts and B.Mus. See Part 9 - Fine Arts, Section 3.g. (p. 168)</td>
<td>2.50 Audition/Portfolio</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma (after a Two- or Three-Year Diploma) B.F.A. - Multidisciplinary See Part 9 - Fine Arts, Section 3.h. (p. 169)</td>
<td>2.50</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. and B.Mus./B.Ed. See Part 13 - Combined Degrees, Section 9.a. (p. 281)</td>
<td>Competitive, 2.50 minimum Audition/Portfolio</td>
</tr>
<tr>
<td></td>
<td>Pre-Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. and B.Mus./B.Ed. See Part 13 - Combined Degrees, Section 9.a. (p. 281)</td>
<td>2.50 Audition/Portfolio</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>Post-Diploma Bachelor of Health Sciences - Addictions Counselling major (B.H.Sc.) See Part 10 - Health Sciences, Section 4.d. (p. 195)</td>
<td>3.00</td>
</tr>
<tr>
<td>Management</td>
<td>Post-Diploma Bachelor of Management (B.Mgt.) (20 and 25 course) See Part 11 - Management, Section 4.b. (p. 207) and Section 4.c. (p. 207)</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>Post-Diploma B.Mgt./B.Ed. See Part 13 - Combined Degrees, Section 10.a. (p. 284)</td>
<td>Competitive</td>
</tr>
<tr>
<td></td>
<td>Pre-Post-Diploma B.Mgt./B.Ed. See Part 13 - Combined Degrees, Section 10.a. (p. 284)</td>
<td>Competitive</td>
</tr>
</tbody>
</table>

* Based on cumulative GPA, on a 4.00 scale, in the College Diploma.
f. **Alberta Colleges or Institutes of Technology**

The University will consider applicants who have completed one year or more of studies at a recognized Alberta College or Institute of Technology and are recommended by that institution for University admission.

For admission requirements, the University accepts courses offered by colleges which are deemed to be equivalent to Alberta high school 30-level courses (see Section 3.a.1., p. 28).

g. **Returning After an Absence from the University of Lethbridge**

1. **Students Returning After an Absence**

   This policy applies to applicants who meet all of the following conditions:
   
   - were previously admitted to a University of Lethbridge program,
   - completed one or more semesters at the University,
   - subsequently interrupted their continuing student status prior to the completion of the program (whether the interruption was voluntary or involuntary on the part of the student), and
   - who HAVE NOT completed university-level studies at another institution in the interim.

   This policy does not apply to any persons who left University of Lethbridge studies according to the terms of a Visiting or Exchange leave authorized by the appropriate Dean.

   All students returning after an absence of one or more fall or spring semesters must apply for admission according to regular application procedures and deadlines (see Section b. Transfer Student Admission Route, p. 35).

   Admission to a particular program or major shall be subject to enrolment management, Faculty and Admission policies (refer to the Admission requirements provided in the applicable Faculty part of the Calendar).

   Subject to the above, Returning After an Absence applicants are eligible for General Admission provided all of the following conditions apply:
   
   - No transferable courses were completed during the absence at another institution (see Section b. Transfer Student Admission Route, p. 35 if you completed transferable courses at another institution during the absence);
   - The student is applying for admission to a non-quota program or major (refer to the Admission requirements provided in the applicable Faculty part of the Calendar); and,
   - The applicant was in good academic standing upon last leaving the University (see Part 4- Academic Probation).

   Applicants who fail to meet all of the above conditions will be considered for admission according to current policies for Returning Transfer students (see Section 2. below).

   Students applying for readmission to the Faculty of Management should also see Part 11 - Management, Section 4.j. (p. 208).

2. **Returning Transfer Applicants**

   This policy applies to applicants who meet all of the following conditions:
   
   - were previously admitted to a University of Lethbridge program,
   - completed one or more semesters at the University,
   - subsequently interrupted their continuing student status prior to the completion of the program (whether the interruption was voluntary or involuntary on the part of the student), and
   - who HAVE completed university-level studies at another institution during the absence.

   This policy does not apply to any persons who left University of Lethbridge studies according to the terms of a Visiting or Exchange leave authorized by the appropriate Dean.

   All students returning after an absence of one or more fall or spring semesters must apply for admission according to regular application procedures and deadlines (see Section b. Transfer Student Admission Route, p. 35).

   Admission to a particular program or major shall be subject to enrolment management, Faculty and Admission policies (refer to the Admission requirements provided in the applicable Faculty part of the Calendar).

   Students applying for readmission to the Faculty of Management should also see Part 11 - Management, Section 4.j. (p. 208).

   **Academic Probation**

   Normally, if readmitted, an applicant who was on Academic Probation upon leaving the University will be readmitted on condition of Academic Probation.

   **Required to Withdraw**

   Applicants Required to Withdraw (or its equivalent) from this or any other post-secondary institution will not be considered for admission to the University of Lethbridge until at least one full year has elapsed.

   Applicants who were Required to Withdraw prior to application must complete no less than eight transferable courses with an overall GPA of 2.00 or higher on the U of L 4.00 GPA scale to be eligible for General Admission. Any applicant Required to Withdraw from a recognized post-secondary program and subsequently admitted to the University of Lethbridge will be admitted on condition of Academic Probation.

   Normally, applicants who have been Required to Withdraw from this or any other post-secondary institution more than once are not eligible for
admission and shall be considered for admission only on the recommendation of the appropriate Dean. Policies on admission after required withdrawal are also included in Section 8.b. (p. 47), Part 7 - Arts and Science (p. 99), Part 8 - Education (p. 158), Part 9 - Fine Arts (p. 172), Part 10 - Health Sciences (p. 197), and Part 11 - Management (p. 210). In particular, Tabula Rasa is available only in the Faculty of Arts and Science (see Section 3.e., p. 99), Faculty of Fine Arts (see Section 4.e.2, p. 172), and the Faculty of Health Sciences (see Section 6.c, p. 197).

h. Graduated Students
A student who has graduated from a program at the University must successfully apply for admission to another program in order to pursue studies as an admitted student. Otherwise, such students must register using the Open Studies student route (see Part 2 - Registration, Section 3.f., p. 52).

i. Applicants With Unsatisfactory Post-Secondary Records
1. Required to Withdraw
Persons who have been Required to Withdraw from the University of Lethbridge or another post-secondary institution will not be considered for admission until one year has elapsed from the end of the studies from which they were required to withdraw. If, without satisfactory intervening studies, such a person is subsequently offered admission to the University it will be on the condition of Academic Probation. Students Required to Withdraw from the University of Lethbridge should also refer to Section 3.g. Returning After an Absence from the University of Lethbridge (p. 40) and Section 8.b. Procedures for Readmission (p. 47).

2. Suspension
A person will not be considered for admission if, under an order of suspension from the University of Lethbridge. A person under an order of suspension from another post-secondary institution will not be considered for admission without the written approval of the Provost & Vice-President (Academic).

3. Expulsion
A person who has been expelled from the University of Lethbridge or any other post-secondary institution will not be considered for admission without the written approval of the Provost & Vice-President (Academic).

4. CONTINUING STUDENTS CHANGING PROGRAMS
A University of Lethbridge student who has continuing student status and who wishes to change the academic program to one involving another Faculty must apply for the new program. Continuing student applicants changing to quota programs will be considered according to the same admission criteria as new transfer applicants.

To be considered, students currently enrolled in programs at the University must obtain, complete and submit to the Admissions Office an Application for Admission to Specialized Programs form. This form is available at the Registrar's Office.

5. INTERNATIONAL STUDENTS
a. Academic Qualifications
Applicants from other countries must present qualifications comparable to those of Canadian applicants:
- Completed, appropriate secondary qualifications from other countries will be considered for High School admission.
- Studies completed at recognized universities and colleges will be considered for New Transfer, College Diploma or Previous Degree admission, as appropriate.

Details on requirements for specific countries are available from Admissions, and at our website www.uleth.ca/ross/admission-information/intl/intreq. For International High School Requirements, see page 44.

b. English Language Requirements
The University of Lethbridge has English language requirements for all applicants. These requirements are not affected by citizenship but by first language, educational experience and writing proficiency. They are explained in Section 6 (p. 42).

c. Transfer Credit and Admission
Transcripts presented by an International Student will first be considered to determine the admissibility of the student. Subsequent to admission, completed courses will be considered for transfer credit. The number of courses considered to be transferable in the context of the admission decision may or may not coincide with the number of courses ultimately awarded transfer credit.

It will be the responsibility of International Students to provide English translations of any transcript materials not in English or French, which are deemed to be official and otherwise acceptable by Admissions.

d. Conditional English Proficiency Admission
Conditional English Proficiency Admission may be offered to applicants:
1. whose first language is not English, and;
2. whose academic qualifications satisfy the requirements of the program they seek, and;
3. who have not met the University's English Language Proficiency (ELP) requirement (see Section 6, p. 42).

An applicant who is offered Conditional English Proficiency Admission is admitted to an academic program, conditional upon meeting the University's ELP requirement. One way to satisfy the University's ELP requirement is successful completion of the Advanced Level of the University's English for Academic Purposes (EAP) program.

Applicants admitted via the Conditional English Proficiency Admission route who wish to achieve this by successfully completing the University's English for Academic Purposes (EAP) program must apply to the EAP program as directed in the offer of admission letter. Students admitted to the EAP program will be tested and placed in the appropriate level of EAP upon arrival at the University.

Upon satisfying ELP (see Section 6.a. below), students admitted via the Conditional English Proficiency
Admission route may commence their full academic programs as regular students. EAP students are considered to be full-time students while continuously enrolled in EAP classes.

Applicants admitted to the EAP program under the Conditional English Proficiency admission route must:
- Successfully complete the Advanced Level of EAP within two years, and
- Maintain continuous registration in EAP during fall, spring and summer semesters until the ELP requirement is satisfied.

Students who fail to meet these conditions will be required to reapply for admission the University. Students who have passed three of the four components of Advanced EAP may be allowed to register in one or two academic courses (3.0 to 6.0 credit hours) while completing the remaining EAP component. Course registration will be subject to the approval of the International Student Advisor in the International Centre for Students, in close consultation with appropriate academic advisors. Students who do not successfully complete the remaining EAP component will not be permitted to continue in their academic program until the ELP requirement has been satisfied.

6. ENGLISH LANGUAGE AND WRITING REQUIREMENTS
The University of Lethbridge administers three levels of English language requirements for applicants to undergraduate programs:

- **English Language Proficiency (ELP)** - admission requirement for all applicants to undergraduate programs whose first language is not English.
- **Spoken English Language Proficiency (SELP)** - admission requirement for all applicants, whose first language is not English, to the Bachelor of Nursing and Bachelor of Health Sciences (Public Health) programs (see Part 10, Section 3.g., p. 196).
- **Writing Proficiency Requirement (WPR)** - admission requirement for all applicants to programs in the Faculty of Education (see Part 8 - Education, p. 154).

a. English Language Proficiency Requirement
The English Language Proficiency (ELP) requirement applies to all applicants to undergraduate programs whose first language is not English, regardless of citizenship or country of origin.

**Note:** The following policies do not apply to Audit, Visiting or Exchange students. Applicants to the Bachelor of Nursing and Bachelor of Health Sciences (Public Health) programs (see p. 196) must also meet a Spoken English Proficiency requirement.

1. Proof of English Language Proficiency must be provided prior to admission. Acceptable evidence of ELP may be any one of:
   a. Successful completion of the Advanced Level, English for Academic Purposes (EAP) program at the University of Lethbridge (see Part 6, Section 3.b.1., p. 94).
   b. Most recent official TOEFL (Test of English as a Foreign Language) score (U of L institutional code is 0855), taken within the last two years. Any one of:
      - a score of at least 550 on the paper-based test and a TWE (Test of Written English) score of at least 4.0 or
      - a score of at least 80 on the iBT TOEFL, with scores of at least 16 on each of Listening, Reading, and Speaking and a score of at least 18 on Writing.
      Website: www.toefl.org
   c. Most recent official Academic IELTS (International English Language Testing System) score, taken within the last two years, with:
      - an overall score of at least 6.0, and
      - at least 6.0 in each band.
      Website: www.ielts.org
   d. Most recent official Academic PTE (Pearson Test of English) score, taken within the last two years, with an overall score of at least 54.
   e. Most recent official CAEL (Canadian Academic English Language) Assessment score of 60 or higher, taken within the last two years, with scores of at least 50 on each of Listening, Reading, and Speaking and a score of at least 60 on the Writing band.
      Website: www.cael.ca
   f. Most recent CAE (Certificate in Advanced English) score of at least ‘C’.
      Website: www.cambridgeenglish.org/exams-and-qualifications/advanced
   g. Most recent CPE (Certificate of Proficiency in English) score of at least ‘C’.
      Website: www.cambridgeenglish.org/exams-and-qualifications/proficiency
   h. Most recent MELAB (Michigan English Language Assessment Battery) score of at least 80 with no component less than 76, and including the Speaking test.
      Website: www.cambridgetmichigan.org/melab
   i. A grade of 75 percent or higher in the Alberta English Language Arts 30-1 diploma examination.
   j. A final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province in Canada.
   k. A passing grade in an English for Academic Purposes (EAP) program which is accepted as a means of satisfying ELP by another recognized Canadian university, and whose ELP requirement is at least as demanding as is that of the University of Lethbridge.
   l. A passing grade in an EAP program approved by the Manager of Admissions.

2. In the absence of contradictory evidence, the English Language Proficiency requirement may be waived for applicants who have completed at least three consecutive years of full-time study in a recognized institution where the language of instruction is English. These studies must include satisfactory completion of English Language Arts 30-1, or its equivalent, or at least two transferable semester
courses in English. These studies must precede admission by not more than two years.

Applicants whose first language is not English may be required to provide satisfactory evidence that the language of instruction was in English; examples of acceptable evidence include an official letter from the teaching institution or statements from the institution's official Calendar/Catalogue, as well as standardized test results such as TOEFL, IELTS, etc. Applicants who are uncertain regarding the status of their qualifications with respect to this policy should contact the Admissions Office for further information.

The English Language Proficiency Requirement will be waived for applicants educated in the following countries:

- Anguilla
- Antigua
- Barbados
- Bermuda
- British Virgin Islands
- Cayman Islands
- Dominica
- Falkland Islands
- Fiji
- Ghana
- Gibraltar
- Grenada
- Guam
- Guyana
- Ireland
- Bermuda
- Barbuda
- Botswana
- Gambia
- India
- Liberia
- Namibia

A list of ELP exempt universities from the countries listed above is provided at www.uleth.ca/ross/admission-information/elp_exempt.

Waivers are not automatically granted; waivers may not be granted, or may be revoked, if contradictory evidence exists. Examples of contradictory evidence are low TOEFL scores, low grades on an English-based course, or significant communication difficulties.

Individual circumstances will be reviewed by the Manager of Admissions whose decision shall be final. Special arrangements will be made for students attending the University under an approved exchange program.

7. TRANSFER AND EVALUATION OF CREDIT - POLICIES AND PROCEDURES

Many students are eligible to have some or all previous post-secondary work transferred for credit toward completion of their University of Lethbridge program. Transfer of credit serves to reduce the number of courses which must be completed at the University of Lethbridge in order to complete a program of studies. Transfer of credit is not available to persons enrolled in classes at the University who have not been admitted to programs (i.e., transfer of credit is not available to Audit, Exchange, Open Studies or Visiting students).

a. Procedures

1. For New Transfer students, transcripts from previous post-secondary institutions will be evaluated for transfer credit in the program of consideration for admission.

2. For students returning after an absence, transcripts for work completed during the absence at post-secondary institutions will be evaluated for transfer credit in the course of consideration for readmission.

3. It is the responsibility of the applicant to provide, as support for the application for admission or readmission, full and complete information on all post-secondary attendance. Failure to do so relieves the University of any responsibility to award transfer credit and, depending on the criteria leading to an admission decision, may lead to the rescinding of admission and cancellation of registration.

4. Continuing University of Lethbridge students may take courses elsewhere under Visiting Student or Exchange student authorization. Such students must obtain prior approval in writing from the appropriate Faculty Dean or Dean's designate. Transfer credit will only be awarded when Visiting student authorization is obtained in advance of the completion of studies. Authorized Exchange students will receive Pass/Fail grades for courses completed during the exchange.

Subsequent to completing the course work at the designated institution, the student must have official transcripts forwarded from that institution to the Registrar's Office at the University of Lethbridge, that they may be evaluated for transfer credit.

5. Simultaneous enrolment

A course shall be counted only once to satisfy the requirements of post-secondary qualifications. No student will be permitted to enrol in a University of Lethbridge degree or diploma program, while simultaneously working toward a degree or diploma at another institution.

- Bangladesh
- Barbuda
- Botswana
- Gambia
- India
- Liberia
- Namibia

A list of ELP exempt universities from the countries listed above is provided at www.uleth.ca/ross/admission-information/elp_exempt.
b. Transfer and Evaluation Policies

1. The Admissions Office has final authority, subject to appeal, in the evaluation and assignment of transfer credit.

To facilitate the negotiation of transfer arrangements among post-secondary institutions within the Province of Alberta, the procedures established by the Alberta Council on Admissions and Transfer (outlined in the Alberta Transfer Guide) shall be followed.

Applications for transfer credit evaluations and transfer credit appeals are initiated with Admissions.

Admissions is charged with maintaining records of all evaluations at the University, which shall serve as the standards for future evaluations.

2. Transfer credit may be awarded only for courses which apply to the student's University of Lethbridge program.

Transfer credit awarded on admission to one program must be re-evaluated should the student change to a different program. It is the student's responsibility to request this re-evaluation.

3. Transfer credit may be awarded only for courses which were completed and assigned a passing grade. Courses transferred for credit are subject to Faculty policies regarding minimum grade requirements. When a transfer student presents a transferable course with a grade of 'Pass' (or its equivalent) at the sending institution:
   a. The hours for the course will count toward program completion in the manner assigned by Admissions (either direct transfer, Contingent or Extra to Program); and
   b. The transfer grade will be preserved as ‘P’ as appropriate.

The student's transfer GPA and University of Lethbridge GPA will not be affected in any way. The University reserves the right to assign a numeric grade where circumstances indicate this is appropriate.

4. Transfer credit will be awarded only for studies transferring to University of Lethbridge courses numbered 1000 or higher.

5. Admissions shall develop and apply grade conversion standards, under the authority of the Admission Standards Committee.

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### International Secondary/High School Admission Requirements for the University of Lethbridge

<table>
<thead>
<tr>
<th>Country</th>
<th>Secondary/High School Requirements</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argentina</td>
<td>Bachiller/Bachillerato (de Nivel Medio o Segundario o Especializado) including English subject, with a minimum score of 7/10 (good) to 8/10 (superior)</td>
<td></td>
</tr>
<tr>
<td>Australia</td>
<td>Secondary school leaving certificate, appropriate to Territory</td>
<td></td>
</tr>
<tr>
<td>Austria</td>
<td>Secondary school leaving certificate (Reifezeugnis or Reifeprüfungszeugnis)</td>
<td></td>
</tr>
<tr>
<td>Bangladesh</td>
<td>Higher Secondary Certificate (First division)</td>
<td></td>
</tr>
<tr>
<td>Barbados</td>
<td>Caribbean Examination Council Secondary Education Certificate, plus Advanced level studies</td>
<td></td>
</tr>
<tr>
<td>Bolivia</td>
<td>Bachillerato</td>
<td></td>
</tr>
<tr>
<td>Brazil</td>
<td>One of:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Certificado de Conclusao de 2 Grau (Certificate of Completion of Degree) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Certificado de Conclusao de Ensino Medio (Certificate of Completion of Secondary Education)</td>
<td></td>
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<tr>
<td></td>
<td>Plus one of:</td>
<td></td>
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<tr>
<td></td>
<td>• Concurso Vestibular (college entrance exam) or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• ENEM (middle education national exam)</td>
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<tr>
<td></td>
<td>• First year standing at a recognized university.</td>
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</tr>
<tr>
<td>Caribbean</td>
<td>Advanced and Ordinary level General Certificate of Education Examining Board Certificates. Grades of I, II and III on general proficiency examinations administered by the Caribbean Examinations Council (CXC) are accepted as equivalent to G.C.E. Ordinary level passes.</td>
<td>British model</td>
</tr>
<tr>
<td>Colombia</td>
<td>Bachillerato with a minimum score of 7/10 (acceptable) to 8/10 (outstanding)</td>
<td></td>
</tr>
<tr>
<td>P.R. of China</td>
<td>Senior Secondary School Certificate of Graduation and an average grade of 72% or higher (where 60% is the passing grade) on 12th Grade (Year Three of Senior Secondary School) English and four of Chinese, Biology, Chemistry, another language, Geography, History, Arts, Mathematics, Physics or Physical Education with no single grade less than 60%.</td>
<td></td>
</tr>
<tr>
<td>Chile</td>
<td>Licencia de Educacion Media, including English, with a minimum score of 4/7 (average) to 5/7 (very good) and Prueba de Aptitud Academica (PAA) University Entrance Exam</td>
<td></td>
</tr>
<tr>
<td>Costa Rica</td>
<td>Bachillerato with a minimum score of 7/10 (acceptable) to 8/10 (outstanding)</td>
<td></td>
</tr>
<tr>
<td>Cyprus</td>
<td>Apolytirio Enaiou of Lykeiou / Devlet Lisel Diploma / Lise Bitirme Diplomasi, with a minimum score of 14 out of 20</td>
<td></td>
</tr>
<tr>
<td>Ecuador</td>
<td>Bachillerato; with a minimum score of 7/10 to 8/10</td>
<td></td>
</tr>
<tr>
<td>Ethiopia</td>
<td>Ethiopian School Leaving Certificate</td>
<td></td>
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<tr>
<td>France</td>
<td>Secondary Education Bacalaureate</td>
<td></td>
</tr>
<tr>
<td>Ghana</td>
<td>Senior Secondary School Certificate Examination or West African Senior School Certificate Examination</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>School leaving certificate (Zeugnis der Allgemeinen Hs.)</td>
<td></td>
</tr>
<tr>
<td>Country</td>
<td>Secondary/High School Requirements</td>
<td>Comments</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Hong Kong</td>
<td>Hong Kong Diploma of Secondary Education (HKDSE) with a minimum average of three on the five-point scale on the four core subjects plus two elective subjects and/or other languages OR Hong Kong Certificate of Education (HKCE) and the Hong Kong Advanced Level Examination (HKALE)</td>
<td>British model</td>
</tr>
<tr>
<td>India</td>
<td>Higher Secondary School Certificate or equivalent (First division). Considered equivalent: All-India Senior Secondary School Certificate; Delhi Senior Secondary School Certificate; All-India Higher Secondary Examination Part II; Indian School Certificate; Certificate of Vocational Education - Year 12; Senior Secondary Certificate; Intermediate Examination Certificate; Pre-University Examination Certificate; Pre-Degree Examination Certificate.</td>
<td></td>
</tr>
<tr>
<td>Iran</td>
<td>Peesh-daneshgahi (pre-university) Certificate of Completion with a minimum of 13 out of 20 on English Language II, three other academic courses, and a fifth course.</td>
<td></td>
</tr>
<tr>
<td>Israel</td>
<td>Matriculation Certificate (Bagrut)</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Maturita diploma (Diploma Di Esame Di Stato Conclusivo Dei Corsi Di Istruzione Secondaria Superiore)</td>
<td></td>
</tr>
<tr>
<td>Jamaica</td>
<td>See Barbados</td>
<td>British model</td>
</tr>
<tr>
<td>Japan</td>
<td>Upper secondary school leaving certificate (Kotogakko Sotsugyo Shomesho)</td>
<td></td>
</tr>
<tr>
<td>Kenya</td>
<td>Kenyan Certificate of Secondary Education</td>
<td></td>
</tr>
<tr>
<td>D.P.R. of Korea</td>
<td>Secondary school leaving certificate</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>Graduation certificate from academic high school</td>
<td></td>
</tr>
<tr>
<td>Malaysia</td>
<td>Malaysia Certificate of Education (SPM) plus studies at Malaysian Higher School Certificate (STPM) level, or Certificate of Unified Examination (MICSS) from Independent Chinese Secondary Schools</td>
<td>British model</td>
</tr>
<tr>
<td>Mexico</td>
<td>Applicants are admissible who present the Bachillerato en Ciencias or Humanidades including Year 3-4 English with a minimum of 7/10 to 8/10</td>
<td></td>
</tr>
<tr>
<td>Mongolia</td>
<td>School leaving certificate (Gerchilgee)</td>
<td></td>
</tr>
<tr>
<td>Nepal</td>
<td>Proficiency Certificate or Higher Secondary Certificate, with a minimum average of 65%</td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>Voorber.wetensch.onderwijs (VWO)</td>
<td></td>
</tr>
<tr>
<td>Nigeria</td>
<td>Senior Secondary School Certificate (SSSC) or West African School Certificate (WAEC), and Higher School Certificate or GCE - Advanced level studies</td>
<td>British model</td>
</tr>
<tr>
<td>Pakistan</td>
<td>Intermediate or Higher Secondary Certificate (First division required for either)</td>
<td></td>
</tr>
<tr>
<td>Peru</td>
<td>Certificado de Educacion Secundaria Comun Completa (Certificate of Completed General Secondary Education) plus first year standing at a recognized university.</td>
<td></td>
</tr>
<tr>
<td>Russian Federation</td>
<td>Svidetel'stvo/o Srednem O brazovani (Certificate of Secondary Education) or Attestat O Polnom Srednem O brazovani (Upper Secondary Education) including English subject, with a minimum score of 3.5/5</td>
<td></td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>General Secondary Education Certificate (Tawjiyya)</td>
<td></td>
</tr>
<tr>
<td>Singapore</td>
<td>Singapore-Cambridge GCE, Ordinary level plus Advanced level courses</td>
<td>British model</td>
</tr>
<tr>
<td>South Africa</td>
<td>Matriculation Certificate of the Joint Matriculation Board or Senior (Standard 10) Certificate Examinations which grant exemption from Matriculation Certificate Examinations</td>
<td></td>
</tr>
<tr>
<td>Sri Lanka</td>
<td>Sri Lanka General Certificate of Education ordinary and advanced levels</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>Curso de Orientación Universitario (COU)</td>
<td></td>
</tr>
<tr>
<td>Taiwan</td>
<td>Senior High School Leaving Certificate</td>
<td></td>
</tr>
<tr>
<td>Thailand</td>
<td>Higher Secondary School Certificate (Mattaayom Suksa 6)</td>
<td></td>
</tr>
<tr>
<td>Trinidad and Tobago</td>
<td>See Barbados</td>
<td>British model</td>
</tr>
<tr>
<td>Turkey</td>
<td>Devlet Lise Diplomasi/Lise Bitirme Diplomasi State or Private Secondary School Diploma including English subject, with superior grades</td>
<td></td>
</tr>
<tr>
<td>Uganda</td>
<td>Cambridge GCE or East African Certificate of Education, Ordinary, plus Advanced studies (Uganda Advanced Certificate of Education)</td>
<td>British model</td>
</tr>
<tr>
<td>Ukraine</td>
<td>Atestat pro Povnu Zagańiu Sersdnio O svitu (Certificate of Complete Secondary Education), with a minimum average of 4/5</td>
<td></td>
</tr>
<tr>
<td>United Arab Emirates</td>
<td>Secondary school leaving certificate (Shahadat Al-Yanawiya Al-Amma)</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>GCE, Ordinary level or equivalent, plus courses at the Advanced level</td>
<td>British model</td>
</tr>
<tr>
<td>United States</td>
<td>High school diploma, and either SAT or ACT test results. For SAT tests, results from both SAT Reasoning and three SAT Subject tests are required. See also Section 3.e. Standardized Test Admission Route (p. 37). Admission average based on SAT or ACT results.</td>
<td>British model</td>
</tr>
<tr>
<td>Venezuela</td>
<td>Bachillerator and first year standing at a recognized university</td>
<td></td>
</tr>
<tr>
<td>Vietnam</td>
<td>Baccalaureát II (Tu-Tai Hai), or Baccalaureát I and Advanced Certificate, or Tot N ghiem Pho Thong</td>
<td></td>
</tr>
<tr>
<td>Zimbabwe</td>
<td>Advanced and Ordinary level General Certificate of Education Examing Board Certificates</td>
<td>British model</td>
</tr>
</tbody>
</table>

For British model systems: At least five distinct courses with appropriate grade achievement, including at least three courses at the Ordinary level (or equivalent) and at least two courses at the Advanced level (or equivalent). The courses must include English, and a course will not be considered if it duplicates a course subject at the other level. All five courses are used in calculating the admission average. Students who have completed Ordinary level and subsequently completed either an Advanced International Certificate of Education (AICE) Diploma or a year of overseas College Foundation studies (including English) will be considered. Transfer credit will be considered for Advanced level courses in appropriate subjects, completed with grades of "C" or higher. Credit for up to a maximum of ten semester courses may be obtained in this manner.
6. Courses which have been awarded credit at another recognized Canadian university or at a recognized university college in Alberta or British Columbia are generally transferable for credit to the University of Lethbridge, subject to other University policies including program and major, residence requirements, time limits, and program requirements.

7. The University of Lethbridge recognizes courses completed for credit at other post-secondary institutions in accordance with the Alberta Council on College of Admissions and Transfer, the Pan-Canadian Protocol on the Transferability of University Credits, and the Lisbon Recognition Convention. The assessment of credit will take into account factors such as course level and learning outcomes. Credit is awarded subject to meeting minimum grade and program requirements.

The Province of Alberta recognizes four Comprehensive Academic and Research Institutions (CARIs) within the Campus Alberta system: the University of Lethbridge, Athabasca University, the University of Calgary, and the University of Alberta. Alberta's CARIs are committed to the advancement of Campus Alberta goals, including enhancing learner mobility within the advanced education system. To facilitate mobility, the four CARIs accept each other's credit courses for transfer, subject to meeting minimum grade and program requirements.

The University of Lethbridge Transfer Credit Equivalencies Database web page provides information about prior assessment of courses completed at other post-secondary institutions for credit at the University of Lethbridge. For additional details on post-secondary transfer within Alberta, the online Alberta Transfer Guide provides information on previously approved transferable courses and programs between many Alberta post-secondary institutions and the University of Lethbridge.

8. Once a transfer course evaluation has been approved by the University of Lethbridge and appears in the Alberta Transfer Guide, that evaluation shall serve as the authority for the course in question. A published transfer arrangement will also be honoured for students who completed the course in the year prior to its publication in the Alberta Transfer Guide. On appeal by the student and where a change will benefit the student, a Faculty may, with reasonable grounds, recommend exemption from the published arrangement. This Faculty recommendation shall not alter the published evaluation.

9. Courses taken at any accredited or recognized post-secondary institution may be awarded transfer credit depending on the nature of the institution, the nature of the courses and the program of the student presenting the courses.

10. Year of the Calendar
A student admitted or readmitted to a program offered by the University is governed by the program requirements of the Calendar in effect at the time of the most recent admission (see Section 9.g., p. 49 for details).

11. Upon admission or readmission to a program, courses taken by an Open Studies Student at the University of Lethbridge may be counted toward the student's program, subject to the appropriate rules of the Faculty regarding courses completed prior to admission and Required Withdrawal.

12. International Students - see Section 5 (p. 41).

13. The University of Lethbridge does not award transfer credit on the basis of Challenge for Credit. Instead, waiver of specific requirements leading to a certificate, diploma or degree may be granted by the Faculty (see Part 4 - Academic Regulations, Section 2.d. Waiver of Prerequisite/Corequisite, p. 71, for more information).

14. Evaluating Courses From Non-Accredited Institutions
When a course taught by an unrecognized institution is presented for transfer credit, it is evaluated by the appropriate Faculty. The recommendation serves as a standard only for students who completed the identical course experience - institution, section and time - and are pursuing the same program of studies as the student who originally presented the course for transfer credit.

In determining whether a course may be awarded Individual Credit, the Faculty evaluators shall make the determination after considering the following:

a. The institution is recognized or accredited. If not recognized or accredited, the institution maintains academic standards equivalent to those maintained by accredited institutions.
b. The course experience of the student was comparable to that which would have been presented at the University of Lethbridge. This determination is based on consideration of materials which may include any of: course descriptions, course outlines, course scheduling information, course assignments, statements of instructor credentials, textbook and resource materials, and final examinations.
c. The transfer credit to be awarded is appropriate to the student's program at the University of Lethbridge.
d. Instructor qualifications are appropriate to the material and the content of the course.

Generally, master's credentials are preferable for introductory courses and doctorates for advanced material.

15. Transfer of credit shall be subject to Faculty regulations, including but not limited to those found below. The student is also referred to the residence requirements of individual Faculties. Where the transfer credit regulations appear to contradict the residence requirements of individual Faculties, the residence requirements shall prevail (see Part 4 - Academic Regulations, Section 2.g., p. 83).

For some University of Lethbridge programs, students are required to take courses at another institution under Visiting student authorization. Visiting student authorization will be granted to these students. Such courses taken under Visiting student authorization will be counted as University
of Lethbridge courses toward meeting the minimum residence requirement (see Section 3.d., p. 37).

16. Courses taken during the completion of a previous undergraduate degree may satisfy particular course requirements of a program at the University of Lethbridge (see Section 3.b.5. Previous Degree, p. 36).

Courses which the student completed subsequent to the conferral of a previous degree or which were classified by the awarding institution as extra to degree at the time of conferral may be approved for transfer credit.

c. Procedures for Student Appeal of Transfer Credit

1. A student who chooses not to accept an Admissions decision regarding transfer credit shall have one full year, from the day the transfer courses were evaluated by Admissions, in which to lodge an appeal. The appeal shall be made in writing to the Manager of Admissions and shall set out the student’s rationale for appealing the Admissions decision.

The Manager of Admissions shall have 14 days to render a decision regarding the appeal. This decision, and any supporting rationale, shall be communicated in writing to the student and copied to the Registrar.

2. In the event of a negative decision by the Manager of Admissions, and the determination of the student to pursue the appeal, the student shall have 14 days from the mailing of the Manager of Admissions’ decision to forward a letter to the Registrar requesting further consideration.

The Registrar shall have 20 days from the time of receiving the second appeal to establish an Appeal Panel, which shall include: the Registrar as Chair; the Manager of Admissions; two members from the Admission Standards Committee, one of whom shall be a student; and at least one member from the academic unit involved in the appeal.

In addition to any materials which the student chooses to submit, it shall be the responsibility of the student to provide any materials requested by the Panel in a manner acceptable to them, and which may include any of: course descriptions, course outlines, course scheduling information, course assignments, statements of instructor credentials, textbook and resource materials, and final examinations.

The Panel may request the appearance of the student for an interview, at which the student may be accompanied by a fellow student or by a Faculty member of the University.

The student shall have up to 60 days to assemble the materials requested and to prepare for an interview with the Panel.

Subsequent to the interview or final meeting, the Panel shall have seven days to render a decision. This decision shall be final.

8. HOW TO APPLY FOR ADMISSION

a. Procedures for All Applicants

Applicants must submit the following to the Admissions Office:

1. An Application for Admission form, complete in every respect, accompanied by a non-refundable application fee. A student who applies for admission or readmission must pay an application fee. Students who do not maintain continuous registration must apply for readmission and pay the associated application fee.

All applicants to the U of L (undergraduate, master’s or Ph.D.) must pay an application fee of $100. Students may submit only one application for admission per semester. A student who re-applies for admission after an absence from the U of L must pay an application fee of $25.

2. Through ApplyAlberta (Alberta Post-Secondary Application System), applicants authorize the University of Lethbridge to request transcripts on their behalf from Alberta Education and/or participating post-secondary institutions in Alberta. Applicants attending institutions not participating in ApplyAlberta or any educational institution out-of-province must arrange to have official transcripts sent directly to the Admissions Office. Where possible, transcripts for out-of-province secondary schools should be issued from the appropriate provincial Department of Education.

Applicants currently studying at institutions not participating in ApplyAlberta or any educational institution out-of-province are strongly advised to arrange, at the time of application, for the submission of interim transcripts if necessary. Final transcripts are not yet available. Final, official transcripts must be submitted on or before the document deadline.

3. High School applicants must indicate courses completed and in progress (including final and estimated final grades) on the Application for Undergraduate Admission form. Self-reported grades: the applicant will provide final grades for Grade 12 courses already completed and estimate final grades for those courses still in progress. Grade 11 final grades may be used for subjects for which mid-term or final Grade 12 grades are not yet available (see Section 3.a.3. Early Admission, p. 30, for complete details).

The Admissions Office will require interim transcripts for applicants who are not admissible based on their self-reported grades.

4. Notarized English translations must accompany all documents that are not in either the English or French languages.

5. Additional Procedures for Adult Applicants

Applicants must follow the above procedures and in addition, submit a résumé and a Letter of Intent (see Section 3.c., p. 36).

b. Procedures for Readmission

1. Voluntary or Required Withdrawal

A former University of Lethbridge student who has previously withdrawn, either voluntarily or because required to do so for academic or other reasons, must submit a new Application for Admission Form to the University through ApplyAlberta (Alberta Post-Secondary Application System). The applicant authorizes the University of Lethbridge to request transcript(s) on their behalf from Alberta Education and/or participating post-secondary institutions in Alberta. If the applicant attended a post-secondary y
institution(s) within Alberta that is not participating in ApplyAlberta or any educational institution out-of-province in the interim, the applicant must arrange to have official transcripts sent directly to the Admissions Office.

Similarly, a student who has graduated from a program at the University must successfully apply for admission to another program in order to pursue studies as an admitted student. Otherwise, such students must register using the Open Studies student route (see Part 2 - Registration, Section 3.f., p. 52).

2. Returning to the University of Lethbridge after Visiting and Exchange Studies

See Part 1 - Admission, Section 3.d.4. (p. 37) and Part 2 - Registration, Section 3.d.1. (p. 52).

c. Procedures for Acceptance to Undergraduate Programs in the Faculty of Education, Faculty of Fine Arts, Faculty of Health Sciences, Faculty of Management or to any Combined Degrees program

1. Students not currently enrolled in programs at the University must follow the procedures outlined in 8.a. or 8.b. above.

2. Students currently enrolled in programs at the University must obtain, complete and submit to the Admissions Office an Application for Admission to Specialized Programs Form.

3. Conditional Admission may be offered to Transfer applicants applying for entry into undergraduate programs (see Section 9.e. Conditional Admission, p. 48).

d. Undergraduate Program Application and Document Deadlines, see page 27.

e. Responsibility of the Applicant or Student

It is the responsibility of the applicant or student to:

1. Provide true and complete information at the time of application for admission or readmission (see Section 9.k, Misrepresentation/Falsified Admission Documents, p. 49).

2. Provide any materials which the University may reasonably request in order to make decisions regarding either admission to the University or transfer credit evaluation (see Section 9.j, Misrepresentation/Falsified Admission Documents, p. 49).

3. Consult with the appropriate Academic Advising office regarding how unspecified transfer credit may be used to meet program requirements.

9. POLICIES FOR ALL STUDENTS

a. Access to Courses

Applicants should note that although admission may be granted to the University, eligibility to enrol in specific courses may be denied if the appropriate prerequisite high school or post-secondary course has not been completed (e.g., Chemistry 2320 has a prerequisite of Chemistry 30 or U of L Chemistry 0500). Applicants who are concerned about prerequisite courses for their desired program should check with Admissions.

b. Professional Transfer Programs

Many university courses, including introductory courses, have prerequisite high school courses. Applicants who intend to enrol in one of the professional transfer programs leading to degrees elsewhere should note that, while a student may be admissible to the Faculty of Arts and Science, a longer period may be required to meet the requirements for a professional program if these prerequisite high school courses or their equivalents have not been completed prior to admission.

c. Enrolment Management

The University of Lethbridge subscribes to enrolment management policies as resources become exhausted. For High School applicants, the basic admission average requirement is 60 percent. However, the University has set the admission cut-off average for General Admission at 65 percent for 2015/2016. For New Transfer applicants, the basic requirement for General Admission is a GPA of 2.00 on the U of L 4.00 GPA scale; some programs have a higher GPA requirement for transfer students. The GPA requirement for College Diploma applicants varies according to the program.

As the minimum is reviewed yearly, applicants should contact the Admissions Office for the current requirement.

d. Enrolment Limits and Admission Quotas

The University of Lethbridge guarantees that admitted students will have timely access to courses required to complete the student's program. However, admission to the University does not constitute a guarantee that a student will be able to register for any particular course in a given semester.

Enrolment limits are enforced by all Faculties. Where demand for access exceeds program or major capacity, admission will be limited according to approved enrolment management policies. Applicants will be assigned admission priority chiefly on the basis of academic merit. Subject to individual Faculty policies, High School applicants will typically be assigned priority on the basis of admission average. New Transfer applicants will be assigned priority on the basis of admission grade point average. Notwithstanding, the University reserves the right to limit admission to any or all programs without advance notice.

Faculties may have quotas; satisfying admission requirements for a program does not guarantee admission to the program nor to a specific major within the program.

e. Conditional Admission

Conditional Admission may be offered to applicants studying at Canadian institutions. This provides program admission which is conditional on the eventual satisfaction of certain admission requirements. For example, a student may be offered admission on the basis of satisfactory completion of studies still in progress at another institution or at the University of Lethbridge. Students failing to meet the condition in a satisfactory manner in the time specified may be required to withdraw from the program of admission; in such cases, the student's qualifications will be reviewed for possible admission to another program at the University, or the student may be allowed to complete the semester as an Open Studies student.
f. Confidentiality of Application Documents

All documents received in support of an application become the property of the University and will not be released or copied except to other employees of the University as required by University procedures regarding admission, registration, and awards and financial support administration.

g. Year of the Calendar

A student admitted or readmitted to the University is governed by the program requirements of the Calendar in effect at the time of the most recent admission. However, students are governed by the current Calendar in all other respects (e.g., order of registration, fees, course prerequisites) regardless of the year of admission or readmission.

When a student's registration at the University is interrupted and the student subsequently is readmitted to a University program, the student shall be governed by the Calendar in effect at the time of readmission, unless granted special permission.

A continuing student may opt to be governed by any Calendar from the one in effect at the point of most recent admission to the University, to the current Calendar. If a student opts for a particular Calendar, all program requirements of the chosen Calendar shall apply, while the current Calendar shall apply in all other respects.

Any student wishing to change the Year of the Calendar must apply to the Registrar's Office.

Students continuously registered in a formally-approved transfer program or in transferable courses at a post-secondary institution in the Alberta Council of Admissions and Transfer, are normally admitted under the current Calendar. However, the students may be treated as if they had been continuously registered at the University during that period. They may, therefore, when admitted to the University, opt for any Calendar from the one in effect at the point of most recent admission to the University to the Calendar in effect at the point of admission to the University of Lethbridge.

The University also recognizes transfer arrangements with the College of the Rockies and Selkirk College, and the University treats students transferring from these institutions in an equivalent manner with respect to the year of the governing Calendar.

Transfer students from institutions other than those with which the University has established transfer arrangements will be treated according to current policies for new student admissions, and therefore be subject to all the requirements of the Calendar in effect at the time of admission or readmission.

h. Simultaneous Enrolment

A course shall be counted only once to satisfy the requirements of post-secondary qualifications. No student will be permitted to enrol in a University of Lethbridge degree or diploma program, while simultaneously working towards a degree or diploma at another institution.

i. Academic Probation

Normally, if readmitted, an applicant who was on Academic Probation upon leaving the University will be readmitted on condition of Academic Probation.

j. Required to Withdraw

Applicants Required to Withdraw (or its equivalent) from this or any other post-secondary institution will not be considered for admission to the University of Lethbridge until at least one full year has elapsed.

Applicants who were Required to Withdraw prior to application must complete no less than eight transferable courses with an overall GPA of 2.00 or higher on the University of Lethbridge 4.00 GPA scale to be eligible for General Admission.

Any applicant Required to Withdraw from a recognized post-secondary program and subsequently admitted to the University of Lethbridge will be admitted on condition of Academic Probation.

Normally, applicants who have been Required to Withdraw from this or any other post-secondary institution more than once are not eligible for admission and shall be considered for admission only on the recommendation of the appropriate Dean.

Policies on admission after required withdrawal are also included in Section 8.b., Part 7 - Arts and Science (p. 99), Part 8 - Education (p. 158), Part 9 - Fine Arts (p. 172), Part 10 - Health Sciences (p. 197), and Part 11 - Management (p. 210). In particular, Tabula Rasa is available only in the Faculty of Arts and Science (see Section 3.e., p. 99), Faculty of Fine Arts (see Section 4.e.2, p. 172), and the Faculty of Health Sciences (see Section 6.c, p. 197).

k. Misrepresentation/Falsified Admission Documents

1. Admissions decisions are made on the basis of complete and accurate information provided to the University by the applicant or by other institutions at the request of the applicant. The integrity of the admissions process is dependent on the honesty of the applicant.

For the purposes of this section, the term 'documents' refers to all transcripts, letters and letters of reference, test results, and other documents or statements submitted by an applicant or student, or on behalf of an applicant or student, supporting an application for admission or readmission to the University of Lethbridge.

a. The submission of an application for admission containing false statements or intentional omissions of required information constitutes misrepresentation of a student's admission qualifications.

b. Falsified admissions documents include the submission of altered documents and/or the failure to provide all admissions documents.

2. Where there is evidence that an applicant or student has 1) submitted, or arranged for the submission of, an application for admission purposes with false statements or intentional omissions; and/or 2) failed to provide any related document; and/or 3) submitted falsified documents, the following procedures will be taken:

a. The Manager of Admissions will review the alleged offence(s) with the applicant or student and advise the student to refer to the Misrepresentation/Falsified Admission Documents policy in this section. At the meeting, the Manager of Admissions will provide the applicant or student with a letter regarding the alleged offence(s) under this section.
1. Provide the student with a letter of reprimand and place a copy in the student's file.
2. Revoke the applicant's or student's admission status, up to and including immediate and permanent dismissal from the University.
3. Cancel or suspend the applicant's or student's admission and/or registration privileges for a specified term.
4. Notify other educational institutions regarding particulars of the incident.
5. Enter a notation on the applicant's or student's transcript as follows: "Suspended due to submission of false documents."

3. The Manager of Admissions will meet with the applicant or student again to inform him/her of the penalties to be imposed for the offence(s) committed under this section and provide him/her with information on appeal procedures. At the meeting, the Manager of Admissions will provide the applicant or student with a letter regarding the penalties to be imposed and appeal procedures for the offence(s) under this section. Alternatively, the applicant or student will be notified by registered letter, with the date of receipt by the applicant deemed to be five working days after the date of the Manager of Admissions' letter.

4. The applicant will have seven days after the deemed date of receipt in which to appeal in writing to the Associate Vice-President (Students). In the absence of an appeal received by the Associate Vice-President (Students) within the seven days, the Manager of Admissions may levy any or all of the penalties under Section 9.k.2.b. above.

10. CAVEAT - AUTHORITY TO RESCIND ADMISSION/REGISTRATION PRIVILEGES

a. Should the Manager of Admissions determine that the alleged offence(s) have occurred, after consultation with the Registrar, he/she may take any or all of the following actions:
   1. Provide the student with a letter of reprimand and place a copy in the student's file.
   2. Revoke the applicant's or student's admission status, up to and including immediate and permanent dismissal from the University.
   3. Cancel or suspend the applicant's or student's admission and/or registration privileges for a specified term.
   4. Notify other educational institutions regarding particulars of the incident.
   5. Enter a notation on the applicant's or student's transcript as follows: "Suspended due to submission of false documents."

b. The powers of the President to rescind any application for admission or any applicant, or to rescind authorization to register from Open Studies students, may be exercised in any circumstance where the President in his/her sole discretion determines that:
   1. The individual represents a potential risk to the safety, security, or well-being of members of the University community, including but not restricted to students, faculty, and administration.
   2. The best interests of the University outweigh the inclusion of the individual as a student at the University.

c. The powers of the President to rescind any application for admission or any applicant, or to register from Open Studies students, may be exercised in any circumstance where the President in his/her sole discretion determines that:

11. EXPLANATION OF TERMS

Accredited or Recognized Institution - Generally, an accredited or recognized post-secondary institution is one approved by the government of the country in which it is located to grant degrees, diplomas or certificates, or to provide post-secondary courses leading to these qualifications, or one licensed for post-secondary education purposes. Institutions may be deemed to be accredited through recognition by accrediting organizations or by such recognized educational organizations as the American Association of Collegiate Registrars and Admissions Officers (AACRAO).

Credit, specified and unspecified - Advanced course credit may be granted in terms of specific course equivalents (e.g., ENGL 1900) or in terms of approximating subject and course-level credits (e.g., ENGL 1000 level, UNSPECIFIED). These are, respectively, specified and unspecified credit. Specified credits satisfy specific program requirements; appropriate unspecified credit may satisfy specific program requirements.

General Admission - A student guaranteed general admission is regarded to have met the basic prevailing admission criteria for non-quota programs in the Faculty of Arts and Science or the Faculty of Fine Arts.

Transfer Students - Students who have attended other post-secondary institutions and who have completed three or more transferable semester courses.

Transferable course - A course at another post-secondary institution for which credit may be granted toward a University of Lethbridge degree.
REGISTRATION

1. STUDENT RECORDS RETENTION POLICY

The permanent official folder for each student is maintained by the Registrar’s Office. The contents of this folder shall be destroyed according to the following schedule:

a. For students who have graduated, five years after the most recent registration activity of any description, except for those files containing documents pertaining to disciplinary action.

b. For students who have not graduated, seven years after the most recent registration activity of any description, except for those files containing documents pertaining to disciplinary action.

Prior to the destruction of the folder, the Registrar’s Office shall ensure that the contents of the file are reflected in the student’s electronic record, according to the policies governing admission, registration and academic history.

For more information, see Confidentiality of Student Records Policy (Part 4 - Academic Regulations, Section 9.c., p. 81).

2. ADVICE AND INFORMATION

Students who require advice or additional information regarding their programs during registration should seek it from a relevant academic advisor.

Students who require other kinds of information and advice about registration, such as deadlines and procedures, should consult the Registrar’s Office website at www.uleth.ca/ross or ask at the Information Centre (SU140).

Students are responsible for the accuracy and completeness of their own registration, and are liable for the fees for courses in which they are registered.

3. TERMS USED DURING REGISTRATION

a. Bridge

The University’s online registration system is available for all students (www.uleth.ca/bridge).

b. Year of Student

Students are classified by year level according to the number of credit hours they have successfully completed (i.e., this does not include courses in which the student is currently registered).

<table>
<thead>
<tr>
<th>Number of Successfully Completed</th>
<th>Year</th>
<th>Credit Hours</th>
<th>(Semester Course Equivalents)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0 - 29.5</td>
<td>(0 - 9)</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>30 - 59.5</td>
<td>(10 - 19)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>60 - 89.5</td>
<td>(20 - 29)</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>90 - 119.5</td>
<td>(30 - 39)</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>120 or above</td>
<td>(40 and above)</td>
</tr>
</tbody>
</table>

3. Part-Time and Full-Time

1. Fall and Spring Semesters

A part-time student is registered in fewer than 9.0 credit hours (three semester courses or equivalent).

A full-time student is registered in a minimum of 9.0 credit hours (three or more semester courses or equivalent).

The usual course load for a full-time undergraduate student is 15.0 credit hours (five courses) per semester. It should be stressed, however, that heavy course loads are a common cause of poor academic performance.
1. University of Lethbridge Students Studying Elsewhere

Within the residence requirement of the Faculty in which they are enrolled, continuing students in good standing at the University of Lethbridge may be authorized to take courses at another post-secondary institution. Students who wish to study as authorized Visiting or Exchange students at another institution must follow the following procedures:

a. Students must apply using an Application for Visiting Student Authorization form or an Application for Exchange Student Authorization form. Approval in writing must be obtained from the appropriate Faculty prior to commencement of studies elsewhere.

b. The student will be registered in placeholder courses during the semesters of approved absence from the University of Lethbridge. This allows the student to retain the registration privileges of a Continuing student, and the University to keep track of these students for record keeping purposes.

c. The student will register along with other Continuing students for the semester following the approved absence, according to the registration instructions for Continuing students.

d. If the student wishes to extend the approved absence, prior approval must be obtained from the appropriate Faculty. Otherwise, when the student subsequently applies for readmission, it will be according to the policies and procedures pertaining to students returning after an absence, thereby forfeiting guaranteed readmission and Continuing student privileges.

2. Visiting and Exchange Students from Other Universities

For complete information on registering as a Visiting or Exchange Student, please see the current Registration Guide.

e. Audit a Course

To audit a course, a student must be granted permission by the instructor to attend lectures in a course on the understanding that the student may not participate in class discussions (except by invitation of the instructor), submit assignments, or sit for examinations. No degree credit is granted for the course. An Audit Registration form must be submitted to the Registrar’s Office by the indicated deadline.

Students auditing a course are not required to meet the University’s English Language Proficiency (ELP) Requirement. A student who is only auditing a course is granted the same access to University services as a community user. Community user fees and restrictions will apply.

Refer to the Academic Schedule (p. 15) for the semester-applicable deadlines.

f. Open Studies Student

Open Studies student registration allows persons interested in taking courses for general interest to register without having to gain admission to the University. Registration as an Open Studies student is open to any individual not currently admitted to the University with some restrictions.

The following conditions apply to registration as an Open Studies student:

1. Open Studies student enrolment does not constitute formal admission to the University.

2. Students must complete the Open Studies Registration form and submit it, along with the registration fee and deposit, to the Registrar’s Office each term.

3. Students who have been Required to Withdraw from this or any other post-secondary institution within the last 12 months are not encouraged to register as Open Studies students. See Part 1 - Admission, Section 6.a., p. 42. Courses taken as an Open Studies student after required withdrawal may not be used for credit toward program requirements to which a student may ultimately be admitted without the express permission of the faculties offering that program.

4. Open Studies students must meet the University's English Language Proficiency (ELP) Requirement (see Part 1 - Admission, Section 6.a., p. 42). Open Studies students must present proof of English Language Proficiency (ELP) at registration. Failure to present proof will result in denial of registration privileges. Unofficial documents are acceptable. Students taking undergraduate courses should consult the English Language Proficiency (ELP) Requirement in the applicable degree program part of the Calendar.

5. Course prerequisites must be met where applicable and faculties are responsible for enforcing prerequisites. Open Studies students are required to present unofficial transcripts of prior secondary and/or post-secondary work at registration, if registration into a course with a prerequisite is to proceed.

6. Open Studies students have access to classes only as space and quotas permit. Registration must take place at dates specified in the Academic Schedule (p. 15).
7. Open Studies students must meet minimum academic standards for continuation of registration privileges. While under Open Studies student status, students are allowed a maximum of two grades below ‘C-’. Any subsequent grade below ‘C-’ results in permanent suspension of Open Studies student registration privileges.

8. Open Studies students are not eligible to use the Credit/Non-Credit designation.

9. Open Studies students are subject to the same Course Withdrawal policies as admitted students. Please refer to Section 8.d. (p. 55) for complete information.

10. Open Studies students may apply for formal admission or readmission at any time through one of the approved admission routes. At the point of admission, courses completed via the Open Studies student route are included in the admission decision process.

11. Open Studies students whose Open Studies registration privileges have been suspended may not re-register until they have attended another post-secondary institution and have been offered admission to a University of Lethbridge program.

12. Students who were previously Required to Withdraw may present courses completed via the Open Studies student route when reapplying for admission. Tabula Rasa may be granted to Open Studies students who were Required to Withdraw from the University of Lethbridge. If granted, Tabula Rasa is applied only to the student’s record prior to the point of Required Withdrawal (see Part 7 - Arts and Science, Section 4.e., p. 99, Part 9 - Fine Arts, Section 4.e.2, p. 172, or Part 10 - Health Sciences, Section 6.c., p. 197).

13. Upon subsequent application for admission or readmission, courses completed via Open Studies student registration may be counted toward the student’s program, subject to the approval of the appropriate rules of the Faculty regarding residence and Required Withdrawal legislation.

14. Only students who have been admitted to a University of Lethbridge program may graduate with a University of Lethbridge degree, diploma or certificate. (However, students who have been previously admitted, and not subsequently Required to Withdraw, may graduate while under Open Studies student status. Such students must have been admitted to the program of graduation at some point. As well, such students must have met the graduation requirements of that program.)

Students who have been Required to Withdraw must be readmitted to the University and to the program of study before they will be permitted to graduate. Such students must apply for admission according to regular application procedures and deadlines.

15. The University occasionally offers non-credit programs to selected groups of students, as do other agencies. Such students may not be eligible for registration via the Open Studies student route. With the permission of the Registrar, students participating in approved non-credit programs may register concurrently in credit courses as Open Studies students. Such registrations must be authorized in advance by the Registrar.

4. WHEN TO REGISTER
See the Academic Schedule (p. 15) for specific registration dates. Students who fail to complete registration during the specified period may be assessed a late fee.

a. New Students and Those Returning After an Absence
After applications have been processed, those eligible for admission receive full instructions on the procedures to be followed to complete registration.

b. Graduated Students
A student who has graduated from a program at the University must successfully apply for admission to another program in order to pursue studies as an admitted student. Otherwise such students must register using the Open Studies Student route (see p. 52).

c. Admitted Students
Students currently registered at the University register at the times indicated in the Academic Schedule (p. 15).

d. Registration in Off-Campus Courses
Each semester the University offers courses at a number of off-campus centres. Open Studies Students may register in these courses in person, by mail or via the Bridge. Admitted students may register using the Bridge.

e. Applied Studies
Registration in Applied Studies courses is initiated by application to the Office of Applied Studies no later than the published deadline in the Timetable and the Registration Guide. Application packages may be obtained from the Office of Applied Studies (AHS 154; tel. 403-329-2000).

5. ORDER OF REGISTRATION

a. Within the Academic Year
Priority of registration is as follows:

• First priority: Continuing Students admitted to the University of Lethbridge, pursuing programs of study offered by the University, continuing from one fall or spring semester to the next term.

• Second priority: Students newly admitted to the University of Lethbridge or readmitted after an absence of a minimum of one fall or spring semester and Exchange Students (see p. 52) attending the University with a letter of permission from their home institutions.

• Third priority: Open Studies Students (see p. 52) and Visiting Students (see p. 52).

• Fourth priority: Students auditing courses (see p. 52).

b. At Continuing Student Registration
1. Graduate, second degree, diploma students
2. Fourth-year and higher students, second-year post-diploma students, Management Certificate students
3. Third-year students, first-year post-diploma students
4. Second-year students
5. First-year students
Within groups two to five, students will be further prioritized:
* according to their successfully completed hours;
* with the first group of students in their priority group, for students who have been verified as having a disability. (For verification, see the Registrar. For details, see also Part 16 - General Services, Section 1, Accommodated Learning Centre, p. 547); and
* with the first group of students in their priority group, students who hold a Canada Scholarship. For verification, see the Registrar.

6. REGISTRATION LIMITATIONS

**a. Timetable Conflicts**
Students are not permitted to register in two classes which are offered at the same time. To avoid delays at registration, students must consult the current semester Timetable. Registration into classes which overlap or create time conflicts will not be processed.

**b. Maximum Credit Hours**
During early registration, the maximum number of credit hours in which a student may register is 15.0 (five course equivalents). During the first week of classes, students may increase their loads to the maximum allowed by their respective Faculty, Physical Activities, Music Ensemble Activities and Education Professional Development courses carry credit hours equal to 1.5. Generally, most other courses have an equivalent of 3.0 credit hours. Students wishing to register in more than the maximum credit hours (semester course equivalents) allowed must obtain approval of the Faculty in which they are enrolled.

- In the Faculty of Arts and Science, students must obtain permission if they wish to exceed the following maximum credit hours (as determined by academic standing):
  - **Probation** 12.0 credit hours (four courses)
  - **In Good Standing**
    - Normal 15.0 credit hours (five courses)
    - Maximum 18.0 credit hours (six courses)

- In the Faculty of Education, students may enrol in a maximum of six courses (18.0 credit hours) during a non-practicum semester.
- In the Faculty of Management, the usual course load for a full-time student in good standing is 15.0 credit hours (five courses) per semester. Students on probation must not exceed 12.0 credit hours (four courses) per semester.

- In all other Faculties, students must obtain permission if they wish to exceed 15.0 credit hours (five courses).

- **Summer Session (semester course equivalents):**

<table>
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<tr>
<th>Session</th>
<th>I</th>
<th>II</th>
<th>III</th>
<th>II/III</th>
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<tbody>
<tr>
<td>Arts and Science</td>
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<td>Management</td>
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*The maximum number of courses Management students may take over Summer Sessions II, III, and II/III is three.

**Note:** In the event of a difference between the maximum credit hour limits set by the Faculties, students in combined degrees programs will be governed by the more stringent limits.

**c. Duplication of Registration**
A student may not register in more than one section of a course offering in a semester.

A student may not be registered in the same course in more than one semester simultaneously (e.g., in both summer session and fall semester).

**d. Faculty Quotas**
Admission to the University does not constitute a guarantee that a student will be able to register for any specific course in a given semester. Enrolment limits are enforced by all Faculties.

**e. Graduated Students**
A student who has graduated from a program at the University must successfully apply for admission to another program in order to pursue studies as an admitted student. Otherwise, such students must register using the Open Studies Student route (see p. 52).

**f. Holds on Registration**
A Faculty may place specific registration requirements upon a student. In such cases, at the request of the respective Dean or designate, the Registrar’s Office may restrict a student’s access to registration.

7. COURSE ADD/DROP
Courses may be added and/or dropped after initial registration. No changes other than withdrawals from individual courses are permitted after the Add/Drop period.

8. CANCELLATION AND WITHDRAWAL

**a. Classroom Privileges - Students**
Students have classroom privileges for the course offering in which they are registered. Classroom privileges mean that a student is entitled to attend class meetings as required by the instructor and detailed in the course outline. Students who are not registered may be granted classroom privileges at the discretion of the instructor. Students who do not have classroom privileges may not attend a class. Instructors may authorize guests to attend a class. Audit registration is also normally available for people who would like to attend a class on a regular basis.

**b. Cancellation of Registration**
Students may cancel their registrations by the Add/Drop deadline in any semester/session.
• Open Studies Students who cancel their registration by the Add/Drop deadline in a fall or spring semester forfeit the $80 non-refundable deposit and the non-refundable $20 Open Studies Student Registration fee.

• Open Studies students who cancel their registration by the Add/Drop deadline in a summer session forfeit the $20 Open Studies Student Registration fee only.

All students must cancel their registration using the Bridge (www.uleth.ca/bridge).

Students who register and decide not to attend but DO NOT cancel their registration by the Add/Drop deadline shall be assessed tuition and compulsory fees according to the fee assessment schedule in Part 3 - Fees, Section 8.b. Withdrawals (p. 60).

c. Complete Withdrawal
A student wishing to withdraw from the semester must notify the Registrar’s Office by submitting a Complete Withdrawal form which can be obtained from the Registrar’s Office. The date this form is received by the Registrar will be the official withdrawal date for purposes of fee assessment.

A ‘Complete Withdrawal with Cause’ is available only through the Faculty advising offices.

Failure to comply with this requirement results in the assignment of failing grades and full assessment of fees—see Part 3 - Fees, Sections 8.b. Withdrawals (p. 60) and Refunds (p. 61). Grades are not assigned when a student withdraws.

Students are responsible for ensuring that the Registrar’s Office receives the request for withdrawal by the relevant deadline. If a student chooses to mail his or her request for withdrawal, then the Registrar’s Office recommends that the student use Registered Mail to guarantee delivery.

d. Course Withdrawal - Part-Time and Full-Time Status
1. Fall and Spring Semesters
   Full-time students who withdraw from courses but remain registered in three semester course equivalents (9.0 credit hours) retain classification as full-time students.

   Full-time students who withdraw from courses, resulting in registration in fewer than three semester course equivalents (9.0 credit hours), are reclassified as part-time.

2. Summer Session
   Students receiving full-time government student loans for the summer session should contact Scholarships and Student Finance for provincial/territorial student loan eligibility.

   Students registered in summer session should consult the Academic Schedule (p. 15) for withdrawal dates.

3. Students who drop from full-time to part-time status may not receive the same privileges as full-time students at the University. Furthermore, students who are accessing government student loans and drop to part-time status may lose their eligibility for further government student loans for a 12-month period and existing government loans may go into repayment early.

e. Course Withdrawal
1. W - Individual Course Withdrawal
   Students are awarded a ‘W’ designation for any course from which they choose to withdraw after the first Add/Drop period and before the end of a fall or spring semester provided the student remains registered in one or more courses. Withdrawal deadlines for summer session vary and may be found in the Academic Schedule (p. 15). See Section 8.b “Withdrawals” in Part 3 - Fees, p. 60.

2. WC - Withdrawal with Cause
   The designation ‘WC’ is recorded only in case of serious illness or other extenuating circumstances beyond the control of the student which makes continuation in a course impossible and where an ‘Incomplete’ designation is not in order. For admitted students, the ‘WC’ is recorded only on application to the Faculty advising office. For Open Studies students, the ‘WC’ is recorded upon application to the Associate Registrar. A student may apply for a ‘WC’ after Add/Drop, up to and including the last day of classes (see Section 8.b “Withdrawals” in Part 3 - Fees, p. 60).

9. APPEAL OF REGISTRATION
Students dissatisfied with decisions regarding registrations are entitled to a review by the Associate Registrar.

If still dissatisfied after this review, the student may address a written appeal to the Registrar who renders the final decision on behalf of the Registrar’s Office.

Students who wish to appeal decisions regarding retroactive adjustments to registrations shall have one full year from the last day of the Add/Drop of the semester or summer session during which the course(s) in question were registered.
1. DISCLAIMER
   The fees stated in this Calendar are correct at the time of publication. The University reserves the right to alter fees without notice.

2. INFORMATION
   Any student who wishes information about fees beyond that which is published in this Calendar should inquire at the Cash Office (AH144; tel. 403-329-2469; email: cash.office@uleth.ca).

3. FINANCIAL SUPPORT
   Student Finance - Government Student Loans and Grants
   See Part 16 - General Services, Section 31.
   Student Finance - Government Student Loans and Grants (p. 558).

   Student Awards - Scholarships and Bursaries
   See Part 16 - General Services, Section 30.
   Student Awards - Scholarships and Bursaries (p. 557).

4. APPLICATION FOR ADMISSION AND OPEN STUDIES STUDENT REGISTRATION FEES
   A student who applies for admission or readmission must pay an application fee. Students who do not maintain continuous registration must apply for readmission and pay a non-refundable application fee.
   All applicants to the U of L must pay an application fee of $100. Students may submit only one application for admission per semester. A student who re-applies for admission after an absence from the U of L must pay an application fee of $25.

5. DEPOSITS/FEES
   a. Tuition Deposit
      All newly admitted and readmitted undergraduate students are required to pay a non-refundable deposit of $80 (Effective for the Spring 2016 intake, the Tuition Deposit will be $200). All newly admitted and readmitted graduate and post-graduate students are required to pay a non-refundable deposit of $100 (Effective Spring 2016 the Tuition Deposit will be $200). This deposit must be paid at the Cash Office, either in person, by mail, telephone banking or online banking. Refer to Section 6. Fee Payments (p. 58) for more information. After deposits have been paid, registration privileges will ensue.
   b. Registration Fee
      Open Studies Students registering in undergraduate courses must pay a non-refundable deposit of $100 ($80 tuition deposit, plus a $20 Open Studies Student Registration fee). Open Studies Students registering in graduate courses must pay a non-refundable deposit of $120 ($100 tuition deposit, plus a $20 Open Studies Student Registration fee).
      Open Studies Students studying in the summer at the University of Lethbridge who are admitted and attend the subsequent fall semester will have the $20 registration fee applied to the fall semester account.
6. FEE PAYMENTS

a. Where to Pay Fees

Fee payments may be made using any of the following options:

1. Customers of the following financial institutions can make payments on their University of Lethbridge student account using their bank's telephone payment or online system: Bank of Montreal, TD Canada Trust, CIBC, HSBC, Royal Bank, Scotiabank, ATB Financial, Credit Union Central, Canadian Western Bank, Citizens Bank of Canada, PC Financial, Ubiquity Bank of Canada, Community Savings, 1st Choice Savings and Credit Union, and TelPay. Students can select the University of Lethbridge as the payee and use their nine-digit student ID number as the account or customer number. Students should inquire directly at their branch to obtain information regarding these bill payment services. If your financial institution is not listed, check directly with your bank to see if the service is available.

   Note: Students paying through their financial institution must allow at least four additional working days for their payments to be processed.

2. By mail or courier to:
   University of Lethbridge Cash Office
   4401 University Drive
   Lethbridge, AB T1K 3M4

   Note: Payments sent by mail or courier must be received prior to applicable deadlines to ensure late penalties and interest charges are not assessed.

3. Placing your payment in the 24-hour deposit vault located at the east end of the counter in front of the Cash Office. Please ensure your name and University of Lethbridge ID number are included with your payment when using the 24-hour deposit.

4. At any branch of the Bank of Montreal by presenting a First Bank Bill Payment Service form. These forms are available at the Cash Office, at any Lethbridge branch of the Bank of Montreal or on the University's website:

   www.uleth.ca/financial-services/payment-methods

   You do not need to be a client of the Bank of Montreal to use this service; however, the bank does assess a $1.50 service charge (subject to change).

5. In person at the Cash Office (AH144) during regular business hours: 9:00 a.m. to 3:30 p.m., Monday to Friday.

   Payments can be made by cash, cheque, or Interac Direct Payment banking cards. The Cash Office does not accept credit cards.

b. Deadlines for Fee Payments

Full fees, including all miscellaneous and incidental fees, are due and payable by October 1 for the fall semester, February 1 for the spring semester, and June 1 for all summer session fees. When a deadline occurs on a weekend or statutory holiday, the deadline will be the next working day.

Students may view their account summary by logging on to the Bridge:
www.uleth.ca/bridge

7. FEE SCHEDULES

a. Student Definitions

   Full-Time - any student who is currently registered in three or more courses (9.0 credit hours or more). Students enrolled in Co-operative Education Work Experience courses are considered to be full-time. This definition of full-time may not be the same as the definition used by Canada Revenue Agency (CRA) for the purpose of the Tuition and Education Amounts Certificate (T2202A).

   Part-Time - any student who is currently registered in less than three courses (9.0 credit hours). On-Campus - any student who is registered in courses delivered on a University of Lethbridge campus.

   Student bills are sent to the student's University of Lethbridge email account—they are not sent via Canada Post.

c. Deductions from Student Loans, Bursaries and Scholarships

   1. Government Student Loans and Bursaries
      Payment of 100 percent of current and/or outstanding fees is a first charge against assistance received from government (Federal and Provincial) student loan certificates and bursaries.

   2. Scholarships
      Payment of 100 percent of current and/or outstanding fees is a first charge against scholarships awarded and/or administered by the University of Lethbridge.

d. Registration Cancellation

   Continuing students must have made a payment by October 1 for the fall semester and by February 1 for the spring semester, or their registration will be automatically cancelled, and be assessed fees at a rate of 20 percent of compulsory fees.

   Newly admitted or readmitted students who have paid only the tuition deposit fee by October 1 for the fall semester and by February 1 for the spring semester will have their registration automatically cancelled, and be assessed fees at a rate of $80.00 tuition and 20 percent of compulsory fees (effective Spring 2016 assessed fees at a rate of $200.00 and 20 percent of compulsory fees).

   There will be a reinstatement fee of $25 for those students who re-register after cancellation of classes.

   For those students who have made partial payments, registration will not be cancelled; however, interest at a rate of the Bank prime lending rate plus five percent per annum will be charged on the outstanding principal balance owing.

   Any payments made after deadlines shall be applied first against interest charges and, thereafter, against the principal owing.

e. Interest Charges for Late Payments

   A simple interest charge of the Bank prime lending rate plus five percent per annum will be added to the outstanding principal amount at the close of the first working day of each successive month that the account remains unpaid.

f. Referral of Unpaid Fees

   It is the policy of the University of Lethbridge to involve a professional collection agency when deemed necessary.
b. Mandatory Fees

Tuition Fee - price or payment for enrolment in a course.
Sport and Recreation Services (SRS) Fee - on-campus students pay this fee for the fall and spring semesters, allowing them access to various facilities and events both on the campus and throughout the city. In addition, a portion of this fee is used toward supporting the Pronghorn Athletic program. Off-campus and summer session students may opt into the service. For more details, please contact Sport and Recreation Services (PE160; tel. 403-329-2706).

Student Administrative Fees

- Student Services Fee - fee associated with providing student services either in person, via the web or by means of voice response technology. The fees are used to supplement and create tools and resources that will help students succeed through their academic careers (e.g. tutorial services, counselling).
- Student Copyright Access Fee - fee to offset expenses incurred by the University related to compliance with the Copyright Act.

Students’ Union Fees

- Building Fund - covers costs incurred through maintenance, renovations and utilities charges.
- Operations Fund - supports the ongoing day-to-day business costs such as administration, memberships and student services offered by the Students’ Union.
- Capital Replacement Fund (CRF) - used for the purchase of major assets and to replace depreciated items.
- Health and Dental Plans - the Health Plan is an extended plan (over and above provincial health care), specifically designed for the student’s benefit; the Dental Plan is a basic set of dental insurance benefits. All full-time students who pay Students’ Union fees or Graduate Students’ Association fees are on the plans unless proof of alternate coverage is provided to the Students’ Union Office before the opt-out deadline dates for new registrants in each semester. For more details, contact the Health and Dental Plan Administrator at the Students’ Union Office in the Students’ Union Building (SU 180; tel. 403-329-2039; www.ulsu.ca).

1st Choice Savings Centre for Sport and Wellness Contribution - contribution to the 1st Choice Savings Centre for Sport and Wellness.

CKXU Fee - used to support the operations of the student radio station.

Meliorist Fee - used to support the operations of the student newspaper.

Lethbridge Public Interest Research Group (LPIRG) Fee - used to support the operations of the Lethbridge Public Interest Research Group.

Campus Women’s Centre Fee - used to support the operations of the Campus Women’s Centre.

Faculty of Fine Arts Access Fee - on-campus students pay this fee for the fall and spring semesters, allowing them free admission to all ticketed Fine Arts events on a first-come-first-serve basis, space permitted. Not applicable for a few special concerts (fundraising events or high-profile visiting performers/groups). This access fee supports the University’s commitment to liberal education, and will allow the opportunity for all students to experience the broad range of cultural events held throughout the academic year.

c. Program-Related Fees

The assessment of the following fees, in addition to basic tuition, is related to the student’s program:

- Practicum Fee - fee paid by students enrolled in Education 2500 to defray some of the costs associated with providing placements.
- Student Practicum Travel Fee - fee paid by students enrolled in Professional Semester I or II to defray some of the costs associated with providing placements.
- Music Studio Differential Fee - fee for individualized vocal or instrumental instruction to develop the student’s performance capabilities.
- Music Instrument Rental Fee - fee paid by students enrolled in either Education 3875 or 3876 to cover a portion of the cost of rental and maintenance of musical instruments for these courses.

International Exchange Fee - fee paid per exchange by University of Lethbridge students participating in exchange programs away from the University of Lethbridge to recover the additional cost incurred in providing the exchange programs. The fee consists of a partial non-refundable application fee.

Canadian Nursing Association Annual Fee - fee paid by students enrolled in the Nursing program.

Market Modifier - Faculty of Management - tuition fee market modifier will apply to all students registered in the Faculty of Management (i.e. all management majors and minors) and Management certificate programming. The fee will not be applied to those students not registered in the Faculty of Management preserving the liberal education philosophy which encourages students to explore courses outside of their majors. The fee will only apply to Faculty of Management students admitted in 2015/2016 and beyond.

d. Mandatory Processing Fees

Generally, these fees are paid by all University of Lethbridge students:

- Application for Admission Fee

  All applicants to the U of L must pay an application fee of $100. Students may submit only one application for admission per semester. A student who re-applies for admission after an absence from the U of L must pay an application fee of $25.

- Audit Fee (non-refundable) - fee for auditing a course. This is one-half the tuition fee.

- Graduation Fee - students applying to graduate will be charged a $26.25 non-refundable graduation fee.

  Note: The graduation fee will be eliminated effective April 1, 2015.

- Late Fee - fees charged when deadlines are not met, $25.

- Registration Fee - fee for registration privileges paid by Open Studies students only.
e. Other Fees

There may be additional charges for field trip costs and for major specialty items in a particular course such as lab costs, lab manuals, art supplies, workbooks and substantial photocopied materials which are retained by the student. Instructors will normally be able to estimate these costs for a particular course at the start of the semester and students are entitled to a receipt upon payment for such costs.

Students requested to pay additional fees to departments for materials and services not described in the above guidelines nor in individual course descriptions should contact the Dean’s Office of their Faculty/School concerning the authority for such assessments.

Non-Credit Fees:
- Music Conservatory Fee - See Part 9 - Faculty of Fine Arts, Section 10.a. Music Conservatory Fees (p. 190).
- Music Ensemble Activity Fee - See Part 9 - Faculty of Fine Arts, Section 10.c. Music Ensemble Activity Fees (p. 190).
- International Exchange Fee - $140.00 per exchange.

Service/Product Fees:
- Campus ID Card Fee - No charge for new students; $5 for community users; $10 for replacement cards.
- Account History - $5 per request. No charge for receipts.
- Parking Fee - See Part 16 - General Services, Section 6. Campus Safety - Security Services/Parking (p. 548).
- Residence Fee - See Part 16 - General Services, Section 17. Housing Services (p. 551).
- Dining Plan Fee - See Part 16 - General Services, Section 17. Housing Services (p. 551).
- Health Centre Health Insurance Fee - $36.75.
- Administrative Processing Fee for Curriculum Detail - per request fee paid by graduates for providing a detailed program curriculum report to foreign agencies - $180.

f. How Fees Are Assessed - International Students

International students who receive their landed immigrant status or Canadian citizenship while registered in courses at the University must present their official Landed Immigrant papers or Canadian citizenship card at the Registrar’s Office no later than January 31 for the spring semester and September 30 for the fall semester to be eligible for Canadian fee assessment rates. Failure to comply with this requirement results in the assignment of failing grades and full assessment of fees.

The fee assessment schedule for admitted students is as follows:

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<thead>
<tr>
<th>University of Lethbridge</th>
<th>Students’ Union/Graduate Students’ Association</th>
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<tbody>
<tr>
<td>Tuition/FOM</td>
<td>Student Administrative Fee/All Fees Health/ Dental Plan Meliorist</td>
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<td>Tuition Fee</td>
<td>Markets Materials/All Dental Services</td>
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<td>Market Modifier SRS</td>
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<td></td>
</tr>
<tr>
<td>Cancellation up to the last day of Add/Drop:</td>
<td>100% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td></td>
<td>0% 0% 0% 0% 0% 0% $80 non-refundable tuition deposit forfeited</td>
</tr>
<tr>
<td>After Add/Drop to October 1:</td>
<td>20% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td>Withdrawal after October 1 to November 15:</td>
<td>50% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td>After November 15 up to and including the last day of classes:</td>
<td>100% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
</tr>
<tr>
<td>Cancellation up to the last day of Add/Drop:</td>
<td>100% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td></td>
<td>0% 0% 0% 0% 0% 0% $200 non-refundable tuition deposit forfeited</td>
</tr>
<tr>
<td>After Add/Drop to February 1:</td>
<td>20% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td>Withdrawal after February 1 to March 15:</td>
<td>50% 100% 100% 100% 100% 100%</td>
</tr>
<tr>
<td>After March 15 up to and including the last day of classes:</td>
<td>100% 100% 100% 100% 100% 100%</td>
</tr>
</tbody>
</table>

See table on page 61.

8. CANCELLATIONS, WITHDRAWALS AND REFUNDS

a. Cancellations

Cancellation of registration may be done up to and including the last day of Add/Drop for the fall and spring semesters and each summer session.

All students must cancel their registration by logging on to the Bridge:

www.uleth.ca/bridge

b. Withdrawals

Individual Course Withdrawal

Students who withdraw from a course or courses are assessed a percentage of the total fee applicable for that course or those courses, effective the date of notification of withdrawal. Total fee assessment at any given time will be the sum of the course fees for each course withdrawal in accordance with the schedule below, plus the applicable general fees. Notification of withdrawal is considered effective on the date that the Withdrawal Form is received by the Registrar’s Office. Failure to comply with this requirement results in the assignment of failing grades and full assessment of fees.

Complete Withdrawal

A student wishing to withdraw from the semester must notify the Registrar’s Office by submitting a Complete Withdrawal Form which can be obtained from the Registrar’s Office. The date this form is received by the Registrar will be the official withdrawal date for purposes of fee assessment. Failure to comply with this requirement results in the assignment of failing grades and full assessment of fees. Students who mail their Complete Withdrawal Form are encouraged to use Registered Mail.

Percentage Assessed

The fee assessment schedule for admitted students is as follows:

- Cancellation up to the last day of Add/Drop:
  - 100% 100% 100% 100% 100% 100%
  - 0% 0% 0% 0% 0% 0% $80 non-refundable tuition deposit forfeited
- After Add/Drop to October 1:
  - 20% 100% 100% 100% 100% 100%
- Withdrawal after October 1 to November 15:
  - 50% 100% 100% 100% 100% 100%
- After November 15 up to and including the last day of classes:
  - 100% 100% 100% 100% 100% 100%

- Cancellation up to the last day of Add/Drop:
  - 100% 100% 100% 100% 100% 100%
  - 0% 0% 0% 0% 0% 0% $200 non-refundable tuition deposit forfeited
- After Add/Drop to February 1:
  - 20% 100% 100% 100% 100% 100%
- Withdrawal after February 1 to March 15:
  - 50% 100% 100% 100% 100% 100%
- After March 15 up to and including the last day of classes:
  - 100% 100% 100% 100% 100% 100%

See page 63 for the 2015/2016 Undergraduate Program Fee Schedule. The University of Lethbridge is required to publish fees for three years to enable students to plan more effectively for their post-secondary education. Fee schedules follow for 2016/2017 (p. 64) and 2017/2018 (p. 63) academic years.
9. OUTSTANDING ACCOUNTS

Degree, diploma and certificate parchments and registration privileges are withheld from students who have outstanding fees or other accounts with the University. Official transcripts will not be released until outstanding accounts have been paid in full. Students with outstanding accounts who present student loan forms at the Cash Office will have their outstanding fees automatically deducted from the loan (see Section 6.c., p. 58 for details). Applications for Graduation will not be considered without a clean account.

10. RECEIPTS

Receipts for payment of fees received by mail are not issued, unless requested. Tuition and Education Amounts Certificate (T2202A) will be made available before the end of the following February. The tax receipts can be viewed and printed by logging on to the Bridge:

www.uleth.ca/bridge

There is a $5 fee for printing a tax receipt. Students with past due fees will not be issued a tax receipt until the fees for the taxation year in question are paid in full.

11. FEE DEADLINES

See page 66.
### UNIVERSITY OF LETHBRIDGE FEE SCHEDULE
#### SUMMER SESSION 2015
**EFFECTIVE APRIL 1, 2015**

The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Practicum Travel Fee</th>
<th>Student Services Fee</th>
<th>Student Copyright Access Fee</th>
<th>Enrolled in 1 Session</th>
<th>Enrolled in 2 Sessions</th>
<th>Enrolled in 3 Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNDERGRADUATE (Canadian Students)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-Half Course (1.5 Cr. Hrs.)</td>
<td>254.18</td>
<td>N/A</td>
<td>20.50</td>
<td>1.25</td>
<td>289.09</td>
<td>N/A</td>
</tr>
<tr>
<td>One Course (3.0 Credit Hrs.)</td>
<td>508.35</td>
<td>N/A</td>
<td>41.00</td>
<td>2.50</td>
<td>565.01</td>
<td>N/A</td>
</tr>
<tr>
<td>Two Courses (6.0 Credit Hrs.)</td>
<td>1,016.70</td>
<td>N/A</td>
<td>82.00</td>
<td>5.00</td>
<td>1,168.71</td>
<td>1,194.97</td>
</tr>
<tr>
<td>Three Courses (9.0 Credit Hrs.)</td>
<td>1,525.05</td>
<td>N/A</td>
<td>123.00</td>
<td>7.50</td>
<td>1,688.11</td>
<td>1,714.27</td>
</tr>
<tr>
<td>Four Courses (12.0 Credit Hrs.)</td>
<td>2,033.40</td>
<td>N/A</td>
<td>164.00</td>
<td>10.00</td>
<td>2,265.90</td>
<td>2,292.06</td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hrs.)</td>
<td>2,541.75</td>
<td>N/A</td>
<td>205.00</td>
<td>12.50</td>
<td>2,778.25</td>
<td>2,804.41</td>
</tr>
<tr>
<td>Six Courses (18.0 Credit Hrs.)</td>
<td>3,050.10</td>
<td>N/A</td>
<td>246.00</td>
<td>15.00</td>
<td>3,306.10</td>
<td>3,332.26</td>
</tr>
</tbody>
</table>

| **UNDERGRADUATE (International Students)** | | | | | | |
| One-Half Course (1.5 Cr. Hrs.) | 575.48 | N/A | 20.50 | 1.25 | 646.13 | N/A | N/A |
| One Course (3.0 Credit Hrs.) | 1,150.95 | N/A | 41.00 | 2.50 | 1,244.36 | N/A | N/A |
| Two Courses (6.0 Credit Hrs.) | 2,301.90 | N/A | 82.00 | 5.00 | 2,438.81 | 2,465.07 | N/A |
| Three Courses (9.0 Credit Hrs.) | 3,452.85 | N/A | 123.00 | 7.50 | 3,741.15 | 3,767.41 | 3,793.67 |
| Four Courses (12.0 Credit Hrs.) | 4,603.80 | N/A | 164.00 | 10.00 | 4,877.50 | 4,903.76 | 4,930.02 |
| Five Courses (15.0 Credit Hrs.) | 5,754.75 | N/A | 205.00 | 12.50 | 6,029.55 | 6,055.81 | 6,082.07 |
| Six Courses (18.0 Credit Hrs.) | 6,905.70 | N/A | 246.00 | 15.00 | 7,216.50 | 7,242.76 | 7,269.02 |

| **UNDERGRADUATE (International Students enrolled in regular program after Sep 2013)** | | | | | | |
| One-Half Course (1.5 Cr. Hrs.) | 762.55 | N/A | 20.50 | 1.25 | 834.21 | N/A | N/A |
| One Course (3.0 Credit Hrs.) | 1,525.10 | N/A | 41.00 | 2.50 | 1,618.61 | N/A | N/A |
| Two Courses (6.0 Credit Hrs.) | 2,301.90 | N/A | 82.00 | 5.00 | 2,438.81 | 2,465.07 | N/A |
| Three Courses (9.0 Credit Hrs.) | 3,452.85 | N/A | 123.00 | 7.50 | 3,741.15 | 3,767.41 | 3,793.67 |
| Four Courses (12.0 Credit Hrs.) | 4,603.80 | N/A | 164.00 | 10.00 | 4,877.50 | 4,903.76 | 4,930.02 |
| Five Courses (15.0 Credit Hrs.) | 5,754.75 | N/A | 205.00 | 12.50 | 6,029.55 | 6,055.81 | 6,082.07 |
| Six Courses (18.0 Credit Hrs.) | 6,905.70 | N/A | 246.00 | 15.00 | 7,216.50 | 7,242.76 | 7,269.02 |

| **FACULTY OF MANAGEMENT** | | | | | | |
| Market Modifier - per course | 100.00 | | | | | |

| **CO-OP PROGRAM (Faculties of Arts and Science and Management)** | | | | | | |
| Canadian Students | 635.80 | N/A | 82.00 | 5.00 | 733.23 | N/A | N/A |
| International Students | 635.80 | N/A | 82.00 | 5.00 | 769.98 | N/A | N/A |

| **PRACTICUM I (Education 2500)** | | | | | | |
| Canadian Students | 508.35 | 110.00 | 41.00 | 2.50 | 675.01 | N/A | N/A |
| International Students | 1,525.10 | 110.00 | 41.00 | 2.50 | 1,728.51 | N/A | N/A |

| **AUDIT FEES PER COURSE** | | | | | | |
| Canadian Students | 254.18 | N/A | N/A | N/A | N/A | N/A | N/A |
| International Students | 762.55 | N/A | N/A | N/A | N/A | N/A | N/A |

**Notes:**

1. Student Administrative Fees include Student Services fee of $41.00 per course, and Student Copyright Access Fee of $2.50 per course.

2. Undergraduate totals include Students' Union fees of $5.43 per session, 1st Choice Savings Center Contribution of $5.00 per session and CKXU fee of $2.73 per session.

The Students' Union Health and Dental Plan is not assessed for the Summer Sessions.

All international students will be charged $36.75 per semester Health Centre Health Insurance fee

**Deadline for all Summer Session tuition and fees will be due June 1st.**

Students aged 65 and over (Senior Citizens) do not pay fees except for the Application for Admission fee or Registration Fee, if attending as an Open Studies Student.

Students aged 65 and over should contact the Registrar’s Office.

Source: Financial Services, December 2014. This schedule is in effect for Summer 2015 only.
### UNIVERSITY OF LETHBRIDGE 2015/2016 ACADEMIC YEAR FEE SCHEDULE

#### UNDERGRADUATE PROGRAMS

**Effective April 1, 2015**

The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.

### Fees

#### U of L Fees

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNDERGRADUATE (Canadian Students)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-Half Course (1.5 Credit Hours)</td>
<td>$254.18</td>
<td>N/A</td>
<td>21.75</td>
<td>67.80</td>
<td>N/A</td>
<td>$45.25</td>
<td>$10.00</td>
<td>$2.50</td>
<td>$401.48</td>
<td></td>
</tr>
<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$508.35</td>
<td>N/A</td>
<td>43.50</td>
<td>67.80</td>
<td>N/A</td>
<td>$45.25</td>
<td>10.00</td>
<td>2.50</td>
<td>$674.80</td>
<td></td>
</tr>
<tr>
<td>Two Courses (6.0 Credit Hours)</td>
<td>$1,016.70</td>
<td>N/A</td>
<td>87.00</td>
<td>67.80</td>
<td>N/A</td>
<td>$45.25</td>
<td>10.00</td>
<td>2.50</td>
<td>$1,229.25</td>
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</tr>
<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$1,525.05</td>
<td>N/A</td>
<td>130.50</td>
<td>90.40</td>
<td>N/A</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$2,087.92</td>
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</tr>
<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>$2,030.40</td>
<td>N/A</td>
<td>174.00</td>
<td>90.40</td>
<td>N/A</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$2,639.77</td>
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</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$2,541.75</td>
<td>N/A</td>
<td>217.50</td>
<td>90.40</td>
<td>N/A</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$3,191.62</td>
<td></td>
</tr>
</tbody>
</table>

#### UNDERGRADUATE (International Students admitted and beginning program PRIOR to September 2013)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>One-Half Course (1.5 Credit Hours)</td>
<td>$757.48</td>
<td>N/A</td>
<td>21.75</td>
<td>67.80</td>
<td>36.75</td>
<td>$45.25</td>
<td>10.00</td>
<td>2.50</td>
<td>$795.53</td>
<td></td>
</tr>
<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$1,150.95</td>
<td>N/A</td>
<td>43.50</td>
<td>67.80</td>
<td>36.75</td>
<td>$45.25</td>
<td>10.00</td>
<td>2.50</td>
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<td></td>
</tr>
<tr>
<td>Two Courses (6.0 Credit Hours)</td>
<td>$2,301.90</td>
<td>N/A</td>
<td>87.00</td>
<td>67.80</td>
<td>36.75</td>
<td>$45.25</td>
<td>10.00</td>
<td>2.50</td>
<td>$2,551.00</td>
<td></td>
</tr>
<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$3,452.85</td>
<td>N/A</td>
<td>130.50</td>
<td>90.40</td>
<td>36.75</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
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<td></td>
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<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>$4,605.80</td>
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<td>90.40</td>
<td>36.75</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
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<td></td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$5,754.75</td>
<td>N/A</td>
<td>217.50</td>
<td>90.40</td>
<td>36.75</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$6,441.37</td>
<td></td>
</tr>
</tbody>
</table>

#### FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (Canadian Students)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester PS I</td>
<td>$2,541.75</td>
<td>$520.00</td>
<td>217.50</td>
<td>90.40</td>
<td>N/A</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$3,711.62</td>
<td></td>
</tr>
<tr>
<td>PS II</td>
<td>$2,541.75</td>
<td>$520.00</td>
<td>217.50</td>
<td>90.40</td>
<td>N/A</td>
<td>$326.97</td>
<td>10.00</td>
<td>5.00</td>
<td>$3,711.62</td>
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</tr>
<tr>
<td>PS III</td>
<td>$2,541.75</td>
<td>N/A</td>
<td>217.50</td>
<td>90.40</td>
<td>N/A</td>
<td>$318.78</td>
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#### MUSIC STUDIO COURSES

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Students</td>
<td>$1,040.20</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,083.70</td>
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<td></td>
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</tr>
<tr>
<td>International Students</td>
<td>$1,682.80</td>
<td>N/A</td>
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<td>N/A</td>
<td>$1,726.30</td>
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<tr>
<td>International Students (Sept 2013)</td>
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<td>N/A</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### PRACTICUM I (Education 2500)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Students</td>
<td>$508.35</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$661.85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Students</td>
<td>$1,150.95</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,304.45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Students (Sept 2013)</td>
<td>$1,252.10</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,391.62</td>
<td></td>
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</tr>
</tbody>
</table>

#### PRACTICUM II (Education 2600)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Students</td>
<td>$508.35</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$661.85</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>International Students</td>
<td>$1,150.95</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,304.45</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Students (Sept 2013)</td>
<td>$1,252.10</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,391.62</td>
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#### PRACTICUM III (Education 2602)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Tuition</th>
<th>Practicum</th>
<th>Travel</th>
<th>Administrative Fees</th>
<th>Sport and Recreation Services Fees</th>
<th>Health Centre Fee</th>
<th>Students' Union Fee</th>
<th>Faculty of Fine Arts Access Fee</th>
<th>Meliorist</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Students</td>
<td>$508.35</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$661.85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Students</td>
<td>$1,150.95</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,304.45</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>International Students (Sept 2013)</td>
<td>$1,252.10</td>
<td>N/A</td>
<td>43.50</td>
<td>N/A</td>
<td>$1,391.62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- Student Administrative Fees include Student Services fee of $41.00 per course, and Student Copyright Access Fee of $2.50 per course.
- Students must pay $200.00 (for undergraduate students) as a "continuation" fee of half a course fee and anyone serving longer will be assessed a full course fee.
- Practicum Student Sport and Health Students’ Union Fee: $24.91.
- Non-refundable Confirmation of Admission deposit of $200.00 (for undergraduate students) must be paid to the Cash Office for newly admitted and readmitted undergraduate students. No arrangements whatsoever will be made for this deposit, nor will student loan forms be accepted in lieu of the required deposit.
- A non-refundable Confirmation of Admission deposit of $200.00 (for undergraduate students) must be paid to the Cash Office for newly admitted and readmitted undergraduate students. No arrangements whatsoever will be made for this deposit, nor will student loan forms be accepted in lieu of the required deposit.
- Education Information:
  - Continuation Fee for Students Assigned an Incomplete grade in PS I, PS II or PS III Practica: Students who are reassigned to a school for two weeks or less pay a "continuation" fee of half a course fee and anyone serving longer will be assessed a full course fee.
  - Past due accounts are charged simple interest at the Bank prime lending rate plus 5% per annum. Interest is calculated and added to the balance owing at the end of the first working day each month.

### Additional Information

- Students who AUDIT COURSES will pay 50% of applicable tuition only, and no other fees.
- Students aged 65 and over (Senior Citizens) do not pay fees except for the Application for Admission fee or Registration fee, if attending as an Open Studies Student.
- Students aged 65 and over should contact the Registrar’s Office.

Source: Financial Services, December 2014
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Fee Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>Full time membership $6,877.22, part time membership $5,350.62</td>
</tr>
<tr>
<td>International Students</td>
<td>$1,099.53</td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$8,478.07</td>
</tr>
<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>$2,692.07</td>
</tr>
<tr>
<td>International Students</td>
<td>$1,715.85</td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$3,255.82</td>
</tr>
<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>$2,592.50</td>
</tr>
<tr>
<td>International Students</td>
<td>$1,385.15</td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$3,805.82</td>
</tr>
<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$1,766.80</td>
</tr>
<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$4,131.42</td>
</tr>
<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$3,550.62</td>
</tr>
<tr>
<td>Two Courses (6.0 Credit Hours)</td>
<td>$2,694.35</td>
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<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$4,314.12</td>
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<td>Four Courses (12.0 Credit Hours)</td>
<td>$5,300.62</td>
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<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$5,862.30</td>
</tr>
<tr>
<td>Two Courses (6.0 Credit Hours)</td>
<td>$6,456.53</td>
</tr>
<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$5,276.37</td>
</tr>
<tr>
<td>Four Courses (12.0 Credit Hours)</td>
<td>$6,877.22</td>
</tr>
<tr>
<td>One Course (3.0 Credit Hours)</td>
<td>$7,119.82</td>
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<td>Two Courses (6.0 Credit Hours)</td>
<td>$8,478.07</td>
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<tr>
<td>Three Courses (9.0 Credit Hours)</td>
<td>$6,569.82</td>
</tr>
<tr>
<td>Four Courses (15.0 Credit Hours)</td>
<td>$8,866.38</td>
</tr>
<tr>
<td>International Students</td>
<td>$9,062.85</td>
</tr>
<tr>
<td>Five Courses (15.0 Credit Hours)</td>
<td>$10,542.53</td>
</tr>
</tbody>
</table>

**Notes:**
- Tuition fees are subject to CPI increase / TBD.
- Additional fees include:
  - Student Union Fee: $63.50
  - Campus Women's Centre: $1.00
  - Leth. Public Interest Research Group: $5.00
  - CKXU Radio: $8.19
  - Capital Replacement Fund: $562.83
  - 1st Choice Savings Centre Contribution: $15.00

**Program/Courses not covered by the above schedule:**
- CO-OP PROGRAM (Facilities of Arts and Science and Management)
  - Undergraduate Students: $1,062.78
  - International Students: $1,342.53

**FACULTY OF MANAGEMENT**
- 125.00

**MUSIC STUDIO COURSES**
- $326.97

**PRACTICUM (Education 250)**
- $373.73

**Students' Union Fee components:**
- Building Fund: $144.22
- 1st Choice Savings Centre Contribution: $15.00
- CKXU Radio: $8.19
- Leth. Public Interest Research Group: $5.00
- Capital Replacement Fund: $562.83
- 1st Choice Savings Centre Contribution: $15.00
- CKXU Radio: $8.19
- Leth. Public Interest Research Group: $5.00
- Capital Replacement Fund: $562.83

**Student Union Fee components:**
- Full-time: $45.25
- Part-time: $10.20

**Past due accounts are charged simple interest set at the Bank prime lending rate plus 5% per annum.**

**Students' Union Health Plan:**
- The Students' Union Health Plan costs are dependent on quotes from the external insurance carrier and are subject to change. The Students' Union Health Plan cost is $90.90 and Dental Plan cost is $73.73, both for eight months coverage, for the Spring Semester for full-time students admitted in the Spring semester.

**Education Information:**
- Students who audit courses will pay 50% of applicable tuition only, and no other fees.
- Students aged 65 and over (Senior Citizens) do not pay fees except for the Application for Admission fee or Registration fee, if attending as an Open Studies Student.
- Students aged 65 and over should contact the Registrar's Office.

**University of Lethbridge 2016/2017 Academic Year Fee Schedule**

**Undergraduate Programs**

**Effective April 1, 2015**

The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.
UNIVERSITY OF LETHBRIDGE 2017/2018 ACADEMIC YEAR FEE SCHEDULE
UNDERGRADUATE PROGRAMS
EFFECTIVE APRIL 1, 2015
The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.

<table>
<thead>
<tr>
<th>Unit of Fee</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition1</td>
<td>$7,013.67</td>
</tr>
<tr>
<td>Practicum Fee</td>
<td>$3,321.37</td>
</tr>
<tr>
<td>Travel Fee</td>
<td>$6,701.12</td>
</tr>
<tr>
<td>Student Administrative Fee</td>
<td>$5,456.67</td>
</tr>
<tr>
<td>Recreation Fee</td>
<td>$4,212.22</td>
</tr>
<tr>
<td>Sport and Fitness Fee</td>
<td>$3,437.05</td>
</tr>
<tr>
<td>Health Centre Fee</td>
<td>$1,803.35</td>
</tr>
<tr>
<td>Access Fee</td>
<td>$1,284.60</td>
</tr>
</tbody>
</table>

**Students' Union Fee components are:**
1. Full time rates
2. Part time rates

**Notes:**
1. Nursing students will be assessed their Canadian Nursing Association Annuals Fee. Full time membership is $10 annually and part time membership is $6 annually.
2. Student Administrative Fees include Student Services fee of $44.50 per course, and Student Copyright Access Fee of $2.50 per course.
3. Students who are reassigned to a school for two weeks or less pay a "continuation" fee of half a course fee and anyone serving longer will be assessed a full course fee.
4. Non-refundable Confirmation of Admission deposit of $200.00 (for undergraduate students) must be paid to the Cash Office for newly admitted and readmitted undergraduate students. No arrangements whatsoever will be made for this deposit, nor will student loan forms be accepted in lieu of the required deposit.

**Education Information:**
The Students' Union Health and Dental Plan costs are dependent on quotes from the external insurance carrier and are subject to change. The Students' Union Health Plan is $90.90 and Dental Plan cost is $73.73, both for eight months coverage, for the Spring Semester for full time students admitted in the Spring semester. Contact the Students' Union Office for information on opt-out procedures or refer to the "General Services" section in the Calendar for more information.

**Program/Courses Not Covered by the Above Schedule:**

**Co-op Program (Faculties of Arts and Science and Management):**

Canadian Students: 661.45
International Students: 661.45

**Faculty of Management:**

Market Modifier - per course 150.00

**FACULTY OF MANAGEMENT**

**Tuition for market modifier of $150.00 per course** will apply to students registered in courses in the Faculty of Management.

**Program/Courses Not Covered by the Above Schedule:**

**Music Studio Courses (Music 2148, 2248, 3348, 3448, 3548, 3648, 4748, 4848):**

Canadian Students: 1,115.20
International Students: 2,173.05

**Practical I (Education 2500):**

Canadian Students: 528.85
International Students: 1,197.45

**Programs/Courses Not Covered by the Above Schedule:**

**Nursing students will be assessed their Canadian Nursing Association Annuals Fee; full time membership is $10 annually and part time membership is $6 annually.**

**1 Students Administrative Fee INCLUDES Student Services fee of $44.50 per course, and Student Copyright Access Fee of $2.50 per course.**

**1 Students/Union Fee components are:**

<table>
<thead>
<tr>
<th>Fee</th>
<th>Full time rates</th>
<th>Part time rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Fund</td>
<td>14.42</td>
<td>5.14</td>
</tr>
<tr>
<td>Recreation Centre Contribution</td>
<td>15.00</td>
<td>7.40</td>
</tr>
<tr>
<td>Operations</td>
<td>30.29</td>
<td>15.12</td>
</tr>
<tr>
<td>Capital Replacement Fund</td>
<td>5.62</td>
<td>2.83</td>
</tr>
<tr>
<td>CKXU Radio</td>
<td>8.19</td>
<td>8.19</td>
</tr>
<tr>
<td>Public Interest Research Group</td>
<td>5.00</td>
<td>5.00</td>
</tr>
<tr>
<td>Campus Women's Centre</td>
<td>1.69</td>
<td>1.00</td>
</tr>
<tr>
<td>Health Plan - 12 months coverage</td>
<td>136.35</td>
<td>68.17</td>
</tr>
<tr>
<td>Dental Plan - 12 months coverage</td>
<td>111.10</td>
<td>55.55</td>
</tr>
</tbody>
</table>

**The Students' Union Health and Dental Plan costs are dependent on quotes from the external insurance carrier and are subject to change. The Students' Union Health Plan is $90.90 and Dental Plan cost is $73.73, both for eight months coverage, for the Spring Semester for full time students admitted in the Spring semester. Contact the Students' Union Office for information on opt-out procedures or refer to the "General Services" section in the Calendar for more information.**

**A non-refundable Confirmation of Admission deposit of $200.00 (for undergraduate students) must be paid to the Cash Office for newly admitted and readmitted undergraduate students. No arrangements whatsoever will be made for this deposit, nor will student loan forms be accepted in lieu of the required deposit.**

**Education Information:**

**Continuation Fee for Students Assigned an Incomplete grade in PS I, PS II or PS III Practica:**

Students who are reassigned to a school for two weeks or less pay a "continuation" fee of half a course fee and anyone serving longer will be assessed a full course fee.

**Part time accounts are charged simple interest at the Bank prime lending rate plus 5% per annum. Interest is calculated and added to the balance owing at the end of the first working day each month.**

**Students who AUDIT COURSES will pay 50% of applicable tuition only, and no other fees.**

Students aged 65 and over (Senior Citizens) do not pay fees except for the Application for Admission fee or Registration fee, if attending as an Open Studies Student.

Students aged 65 and over should contact the Registrar's Office.

Source: Financial Services, December 2014
11. FEE DEADLINES

Interest charges are calculated on any outstanding fees, and added to accounts at the close of the first working day of each successive month that the account remains unpaid.

Newly admitted or readmitted students who have paid only the tuition deposit fee or continuing students who have not made a payment for the applicable semester by October 1 for the fall semester and by February 1 for the spring semester, will have their registration automatically cancelled. For those students who have made partial payments, registration will not be cancelled. Refer to Registration Cancellation (p. 58) for more information.

**Summer Semester 2015**

May 12  
Summer Session I and full-term students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

Jun 1  
Fee deadline date for all sessions in summer semester.

Jul 14  
Summer Session II and III students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

Aug 11  
Summer Session III students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

Aug 15  
Deadline to clear all outstanding accounts for Fall Convocation (see Part 5 - Graduation, Section 2. Outstanding Accounts, p. 89).

**Fall Semester 2015**

Sep 25  
Students’ Union Health and Dental Plan opt-out deadline for students admitted in the Fall 2015 semester.

Oct 1  
Fee deadline date for Fall 2015 semester. After this date, students are assessed full fees (see p. 60).

Oct 1  
Students who withdraw by this date are assessed a percentage of fees (see p. 60).

Oct 1  
Automatic withdrawal of newly admitted or readmitted students who have paid only the tuition deposit.

Oct 1  
Automatic withdrawal of continuing students who have not made any payments towards the Fall 2015 tuition fees.

Nov 15  
Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

Dec 1  
Deadline to clear all outstanding accounts in support of an Application for Graduation for students completing program requirements in the fall semester who wish to have this recorded on their transcript.

Dec 11  
Students who withdraw by this date are assessed full fees (see p. 60).

**Spring Semester 2016**

Jan 22  
Students’ Union Health and Dental Plan opt-out deadline for students admitted in the Spring 2016 semester.

Feb 1  
Fee deadline date for Spring 2016 semester.

Feb 1  
Students who withdraw by this date are assessed a percentage of fees (see p. 60).

Feb 1  
Automatic withdrawal of newly admitted or readmitted students who have paid only the tuition deposit.

Feb 1  
Automatic withdrawal of continuing students who have not made any payments towards the Spring 2016 tuition fees.

Mar 15  
Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

Apr 1  
Deadline to clear all outstanding accounts in order to be permitted to graduate at Spring Convocation (see Part 5 - Graduation, Section 2. Outstanding Accounts, p. 89).

Apr 15  
Students who withdraw by this date are assessed full fees (see p. 60).

**Notes:**
- Academic Schedule is on page 15.
- Admission application and document deadlines are on page 27.
- When a deadline date occurs on a weekend or Statutory or Civic Holiday, the deadline will be the next working day.
Part 4

ACADEMIC REGULATIONS, POLICIES, AND PROGRAM REQUIREMENTS

1. ADVICE AND INFORMATION .................................. 68

2. ACADEMIC REGULATIONS ................................. 68
   a. Grading .................................................. 68
   b. Repeat of a Course ................................. 70
   c. Exceeding Course Limits ....................... 70
   d. Waiver of Prerequisite/Corequisite .......... 71
   e. Academic Standards .............................. 71
   f. Honours Thesis Designation ................. 71

3. GRADE APPEAL POLICY .................................. 72
   a. Definition ............................................ 72
   b. Faculty and School Appeals .................. 72
   c. Appeals to General Faculties Council (GFC) .... 72
   d. Committee Procedure ......................... 72

4. STUDENT DISCIPLINE POLICY - ACADEMIC OFFENCES .......... 73
   a. Introduction ....................................... 73
   b. Plagiarism .......................................... 73
   c. Cheating ........................................... 73
   d. Duplication ........................................ 73
   e. Confidential Materials ....................... 73
   f. Misrepresentation .............................. 73
   g. Other Offences .................................. 73
   h. Discipline Procedures ......................... 73
   i. Procedures and Penalties ..................... 73
   j. Appeals of an Instructor’s Decision ......... 74
   k. Severe Penalties - Suspension and Expulsion ... 74
   l. Suspension/Expulsion ......................... 74
   m. Discipline Committee ......................... 75

5. STUDENT DISCIPLINE POLICY - NON-ACADEMIC OFFENCES ....... 75
   NOTE: Urgent Situations ......................... 75
   a. Introduction ....................................... 75
   b. Disruption .......................................... 75
   c. Abuse, Harassment and Dangerous Activity ... 76
   d. Misuse or Misappropriation of University Property, Equipment, Facilities or Services ... 76
   e. Misrepresentation and Falsified Documents .... 76
   f. Other Offences .................................... 76
   g. Initiation of Procedures ....................... 76
   h. Procedures: Non-Academic Offences in Instructional Space, Research Facilities or Library ........ 76
   i. Procedures: Non-Academic Offences Outside Instructional Space, Research Facilities or Library ...... 77
   j. Suspension/Expulsion ............................ 77
   k. Referral to Civil Authorities ................... 78

6. CAVEAT - AUTHORITY TO RESCIND REGISTRATION PRIVILEGES/PROHIBIT ACCESS TO UNIVERSITY PROPERTY .......... 78

7. APPEAL OF APPLICATION OF POLICY OTHER THAN GRADE OR STUDENT DISCIPLINE ...................................................... 78

8. ASSESSMENT OF STUDENT LEARNING POLICY AND PROCEDURES FOR UNDERGRADUATE COURSES .................................................. 78
   a. Course Outline .................................... 78
   b. Expectations of Students ....................... 79
   c. Scheduling of Assessments .................... 79
   d. Conduct of Examinations ..................... 80
   e. Ownership, Confidentiality, and Posting of Grades .............................................. 81
   f. Handling of Materials after Student Assessment is Complete ................................... 81

9. OTHER POLICIES ............................................. 81
   a. Art Placement Policy ................................ 81
   b. Computer Use Policy ............................. 81
   c. Confidentiality of Student Records Policy .............................................. 81
   d. Library Access Policy ............................ 81
   e. Library Code of Conduct ...................... 81
   f. Managing Unacceptable Behaviour by External Users of University Facilities .................. 81
   g. Personal Security Policy ....................... 82
   h. Policy Against Hazing ............................ 82
   i. Revoking Degrees ................................ 82
   j. Student Behavioural Incident Policy and Protocol .............................................. 82
   k. Student Housing Policy ....................... 82
   l. Students With Disabilities Policy .......... 82
   m. Taping of Lectures .............................. 82
   n. Other Policies ...................................... 82

10. PROGRAM REQUIREMENTS .................................. 83
    a. Residence Requirements and Time Limits .......... 83
    b. General Liberal Education Requirement .......... 83
    c. Full 12-Course General Liberal Education Requirement .............................................. 84
    d. Modified General Liberal Education Requirement .............................................. 84
    LIST I: Fine Arts and Humanities Courses .............................................. 84
    LIST II: Social Science Courses .............................................. 85
    LIST III: Science Courses .............................................. 85
1. ADVICE AND INFORMATION
A student may obtain further information about academic regulations from the Faculty in which that student is registered. It is the responsibility of each student to be familiar with the academic regulations.

2. ACADEMIC REGULATIONS
All students are bound by the academic regulations contained in the most current Calendar, regardless of the Calendar they are following for program requirements.

a. Grading
An instructor bears full responsibility for evaluating the academic performance of students. An instructor must indicate at the beginning of each course, in writing, the detailed manner by which work will be evaluated and the final grades derived and, upon request, communicate to students an estimation of their levels of performance by the end of the eighth week of the semester. An instructor may prescribe a variety of forms of evaluation, such as recitations and papers, mid-term examinations and a final examination.

Final grades are determined in accordance with the grading system described in this Calendar. All grades for courses and Independent Studies are submitted to the Office of the Dean of the Faculty offering a course by the date set in the Academic Schedule. Except when a Course Incomplete has been approved by both the instructor and the Dean, there is no provision for the late submission, revision or evaluation of students' work after the final grade submission deadline. There is no provision for the late submission of final grades. Grade changes can be submitted by the instructor up to two months following the grade submission deadline (i.e., fall term grade submission deadline in December - grade change permitted until February 28 of the following term). The 'I' designation must be converted by the instructor to a final grade within a maximum of one year. (See 'I' - Incomplete in Part 4 - Academic Regulations, Section 2.a.2)

b. Grade Point Average in the University of Lethbridge Record
The current GPA is printed on the official transcript. The current GPA is calculated on all graded courses completed in a given term. The cumulative GPA is the average of all graded courses completed at the University of Lethbridge at a given level (undergraduate or graduate). The cumulative GPA is calculated but does not appear on the official transcript.

Other types of GPA calculations:
Administrative units at the University may calculate a variety of averages in order to determine eligibility for scholarships and awards, academic standing, admission, graduation, etc. When making their calculations, units may include grades for courses transferred from another institution and grades hidden by the Credit/N on-Credit designation. In addition, they may choose to exclude certain grades on both University of Lethbridge and transfer courses from the GPA calculations.

Additional GPA calculations include academic standing GPA, admission GPA, awards GPA, Faculty GPA, major GPA, prerequisite GPA, program GPA and residence GPA. Note that these calculations are defined by the unit which uses the GPA.

There are certain courses which are not included in the calculation of the current or cumulative GPA. These include courses transferred from another institution; the first attempt for a repeated course; and courses in which there are non-grade designations such Credit/N on-Credit.

In the case of courses designated as Pass/Fail, a 'P' or 'Pass' is not included in the calculation of the current or cumulative GPA, but an 'F' or 'Fail' is included in the GPA calculation.

Example:
<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Weighting Factor</th>
<th>Total Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology 1000</td>
<td>A</td>
<td>4</td>
<td>3.00</td>
</tr>
<tr>
<td>English 1900</td>
<td>B</td>
<td>3</td>
<td>3.00</td>
</tr>
<tr>
<td>Mathematics 1560</td>
<td>C</td>
<td>2</td>
<td>3.00</td>
</tr>
<tr>
<td>Physical Activity 2130</td>
<td>A</td>
<td>4</td>
<td>1.50</td>
</tr>
<tr>
<td>Physics 1000</td>
<td>D</td>
<td>1</td>
<td>3.00</td>
</tr>
</tbody>
</table>

The total grade points divided by the total weighting factor = the GPA.

\[ \frac{36.00}{13.50} = 2.67 \text{ GPA} \]

Non-Grade Designations (no grade points assigned):
- AI - Administrative Incomplete
- AU - Audit
- I - Incomplete
- Cr - Credit
- NC - N on-Credit
- P - Pass
- W - Withdrawal
- WC - Withdrawal with Cause
- X - Continuing
- X - Permanent
AI - Administrative Incomplete

The designation of 'AI' is recorded at the time all grades are released for a given term by the Registrar, if the grade assigned by the instructor of a completed course has not been received by the deadline. The 'AI' is replaced by the letter grade as soon as it is received. The 'AI' designation is temporary, must be replaced by a grade as soon as possible and may not be used in lieu of an Incomplete designation.

AU - Audit

The non-grade AU designation is awarded in the case where a student has been granted permission by an instructor to audit a course. The course appears on the transcript as 'AU' (Part 2 - Registration, Section 3.e., p. 52).

I - Incomplete

The designation of 'I' is awarded only in case of illness or other extenuating circumstances beyond the control of the student, which make it impossible to complete the required work by the close of a semester. The 'I' designation is awarded only on application to and approval of both the instructor and the appropriate Dean and such application is not entertained until the last two weeks of classes. When the 'I' is approved, an appropriate deadline is determined for completion of outstanding work. A student who does not complete outstanding work by the assigned deadline will normally receive an 'F' in the course.

The 'I' designation may be converted by the instructor to a letter designation within a maximum of one year, if not so converted, it becomes an 'F' except where circumstances continue to prevent the completion of the course, in which case the 'I' designation remains on the transcript.

An 'I' designation assigned in an Education Field Experience course has a different interpretation. Details are available from the Assistant Dean, Student Program Services, Faculty of Education.

Under no circumstance will an 'I' designation be assigned to any Nursing practice or Public Health practicum course (Nursing 1220, Nursing 1320, Nursing 2150, Nursing 2255, Nursing 4510, Nursing 4511, Nursing 4520, Nursing 4530, Nursing 4750, and Public Health 4550). Please see an Academic Advisor in the Faculty of Health Sciences for details.

W - Withdrawal

A designation of 'W' may be recorded at any time after the Add/Drop period, up to last day of classes. The 'W' designation shall be awarded only upon formal application by the student or his/her agent to the Registrar in writing. Students are responsible for ensuring that the Registrar's Office receives the request for withdrawal by the relevant deadline.

WC - Withdrawal with Cause

The designation 'WC' is recorded only in case of serious illness or other extenuating circumstances beyond the control of the student, which make continuation in a course impossible and where an 'Incomplete' designation is not in order. For admitted students, the 'WC' is recorded only on application to the Faculty Advising Office. For Open Studies students, the 'WC' is recorded upon application to the Associate Registrar.

Prior to readmission, students who are granted a complete 'Withdrawal with Cause' may be requested to provide evidence that the conditions which led to the complete withdrawal (WC) have been identified and addressed. Coordination among units, including Academic Advising, Counselling Services and Admissions must take place.

X - Continuing

Used only for courses which may extend beyond one semester. Eligible courses are designated by the Faculty offering the course. Signifies that a grade will be awarded at the conclusion of the course and will replace the 'X' on the student's transcript.
Used for placeholder courses to indicate that the student is active in the program but is not taking courses in a given term or is taking credit courses at another institution, under the appropriate authorization.

Also used in an Undergraduate Thesis course (4995) when a student elects to complete the course over two semesters. This grade designation is assigned to the first semester.

Cr/NC - Credit/Non-Credit
A student may elect to designate some courses as Credit/Non-Credit. This alternative is designed to encourage students to expand their academic interests by taking courses outside their field of major interest. Credit/Non-Credit is not available to Open Studies students.

For completion of course requirements with a grade of 'C' or higher, the grade earned appears on the transcript automatically. If a grade between 'C-' and 'D' (inclusive) is earned, a 'C-' appears on the transcript. If a grade of 'F' is earned, an 'NC' appears on the transcript.

Students may designate courses as Credit/Non-Credit according to the following limits:

- All single and combined degrees programs:
  - 0 transfer credit
  - 1.5 - 30.0 transfer credit hour equivalents
  - 31.5 - 60.0 transfer credit hour equivalents
- All post-diploma programs, with or without transfer credit
- All post-diploma combined degrees programs, with or without transfer credit
- All certificate programs and the Professional Diploma in Accounting, with or without transfer credit
- All second degree programs, with or without transfer credit

A student is further limited in the number of Credit/Non-Credit designations made per term. In the fall and spring semesters, a student may elect Credit/Non-Credit in a maximum of two courses. In the summer session, a student may elect Credit/Non-Credit in a maximum of one course per session. Once a course is designated Credit/Non-Credit, it counts toward the maximum, irrespective of the outcome.

The Credit/Non-Credit alternative may not be elected in courses constituting the student's major, specialization or minor, required courses in Education and specifically-required, non-Management courses. Education students may elect a maximum of three Education courses as Credit/Non-Credit. For the purpose of this regulation, Management courses are regarded as the major for the B.Mgt. degree, Nursing courses are regarded as the major for the B.N. degree, Public Health and Health Sciences courses are regarded as the major for the B.H.Sc. (Public Health major) program, and Health Sciences courses are regarded as the major for the B.H.Sc. (Addictions Counselling major) program.

No courses carrying a 'Credit' designation may be used to meet requirements where the Credit/Non-Credit designation is specifically prohibited in the Calendar. Faculties may allow substitutions for designated courses at their discretion, but must consider the records of such students as deficient.

Note: Credit (Cr) designations are often counted by other institutions as equivalent to 'D' grades. Non-Credit (NC) designations are often counted by other institutions as equivalent to 'F' grades. Students in pre-professional and other transfer programs, and students planning to apply to graduate or professional schools, should consider this carefully before electing this option.

A student may not use a Credit/Non-Credit designations to replace a grade earned previously.

P - Pass/Fail Courses
Certain courses are specified as Pass/Fail in the course descriptions. For such courses, students are awarded the designation 'P' or the grade 'F'. The designation 'P' indicates satisfactory completion of the objectives of a Pass/Fail course. When a student is awarded the designation 'P', the course is included in the computation of the grade point average; when the student is awarded 'F', the course is included in computation of the GPA.

Note: Students in pre-professional transfer programs are advised that some institutions do not recognize courses for which grades are not assigned. The designation 'P' is not considered to be a grade.

b. Repeat of a Course

At the University of Lethbridge, a student may repeat a course previously taken. A grade may be improved by completing either the course or its equivalent.

- Students wanting to improve their grade in an Independent Study, Series or Topics course must repeat the section with the identical title.
- Courses that are equivalent are denoted with an 'Equivalent' course element in the course description and include courses that have been renamed or renumbered, and Topics or Series courses that have been regularized.

1. If a student repeats a course, the grade for each attempt is recorded on the transcript.
2. Students may not have grades and credit hours for more than one attempt calculated in the GPA. Students who have repeated a course must submit a Repeated Course Form (available at the Registrar's Office).
3. Then only the grade and credit hours for the most recent attempt are computed in the GPA.

A student may not use a Credit/Non-Credit designation to replace a previously earned grade.

c. Exceeding Course Limits

In the case where a student exceeds any legislated course limit(s), the credit hours required in the student's program will be increased by the number of credit hours completed in excess of the limit(s). Examples of such legislated course limits include the maximum number of Activity, Independent Study, or Introductory courses allowed in a program.

1. Substantially Similar Course Limits
Substantially similar courses contain a high percentage of similar course content and are denoted with a 'Substantially Similar' course element in the course description. Students who complete two substantially similar courses will receive credit
for both courses. However, the required credit hours in the student’s program will be increased by the number of credit hours of the substantially similar course. For example, if a student in a 40-course program (120.0 credit hours) takes two 3.0 credit hour-courses that are substantially similar, that student must complete 123.0 credit hours.

2. Limitation on the Impact of a Single Course
   If a single course causes the student to exceed more than one limit, the student’s program will be increased by one course (3.0 credit hours) only. For example, a student who completes History 1000 and History 1200 (which are substantially similar) would have his/her program increased by one course (3.0 credit hours). If completion of History 1200 also causes the introductory course limit to be exceeded by one course (3.0 credit hours), the program would not be increased further.

d. Waiver of Prerequisite/Corequisite
   Students may possess some educational experience that provides much of the background usually acquired in a prerequisite or corequisite to a particular course. In such cases, the student may seek the permission of the Faculty to waive the prerequisite(s) and/or corequisite(s) for that course.
   Application for a prerequisite/corequisite waiver must be made through the Department offering the course. Once written permission is received from the Faculty, a student may register in a course without having completed the prerequisite(s) and/or corequisite(s). Students do not receive credit for the waived prerequisite(s) or corequisite(s).

   If a prerequisite or corequisite course is specifically required in a program or major, it must be registered and completed at some point unless a substitution has been approved by the Dean. In the case of courses required for the major, substitutions must be recommended to the Dean by the Department/Academic Unit.

e. Academic Standards
   1. Undergraduate Student in Good Standing
      To be in good standing, an undergraduate student must maintain the following minimum cumulative GPA:

      | Number of completed courses (includes transfer courses) (U of L) | GPA |
      |---------------------------------------------------------------|-----|
      | 1-10                                                          | 1.70|
      | 11-20                                                         | 1.85|
      | 21-40                                                         | 2.00|

      Students should be aware that some Faculties require higher levels of performance in certain courses or semesters. Students are referred to detailed statements by Faculties in relevant Parts of this Calendar.

   2. Probationary Student
      If the cumulative GPA falls below the required levels, the student is placed on academic probation and is subject to program restrictions.

      In some cases a student may be admitted as probationary because a previous academic record is either deficient in some respect, below the standard ordinarily required or difficult to assess.

3. Required Withdrawal From the University
   Students may be required to withdraw on two academic grounds: (1) academic indices or (2) consecutive semesters on probation.

   Students shall be required to withdraw for academic reasons from University of Lethbridge programs only following the spring semester.

   a. Required W ithdrawal - Academic Indices
      Students who have completed six courses and whose cumulative GPA, at the end of the spring semester, falls below the following indices are required to withdraw from the University:

      | Number of completed courses (includes transfer courses) (U of L) | GPA |
      |---------------------------------------------------------------|-----|
      | 6-10                                                          | 1.50|
      | 11-20                                                         | 1.70|
      | 21-30                                                         | 1.85|
      | 31-40                                                         | 2.00|

   b. Required W ithdrawal - Semesters on Probation
      Students who, at the end of the spring semester, have remained on academic probation for two or more consecutive semesters, are required to withdraw from the University.

      Students should be aware that regulations pertaining to required withdrawal may vary depending on the Faculty. Students are referred to their respective Faculty for details on these regulations.

4. Required W ithdrawal From Program/Major
   Where demand for access exceeds program/major capacity, Faculties reserve the right to set academic standards for continuation in a specific program or major. A student who is not eligible to continue in a program/major, but whose academic performance does not warrant required withdrawal from the Faculty or the University, is guaranteed a seat in a related program/major for which the student is qualified and which is offered by that Faculty.

f. Honours Thesis Designation
   Undergraduate Thesis courses will be designated by the same number in all disciplines: 4995.

   Undergraduate Thesis courses will carry the subject code for the discipline (e.g., PHIL). These courses will carry the title Undergraduate Thesis. Undergraduate Thesis courses will be 6.0 credit hours, and tuition fees will be assessed on the regular fee basis.

   Prerequisites will include: (1) fourth-year standing (a minimum of 90.0 credit hours) and (2) a cumulative GPA specified by the Faculty.

   Any disciplinary requirements beyond those prescribed for the major are included as prerequisites for the undergraduate thesis courses and appear in this Calendar under the undergraduate thesis course listing (see Part 14 - Courses).

   The grading mode will be standard letter grading. Credit/Non-credit is not available.

   A minimum grade approved by the Faculty Council must be achieved in order to attain the Honours Thesis designation. A student who achieves a grade of ‘D’ or higher, but not the designated minimum grade in this course, or who fails to meet any other requirement for
the Honours Thesis designation, will retain credit for the equivalent of two courses (6.0 credit hours) under the course title of 'Undergraduate Thesis' but will not be eligible for the 'Honours Thesis' designation.

For information regarding the Honours Thesis designation and Undergraduate Thesis courses for the B.A., B.Sc., and BASc. degrees, see Part 7 - Arts and Science, Section 10, p. 101.

For information regarding the Honours Thesis designation and Undergraduate Thesis courses for the B.F.A. - Art degree, see Part 9 - Fine Arts, Section 8.a.2., p. 175, and for the B.F.A. - New Media degree, see Part 9 - Fine Arts, Section 8.e.2., p. 183.


For information regarding the Honours Thesis designation and Undergraduate Thesis courses for the B.Mgt. degree, see Part 11 - Management, Section 5., p. 208.

3. GRADE APPEAL POLICY

a. Definition

Grade appeals deal with claims that a student's course grade has been improperly determined. Student appeals will be directed to the Dean of the Faculty in which the course is taught.

In this policy, 'instructor' shall indicate instructor/supervisor, and 'Faculty' shall indicate Faculty.

b. Faculty and School Appeals

1. The student is not required to inform the instructor(s) of an intention to appeal, but, before initiating a grade appeal, the student must have discussed the grade and how it was determined with the instructor(s). If the Dean of the Faculty is satisfied that the instructor(s) was not available for this discussion, the Dean shall allow the appeal to proceed without it.

2. All grade appeals must be initiated by completion of a Grade Appeal Form, which must be received and signed by the Dean by the following dates immediately following completion of the course: fall semester courses - February 7; spring semester courses - June 7; summer session courses - October 7.

3. The Grade Appeal Form must explain why the student believes that the grade was improperly determined. The Dean's signature on the Grade Appeal Form indicates that the student has discussed the merits of the grade appeal with the Dean, who is also charged with explaining the procedures connected with the grade appeal.

4. The Dean shall immediately forward the appeal to the Faculty Grade Appeal Chair and send signed copies of the Grade Appeal Form to both the instructor(s) and the student.

5. The Chair shall immediately request both instructor(s) and student to submit any relevant documentation pertaining to the appeal, and indicate in writing the name of the Faculty member or student agreeing to serve on the Grade Appeal Committee.

6. The instructor(s) and student must each submit relevant documentation and the names of those willing to serve on the Committee no later than 14 days after the Chair's request, after which period the Dean may act on behalf of either the instructor(s) or the student.

7. The Faculty Grade Appeal Committee shall reach a decision no later than 30 days following the striking of the Committee.

8. The Chair of the Faculty Grade Appeal Committee shall deposit the file relating to an appeal with the Dean within 10 days following an appeal decision by the Committee. The Dean shall immediately notify in writing the instructor(s) and student of the Committee's decision.

c. Appeals to General Faculties Council (GFC)

1. Either the student or the instructor(s) may appeal the decision of a Faculty Grade Appeal Committee to GFC. The appeal must be submitted to the Secretary of GFC no later than 30 days after the decision of the Faculty Grade Appeal Committee has been mailed.

2. The GFC shall reach a decision regarding the appeal no later than 30 days after the date that the appeal was received by the Secretary of GFC.

3. The authority of GFC regarding grade appeals shall be delegated to the GFC Grade Appeal Committee, appointed by GFC. The GFC Grade Appeal Committee shall consist of two faculty members, an alternate, and be chaired by the Provost & Vice-President (Academic). Members should be selected from two different Faculties with experience on Faculty Grade Appeal Committees. Appointments to the GFC Grade Appeal Committee shall be for three years, staggered to provide continuity. The GFC Grade Appeal Committee shall determine its own procedures.

4. The Chair of the GFC Grade Appeal Committee shall deposit the file relating to an appeal with the appropriate Dean, with a copy to the Secretary of GFC within 10 days of the decision of the Committee regarding the appeal. The Secretary of GFC will communicate immediately in writing the decision of the Grade Appeal Committee to the student, instructor(s), Dean(s), Registrar and the Department.

d. Committee Procedure

(Faculty Grade Appeal Committee and Grade Appeal Committee of General Faculties Council)

1. The Grade Appeal Committee shall determine its own procedures. That said, it is understood that the instructor(s) and the student shall have opportunity to make presentations to the Committee in writing, orally or both. Both the instructor(s) and the student shall have the right to cross examine any persons who have been asked by the Committee to speak. Written submissions shall be shared.

2. Decisions of a Grade Appeal Committee shall be made by a majority vote.
In the case of the Faculty Grade Appeal Committee, no member of the Committee shall act as an advocate for either the student or the instructor(s) or otherwise act as a representative of some factional interest. Should the Chair of the Committee believe that the deliberations of the Committee suffer from a lack of objectivity on the part of one or more of its members, the Chair shall so inform the Dean. Following such information from the Committee Chair, the Dean may withdraw responsibility for considering the appeal from this Committee. Where the Dean withdraws responsibility for considering an appeal from a Committee, the Dean shall, following consultation with the student and instructor(s), appoint two members to a new Faculty Grade Appeal Committee who, together with the Chair, shall assume responsibility for considering the appeal.

A Grade Appeal Committee is not restricted in its decision to finding either for or against the request of any appeal, but may award any letter grade or any available non-grade designation. This means the Faculty and GFC Grade Appeal Committees can adjust grades up or down, or change a grade designation to a non-grade designation. In the event that an ‘Incomplete’ is awarded, the Committee must prescribe the procedure by which the ‘Incomplete’ will be converted into a letter grade or non-grade designation.

A written report supporting any Faculty Grade Appeal Committee decision must be submitted in every case. The report of the Faculty Grade Appeal Committee shall include a summary of the Committee’s rationale for the decision. Where the Committee’s decision is not unanimous, the report may contain, but is not required to contain, a dissenting opinion.

After a grade appeal is completed, personal materials must be returned to the instructor(s) and student.

The decisions of the GFC Grade Appeal Committee shall be final.

4. STUDENT DISCIPLINE POLICY - ACADEMIC OFFENCES

a. Introduction
The integrity of the University and of the degrees the University confers is dependent upon the honesty and soundness of the teacher-student relationship, as well as the integrity of the evaluation process. Conduct by any student that adversely affects this relationship or process represents an academic offence. The following describes the principal academic offences and procedures for their investigation and penalization. This policy pertains to such conduct where it involves any person registered in a University course (credit or non-credit).

b. Plagiarism
No student shall represent the words, ideas, images or data of another person as his or her own. This regulation will affect any academic assignment or other component of any course or program of study, whether the plagiarized material constitutes a part or the entirety of the work submitted.

c. Cheating
1. In the course of an examination, no student shall obtain or attempt to obtain information from another student or other unauthorized source, or give or attempt to give information to another student, or knowingly possess, use or attempt to use any unauthorized material.
2. No student shall represent or attempt to represent oneself as another or have or attempt to have oneself represented by another in the taking of an examination, preparation of a paper or other evaluated activity.

d. Duplication
No student shall submit in any course or program of study, without both the knowledge and approval of the person or persons to whom it is submitted, all or a substantial portion of any academic assignment for which credit has previously been obtained or which has been or is being submitted in another course or program of study in the University or elsewhere. (This clause is not intended to prevent the integration of learning but, rather, to prevent duplication of credit for a body of work.)

e. Confidential Materials
It is an offence knowingly to procure, distribute or receive any confidential academic material such as pending examinations or laboratory notebooks.

f. Misrepresentation
It is an offence knowingly to misrepresent material facts to another for the purpose of obtaining academic advantage or credit. One example of this offence occurs whenever a student submits in any course or program of study any academic assignment containing a statement known by the student to be false or a fabricated reference to non-existent sources or documents.

g. Other Offences
1. Any other conduct by a student which adversely affects the integrity of the instructor-student relationship and/or the evaluation process will be considered an academic offence.
2. Faculties and Schools may define and must publicize any other academic offences specific to a given program, together with attendant penalties. A statement of such offences and penalties must be approved by the General Faculties Council.

h. Discipline Procedures
In this policy, ‘instructor’ shall indicate instructor/ supervisor.
Any member of the University community who believes that a student has violated academic regulations may initiate proceedings against the student.
1. An instructor who believes that a student has committed an academic offence should proceed according to Section i. Procedures and Penalties section below.
2. Any other person who believes that a student has committed an academic offence should communicate to the instructor of the affected course the particulars of the time and place and provide a brief summary of the alleged misconduct. Where the alleged academic offence does not
involve a specific course, the allegation of misconduct should be directed to the Dean of the program in which the student is registered.

i. Procedures and Penalties

1. The instructor must review the alleged offence with the student and shall advise the student to refer to the Discipline Policy.

2. Where the instructor has reason to believe that an offence has been committed, he/she must impose a written reprimand in which a summary of both the offence and additional penalty, if any, is included. Penalties in addition to a letter of reprimand in the file may be imposed. Such penalties are less severe than suspension or expulsion, insofar as the student's admission/registration status is maintained. In addition to the reprimand, the instructor may impose one or more of the following additional penalties:
   a. Additional work.
   b. Grade reduction in or rejection of the assignment.
   c. Grade reduction in the course.
   d. A grade of 'F' in the course. If a student is given a grade of 'F', then the student is no longer registered in that offering of the course and no longer has classroom privileges (see Part 2 - Registration). Should a student elect to appeal this penalty, the student will remain registered until the appeal is decided. See Section j. below for information regarding the appeal process.

The instructor shall forward a copy of the written reprimand to the Dean for inclusion in the student's file in the Registrar's Office. The Registrar shall inform the Dean if there is a previous reprimand in the student's file.

At the discretion of the Dean, a student with a previous academic offence on file may be subject to further disciplinary action. Such action will be progressive, aimed at correcting inappropriate academic behaviour and could include penalties ranging from a recommendation of a grade reduction to suspension or expulsion. The Dean may refer such a case to the GFC Discipline Committee when a penalty listed above has been applied. The Dean has the option of referring a case to the GFC Discipline Committee, even in cases where there is no appeal by the student.

j. Appeals of an Instructor’s Decision

Within seven working days of receipt of the written statement described immediately above, the student may challenge either the accusation of having committed an offence or the penalty imposed by an instructor for an offence by submitting a written appeal to the Dean. The Dean shall review the case and either uphold the instructor’s decision, reduce the penalty, or dismiss the case. The Dean shall inform the student and instructor in writing of this decision. If an allegation of an academic offence is dismissed, the written notice in the student's file shall be destroyed. The Dean’s decision regarding the appeal of the instructor’s decision shall be final.

k. Severe Penalties - Suspension and Expulsion

Severe penalties including suspension and expulsion may be imposed and result in a student losing his/her admission/registration status. See Section l. Suspension/Expulsion below

l. Suspension/Expulsion

1. Suspension

Suspension requires a student to withdraw completely from the University for a specified period of time, to a maximum of three years. Upon expiry of the period of suspension, the student will be permitted to reapply to the program from which he or she was suspended, subject to the appropriate admission standards and requirements applicable at the time of reapplication.

2. Expulsion

Expulsion requires a student to withdraw completely from the University for an indefinite period of time. The student shall not be permitted to return without the written approval of the Provost & Vice-President (Academic) in consultation with the Dean of the program from which the student was expelled. Such approval shall not normally be given before the expiry of three years.

3. Procedures

a. If the instructor considers that the case requires suspension or expulsion, he/she shall make such recommendation in writing to the Dean, outlining the particulars of the case, with a copy to the student. The instructor shall advise the student to seek advice from his/her Faculty Advisor and/or the Registrar.

b. If the Dean considers that suspension or expulsion is in order, he/she shall so notify the Discipline Committee in writing, with a copy to the student. The Discipline Committee shall hear the case and will have the authority to expel, suspend, implement a lesser penalty or dismiss the case.

c. During the period from the time of any recommendation of suspension or expulsion until the point of a final decision, the student shall receive a grade of ‘Incomplete’ for the course in which the charge was laid. This includes the time until an appeal has been heard. A student shall be allowed to continue his/her program of study until a decision is finally rendered. There will be no loss of credit for courses taken during this period of time.

d. In the event that the decision affects the graduation status of the student, the decision regarding the offence shall be rendered as soon as possible. Nonetheless, where delay in reaching the decision results in postponement of graduation, the University will not be held responsible unless the decision has been unreasonably withheld.
m. Discipline Committee

1. Composition
The Discipline Committee shall consist of the Provost & Vice-President (Academic) or designate as Chair, two faculty members appointed by the General Faculties Council and two student members nominated by the Students’ Union or Graduate Students Association. One alternate faculty member and one alternate student member shall also be appointed and will be invited to serve in the event that Committee members are unable to do so.

2. Quorum
A quorum shall consist of four, to include the Chair plus a minimum of one faculty and one student member.

3. Conflict-of-Interest
To encourage impartiality, Committee members shall not serve during investigations of students with whom they have familial or other close associations. Faculty members shall not serve during investigations of students currently taking courses taught by that Faculty member.

The Chair shall rule on the eligibility of Committee members in cases regarding potential conflict-of-interest.

4. Procedures
The Discipline Committee shall set its own procedures for investigation, subject to the following guidelines:

a. The Chair shall inform the student in writing of the academic regulation which is alleged to have been violated and the possibility of suspension or expulsion. The student shall be informed (by Registered Mail), at least 14 days prior to the date of the hearing, of the date, time and place of the hearing and notified that if the student does not appear, the Committee may hear the case in the student's absence.

b. The student may be accompanied by an advisor, or represented by a designate, who may speak on the student's behalf and/or the student may submit a written statement.

c. The Chair shall notify the Dean and the instructor who lodged the original complaint, of the date, time and place of the hearing, together with a copy of any written submission from the student and shall request the Dean’s/instructor's attendance at the hearing.

d. The student, his/hers advisor or designate and the Dean/instructor shall have the right to cross-examine any persons who have been asked by the Committee to speak and may call forward witnesses or other persons.

e. The hearing shall be in camera. A confidential record of the hearing shall be kept.

5. Decision of the Discipline Committee
At the conclusion of the hearing, the Discipline Committee shall decide by majority vote whether suspension, expulsion or a lesser penalty is warranted. The Committee shall take into consideration the disciplinary record of the student.

The Discipline Committee shall prepare a brief summary of the evidence and arguments presented, the decision of the Committee and the rationale for the Committee’s decision. This document shall be signed and delivered within seven days of the conclusion of the hearing to the University President, who shall communicate the same to the student.

If the student is to be suspended or expelled, the date of implementation shall be set by Registered Mail. A copy of the Discipline Committee's report shall be placed in the student's file in the Registrar's Office and a copy shall be sent to the Dean. A notation concerning suspension or expulsion shall be placed on the student's transcript.

6. Appeals of the Decision of the Discipline Committee
Within 30 days of receipt of the notice described immediately above, the student may appeal in writing to the Board of Governors a decision of the Discipline Committee. The Board of Governors decision regarding the case shall be final.

5. STUDENT DISCIPLINE POLICY - NON-ACADEMIC OFFENCES

NOTE: Urgent Situations
Notwithstanding the information below, in the context of non-academic offences, any member of the University community who becomes aware of an urgent situation and has reasonable cause to believe that serious harm to individuals may result must immediately notify the Director, Security and Parking (telephone: 403-329-2345) or call 911.

a. Introduction

The integrity of the University community depends upon student conduct which upholds the Principles of Student Citizenship (see p. 11). Basic principles of academic integrity include: "honesty in learning, teaching, research, service; respect for . . . colleagues, instructors, and administration . . . responsible for upholding the integrity of scholarship and research." A more complete description of fundamental principles is found on p. 11.

The following describes the principal non-academic offences and procedures for their investigation and penalization. This policy pertains to such conduct where it involves any person registered in a University course (credit or non-credit).

b. Disruption

1. Students should maintain the freedoms of other members of the University community including freedom of thought, beliefs, opinion, expression, peaceful assembly and association. Behaviour contravening or limiting these freedoms constitutes disruption.

2. Student conduct which unduly interferes with instruction including scheduled lectures, seminars, tutorials or other instructional activities, or with course examinations or other evaluation procedures will also be considered a disruption.

3. Student conduct which unduly interferes with learning and studying in the University Library will be considered disruption.
c. Abuse, Harassment and Dangerous Activity
   1. Abuse
      a. A student shall not threaten or engage in physical abuse of any other member of the University community, his/her property, or his/her family. No member of the University community shall be placed in a situation of fear of physical abuse or fear of damage to his or her property. A student shall not knowingly incite others, by whatever means, to threaten by physical abuse or engage in physical abuse of individuals or groups of individuals within the University community.
      b. A student shall not engage in verbal abuse of any other member of the University community. A student shall not knowingly incite others, by whatever means, to engage in verbal abuse of individuals or groups of individuals within the University community.
   2. A student shall not harass or discriminate against any other member of the University community on the basis of age, race, colour, ethnicity, national origin, philosophical or religious affiliation or belief, sex, sexual orientation, marital status or physical disability.
   3. Students formally representing the University of Lethbridge outside the University community and/or at a University-sponsored event may be subject to discipline under the Non-Academic Offences section of the Calendar.

d. Misuse or Misappropriation of University Property, Equipment, Facilities or Services
   1. A student shall not convert, damage or destroy any University property, equipment, facility or service.
   2. A student shall not deface the exterior or interior of any building, structure or facility of the University.
   3. A student shall not misuse a facility by gaining unauthorized entry or by remaining in a facility without appropriate authority. Facilities include, but are not limited to, all University buildings, structures, parking lots, athletic playing fields and lands.
   4. A student shall not misappropriate any University property, equipment, facility or service.

e. Misrepresentation and Falsified Documents
   1. A student shall not submit, or cause to have submitted, false or misleading documents in support of any University activity.
   2. A student shall not produce and/or use falsified University documents for any purpose.

f. Other Offences
   Any other conduct by a student which adversely affects the safety of the University community and/or its members will be considered a non-academic offence.

g. Initiation of Procedures
   1. Any member of the University community who believes a student has committed a non-academic offence may, by a signed statement, initiate proceedings against that student.

h. Procedures: Non-Academic Offences in Instructional Space, Research Facilities or Library
   1. When a student disrupts instructional activities, the instructor may exclude the student immediately from instructional space and/or from future scheduled instructional meetings of that course pending further actions by the Dean. When a student disrupts research activities, the instructor may exclude the student immediately from research areas pending further actions by the Dean. The instructor must immediately notify the Dean of the Faculty in which the course is offered or in which the research is being undertaken. Such notification must be by means of a signed statement as per Section g.2 above. Once the statement is received, the Dean will notify both the Director, Security and Parking and the Registrar and provide each of them with a copy of the signed statement.

   When a student disrupts learning, research activities or operations in the Library, Library staff may exclude the student immediately from the Library. Staff must immediately notify the University Librarian or designate, the Director, Security and Parking, and the Registrar. Such notification will consist of a signed statement as per Section g.2 above.

   2. Actions
      The Dean or University Librarian will take the following actions:
      • Meet with the student and advise the student to refer to the Non-Academic Offences section in the Calendar.
      • Consult and coordinate with Security Services, Counselling Services and others as required.
      • Place a letter of reprimand in the student’s file in the Registrar’s Office. The Registrar shall inform the Dean or University Librarian if the student has a previous reprimand in his/her file.

   3. Penalties
      Penalties in addition to a letter of reprimand in the file may be imposed. Such penalties are less severe than suspension or expulsion, insofar as the student’s admission/registration status is maintained.
a. By the Dean, exclusion from one or more courses for a defined number of meetings or to the end of the semester
b. By the Dean, exclusion from all courses for a defined number of meetings or to the end of the semester
c. By the University Librarian, reparations
d. By the University Librarian, suspension of Library privileges
e. By the University Librarian, exclusion from the Library

At the discretion of the Dean or University Librarian, a student with previous non-academic offences on file may be subject to further disciplinary action. Such action will be progressive, aimed at correcting inappropriate behaviour in the locations identified above and may include penalties ranging from a recommendation of simple exclusion to severe penalties such as suspension and expulsion.

4. Appeal

Students may appeal either the charge of an offence or the penalty imposed or proposed by the Dean or University Librarian to the Associate Vice-President (Academic), within seven working days of receipt of a written indication of the offence and penalty. The Associate Vice-President (Academic) may dismiss the case, confirm the decision of the Dean or University Librarian or take additional action if appropriate. The student shall, in such case, be informed in writing and a copy of the notification shall be placed in the student's file in the Registrar's Office. The decision of the Associate Vice-President (Academic) shall be final.

5. Severe Penalties - Suspension and Expulsion

Severe penalties including suspension and expulsion may be imposed and result in a student losing his/her admission/registration status. See Section j. Suspension/Expulsion below.

i. Procedures: Non-Academic Offences Outside Instructional Space, Research Facilities, or Library

1. When a student commits a non-academic offence outside instructional space, research facilities or the Library, any member of the University community may initiate proceedings against that student. All offences committed outside the identified areas are to be referred to the Director, Security and Parking.

2. Actions

The Director, Security and Parking, will take the following actions:

- Meet with the student and advise the student to refer to the Non-Academic Offences section in the Calendar.
- Consult Counselling Services and others as required.
- Notify the Dean of the Faculty offering the program in which the student is registered, where warranted.
- Place a letter of reprimand in the student's file in the Registrar's Office. The Registrar shall inform the Director, Security and Parking, if the student has a previous reprimand in his/her file.

3. Penalties

Penalties in addition to a letter of reprimand in the file may be imposed. Such penalties are less severe than suspension or expulsion, insofar as the student's admission/registration status is maintained. The Director, Security and Parking may impose the following penalties:

a. Reparation
b. Exclusion from defined areas of the campus
c. Exclusion from campus
d. Other limitations as required

At the discretion of the Director, Security and Parking, a student with previous non-academic offences on file may be subject to further disciplinary action. Such action will be progressive, aimed at correcting inappropriate behaviour in the locations identified in Section 6.1.1 and may include penalties ranging from a. to d. above to suspension and expulsion.

4. Appeal

Students may appeal either the charge of an offence or the penalty imposed or proposed by the Director, Security and Parking to the Registrar, within seven working days of receipt of a written indication of the offence and penalty. The Registrar may dismiss the case, confirm the decision of the Director, Security and Parking, or take additional action if appropriate. The student shall, in such case, be informed in writing and a copy of the notification shall be placed in the student's file in the Registrar's Office. The decision of the Registrar shall be final.

Reparation

Once assessed by the University, reparation for repairs and/or replacement for physical damage shall be paid to the University.

5. Severe Penalties - Suspension and Expulsion

Severe penalties including suspension and expulsion may be imposed and result in a student losing his/her admission/registration status. See Section j. Suspension/Expulsion below.

j. Suspension/Expulsion

1. Suspension

Suspension requires a student to withdraw completely from the University for a specified period of time, to a maximum of three years. Upon expiry of the period of suspension, the student will be permitted to reapply to the program from which he or she was suspended, subject to the appropriate admission standards applicable at the time of reapplication.

2. Expulsion

Expulsion requires a student to withdraw completely from the University for an indefinite period of time. The student shall not be permitted to return without the written approval of the Provost & Vice-President (Academic) in consultation with the Registrar. Such approval shall not normally be given before the expiry of three years.

3. Procedures Governing Suspension/Expulsion

a. If the Dean or University Librarian considers that the case requires suspension/expulsion, he/
she shall make such recommendation in writing to the Registrar, outlining the particulars of the case, with a copy to the student. Should the Director, Security and Parking, consider that the case requires suspension/expulsion, he/she shall consult with the Dean of the program in which the student is registered and they shall jointly make such a recommendation.

b. If the Registrar considers that suspension/expulsion is in order, the Registrar shall notify the Discipline Committee in writing, with a copy to the student. The Discipline Committee shall hear the case and will have the authority to expel, suspend, implement a lesser penalty or dismiss the case.

c. During the period from the time of any recommendation of suspension or expulsion until the point of a final decision, a student shall be allowed to continue his/her program of study until a decision is finally rendered. There will be no loss of credit for courses taken during this period of time.

d. In the event that a decision affects graduation, the decision shall be rendered as soon as possible. Nonetheless, where delay in reaching the decision results in postponement of graduation, the University will not be held responsible unless the decision has been unreasonably withheld.

See Section 4.m. Discipline Committee on p. 75.

k. Referral to Civil Authorities
The University reserves the right to notify or summon the appropriate civil authority in any individual matter regarding non-academic offences. The University President or designate is the sole official who may summon the civil authority in the name of the University.

6. CAVEAT - AUTHORITY TO RESCIND REGISTRATION PRIVILEGES/PROHIBIT ACCESS TO UNIVERSITY PROPERTY

a. Until modified by resolution of the Board, the President shall have the power and authority in his/her capacity as President, and as representative of the Board of Governors, to rescind any student’s registration in a course, an undergraduate studies program or graduate studies program at the University of Lethbridge and prohibit the student from accessing University property at any time.

b. The powers of the President to rescind a student’s registration and prohibit access to University property may be exercised in any circumstance where the President in his/her sole discretion determines that:

1. The individual represents a potential risk to the safety, security or well-being of members of the University community, including but not restricted to students, faculty and administration;

2. The best interests of the University outweigh the inclusion of the individual at the University.

c. The President shall not take such action without first consulting with the Provost & Vice-President (Academic) and the Vice-President (Administration). The Coordinator of Counselling Services and the Director, Security and Parking, may also be consulted.

d. Any decision made by the President to rescind a student's registration privileges and prohibit access to University property shall be final and without appeal to any body in the University of Lethbridge.

e. Such students may be considered for Open Studies status or readmission only by the President, normally after the lapse of one year. Students must provide evidence that the issues leading to the rescinding of registration privileges/prohibition of access to University property have been addressed.

7. APPEAL OF APPLICATION OF POLICY OTHER THAN GRADE OR STUDENT DISCIPLINE
Students dissatisfied with the application of an academic policy or regulation to their own status, other than grade or student discipline, are entitled to a review by the Dean of the Faculty in which they are registered.

If still dissatisfied after this review, the student may address a written appeal to the Dean who renders the final decision on behalf of the Faculty. A student may appeal a decision on behalf of the Faculty to the General Faculties Council.

Students shall have one year from the date of application of an academic policy or regulation other than grade or student discipline to appeal.

8. ASSESSMENT OF STUDENT LEARNING POLICY AND PROCEDURES FOR UNDERGRADUATE COURSES
The University of Lethbridge is committed to providing fair and accurate assessment of student learning. Regular assessment provides an opportunity for students to gauge their understanding of course material, for instructors to determine what students have learned, and for the University to certify student achievement. Students must have sufficient and timely feedback from instructors to improve their performance and make informed decisions about withdrawal, registration in subsequent semesters, and how to allocate their time. Students are responsible for soliciting additional feedback about their performance if they wish to have more information.

This policy specifies the components required in course outlines, identifies expectations of students, provides procedures for the conduct and scheduling of formal learning assessments, reporting grades, and handling student work once assessment is complete. However, no policy can cover all eventualities. Faculties may adopt additional assessment policies and procedures for any program. It is understood that this policy must be interpreted humanely and sensitively, recognizing both the rights and the interests of students, and the quality and integrity of academic programs. Students should identify differences in their interpretation of policy with instructors in a timely fashion and cooperate to resolve them. If no resolution is forthcoming, the student may appeal the matter to the Dean of the Faculty offering the course following the procedure in Section 7 Appeal of Application of Policy Other than Grade or Student Discipline p. 78.

a. Course Outline

1. To allow students to make timely and informed decisions about registration, add/drop, and the allocation of their time during the semester, instructors must provide a course outline to all students no later than the first class meeting, and to all students who subsequently join the class. If an instructor wishes to incorporate student input in course design, a final outline must be provided to students as soon as possible after the first class.
2. The course outline includes the following essential elements:
   a. The instructor’s name and contact information, course number, section and title, and the department or Faculty.
   b. Where, when and how students may seek assistance from the instructor.
   c. A list of required reading materials, supplies, expenses for events outside of regular classes, and where the instructor requires the study of material that cannot be specified at the outset of the course, an explicit statement to that effect.
   d. Relative weights of all work used to determine a final grade. Where attendance or other forms of class participation are required, the criteria for these measures should be explicitly stated.
   e. How the final letter grade for the course will be determined if percentages are used.
   f. Due dates, approximate due dates or the approximate frequency of graded work.
   g. Penalties for late work.
   h. A reminder that students in the course are subject to the student discipline policy for academic and non-academic offenses in accordance with the Calendar.
   i. If instructors use a University-approved plagiarism detection service to determine the originality of student papers, notice must be provided in the course outline. Student work may be stored in the database of the service, and if students object to such storage, they must advise the instructor in sufficient time that other techniques may be used to confirm the integrity of written work.
   j. The essential elements of the course as specified in the course outline shall not be altered after the Add/Drop deadline. However, recognizing that teaching excellence requires a degree of flexibility and responsiveness to both students’ needs and emergent circumstances, adjustments to the course outline may sometimes be necessary, provided that no student is disadvantaged by the change.

b. Expectations of Students
   1. Students should be familiar with the academic regulations of the University.
   2. Instructors may assume basic literacy, numeracy and computer literacy as prerequisites for University entrance. Instructors may assume that students have the knowledge or skills of any course listed as a prerequisite for the course in the current University Calendar.
   3. Students may be expected to apply what has been taught in the course to new situations, to analyse different examples, or to synthesize original responses to questions that remain within the realm of fairness, even though the particular applications, examples or circumstances may not have been explicitly addressed in course lectures or readings.
   4. Students are expected to monitor their University email accounts and to use their University accounts whenever writing instructors concerning course work and course grades.
   5. Instructors will make reasonable efforts to accommodate students formally representing the University on inter-varsity teams, in academic competitions, in artistic performances, etc. with respect to due dates, tests and examinations, provided sufficient notice is given. Students should provide documentation of such activities identifying potential absences to instructors by the Add/Drop deadline where possible.
   6. In extraordinary circumstances, such as bereavement, illness or injury, students may be accommodated with respect to due dates, tests and examinations. Under such circumstances, instructors may request documentation.
   7. All tests and assignments are due on or before the last day of classes except those identified by the instructor as a final examination or equivalent.
   8. Unless otherwise stated in the course outline, students not submitting term work, in-class tests or final examinations without valid reasons will receive a zero for that part of the course grade.
   9. Instructors have a duty to accommodate students with disabilities that have been verified by the Accommodated Learning Centre.
      a. The principle of equity requires that all students be afforded an equal opportunity to demonstrate what they know and can do; in the case of students with disabilities, this principle may require adopting alternative assessments, adapting existing assessments, or allowing students to bring items into an assessment which otherwise would be prohibited to ensure that these students are not unfairly disadvantaged.
      b. Students who wish to arrange for modified assessments must have their disability verified by the Accommodated Learning Centre, which will then issue a letter to the appropriate Dean(s) and instructor(s) indicating the University’s support for appropriate requests for special learning opportunities or assessment procedures.
      c. The student is responsible for requesting accommodations from an instructor at least two weeks in advance of the evaluation date. Disagreements about the accommodation of any request between students with disabilities and instructors should be mediated first by the Accommodated Learning Centre; where that is not satisfactory, subsequent appeal may be made to the Dean for resolution.

c. Scheduling of Assessments
   1. No examination (test, quiz, or combination of tests and quizzes) worth more than 20% of the final grade may be held in the last two weeks of class during the fall or spring semesters. However, module examinations may be administered in the last two weeks of the on-campus component of Professional Semesters I and II in the Faculty of Education.
2. To ensure that students have the opportunity to correct, improve, adapt or build upon their understanding and skills, students' graded work must be made available to them before they are examined or reassessed on material directly dependent upon that work.

3. In-class tests and examinations may not exceed the allotted class time.

4. Final examinations may not normally exceed three hours. Any requests for an extended time period must be made to the Registrar. Any overlap with a subsequent exam may require that the longer exam be moved. Students must be able to take advantage of scheduled breaks between exam time slots.

5. Final examinations must be held on the date set by the Registrar. In the case of final examinations written in the testing centre, examinations may be opened on or after the first day of the scheduled examination period. Test centre examinations must be scheduled for completion no earlier than the day scheduled by the Registrar and no later than the last day of the final examination period.

6. Normally any work assigned during the instructional period must be called due by the last day of classes. Where a final project, performance, essay, take-home examination or other demonstration of learning replaces a scheduled final examination, the work may not normally be called due any sooner than the date and time of the final examination scheduled by the Registrar and no later than the last day of the final examination period. However, musical performance examinations may be scheduled after the last day of classes with consent of the student.

7. All work to be graded in fulfilment of the requirements of an Independent Study course or Honours Thesis must be called due no later than the last day of the final examination period.

8. Students who cannot write final examinations for reasons beyond their control may request alternative scheduling from the Dean. Upon the Dean's approval, instructors will be authorized to arrange rescheduled final examinations. Instructors may only assign an 'Incomplete' in the course with prior approval from the Dean's office (see Section 2.a.2. on p. 69 for more information regarding the '1 - Incomplete' designation).

9. No student shall be expected to write three consecutive final examinations in 24 hours in the scheduled final examination period and, in such cases, it is the student's responsibility to request an accommodation from the Dean. The instructor associated with the second examination is the one who would normally be expected to accommodate the need for a rescheduled examination for such a student.

**d. Conduct of Examinations**

1. For examinations written outside the testing centre, the examination supervisor is responsible for the safe and secure conduct of an examination (test, quiz or scheduled final examination). While the examination supervisor is normally the instructor of the course, any member of academic staff, post-doctoral fellow or graduate student with appropriate expertise may supervise an examination. Whenever possible, course instructors should be available to answer questions arising during the examination.

2. The supervisor may restrict admission to the examination site prior to the examination. If necessary, arrangements may be made with Security to restrict such admission.

3. The supervisor may require all students to sign in before the examination, to sign out after the examination, and to register with the supervisor the number of examination booklets used.

4. The supervisor may require students to deposit personal effects in a designated area.

5. The supervisor may also require all students to place University of Lethbridge identification cards on their desks for the duration of the examination. If the supervisor is not certain of a student's identity, the student must be allowed to write the examination. The student shall then be referred to the instructor or, where the instructor is the supervisor, the Dean for resolution.

6. The supervisor may articulate regulations for late entry to and early exit from the examination room.

7. The supervisor is responsible for dealing with impropriety or irregularity to ensure fairness and rigor in the assessment process.

8. If students must leave the examination site for personal reasons, the supervisor shall take reasonable measures to ensure that no materials leave the site, that no restricted materials are brought back to the site, and that the student takes no action while away from the site that could undermine the integrity of the examination.

9. Supervisors may prescribe or restrict materials that may be taken to the examination site and used during the examination. No material aids including such items as mobile phones, computers or other digital devices may be brought into an examination without prior approval of the instructor.

10. In the event that it proves necessary to evacuate an examination room because of an emergency, supervisors will ask students to leave all examination materials behind and supervise the evacuation of the room.

11. Following the evacuation of an examination site, it is the supervisor's prerogative to resume the examination, if this can be done within a reasonable period of time after the evacuation. Extra time (equivalent to the time lost) shall be provided to complete the examination. If an examination cannot be resumed safely or fairly after an evacuation, all examination materials shall be collected, and the examination shall be rescheduled.

12. In the event that inclement weather or other conditions require that the University be closed, scheduled final examinations shall be rescheduled by the Registrar.
9. OTHER POLICIES

a. **Art Placement Policy**

The University of Lethbridge encourages and nurtures creative expression and supports the display of student artwork on University campuses. Requests for the display of non-student art (including that of faculty members and others) will be considered on a case-by-case basis by the Art Placement Committee (APC) in consultation with the Art Gallery Director, as appropriate.

b. **Computer Use Policy**

Computer and network resources are critical resources at the University of Lethbridge. The purpose of this policy is to ensure the efficient operation and distribution of these resources. All use of the University’s computer and network resources is governed by this policy. Aspects of this use may also be governed by other University policies, as well as Provincial and Federal law.

Users have a responsibility towards ensuring the secure and efficient operation of University computer and network resources. This responsibility includes refraining from prohibited activities and taking reasonable steps to prevent damage, security violations or access by unauthorized users.

The full policy is available online at www.uleth.ca/policy/computer-use-policy.

c. **Confidentiality of Student Records Policy**

In choosing to pursue a post-secondary education, students must be aware that the record of their academic performance will be viewed and evaluated by others. At the same time, the right to privacy asserts that individuals have a legitimate interest in controlling what information about themselves they will reveal to others and what uses may be made of this information. For its part the University has a legitimate interest in obtaining information necessary to carry out its functions and to fulfill its obligations to its students and to the agencies which have direct authority over it. This policy, therefore, is intended to reflect a reasonable balance between the obligations of the University for the welfare of the students and its responsibilities to society.

The full policy is available online at www.uleth.ca/policy/confidentiality-student-records.

See also **Notices to Students Regarding the Collection of Personal Data (p. 12) and Student Records Retention Policy in Part 2 - Registration (p. 51).**

d. **Library Access Policy**

The purpose of the University Library’s resources and services is to further the academic mandate of the University by facilitating access to information in all formats for the purposes of study and research. The objective of the Access Policy is to provide equitable access to the resources and services of the University Library.

The full policy is available online at www.uleth.ca/lib.

See also **Library in Part 16 - General Services**

e. **Library Code of Conduct**

The University Library - as a central learning area and a shared, common resource - is committed to providing users with fair and equitable access to library materials, resources, and services in an environment that is:

- Safe, comfortable, and clean
- Staffed by individuals who strive to respond to service requests with courtesy and respect
- A positive and productive place for academic pursuits

The full policy is available online at www.uleth.ca/lib.

See also **Library in Part 16 - General Services**

f. **Managing Unacceptable Behaviour by External Users of University Facilities**

This policy provides a process to deal with unacceptable behaviour of external users and to protect University...
property, services, faculty, staff, students and other users from such behaviour when it occurs.

External users are those individuals who are not faculty, staff, students or those persons functioning in a volunteer capacity on behalf of the University of Lethbridge. Internal users are those individuals who are faculty, staff, students or those persons functioning in a volunteer capacity on behalf of the University. Unacceptable behaviour by internal users will be dealt with through their respective employment contracts or in the case of students, policies and procedures related to discipline.

Unacceptable behaviour includes, but is not necessarily limited to acts that:
- disturb the peace and tranquility of authorized users
- endanger the safety and security of others
- cause damage to private or public property
- impair the delivery of services on University buildings or lands
- have the potential to expose the University to liability or prosecution
- violate any University of Lethbridge policy applicable to external users

Such behaviour includes vandalism or other criminal offences that may also require University Security Services to solicit the assistance of the Lethbridge Police Services.

The full policy is available online at www.uleth.ca/policy/managing-unacceptable-behaviour-external-users-university-facilities.

g. Personal Security Policy

The University of Lethbridge is committed to providing a living, learning and working environment that is free of threats to personal security and is supportive of productivity, academic achievement, and the dignity, self-esteem and fair treatment of all members of its community. The Personal Security Policy, developed by the University in consultation with employee and student groups, gives practical application to that commitment.

‘Personal security’ means freedom from violence, the threat of violence, harassment, hazing, abuse of supervisor’s authority, verbal abuse and discrimination in contravention of the Alberta Human Rights, Citizenship and Multiculturalism Act.

The full policy is available online at www.uleth.ca/policy/personal-security-policy.

h. Policy Against Hazing

The University of Lethbridge has a zero tolerance policy on hazing. Hazing activities of any type are inconsistent with the mission and vision of the University and are prohibited at all times. The purpose of this policy is to maintain a safe environment for University community members free from hazing. Hazing has historically been associated with, but is not limited to, obtaining acceptance or membership in an organization or a team.

The University of Lethbridge’s Policy Against Hazing applies to all University community members.

The full policy is available online at www.uleth.ca/policy/policy-against-hazing.

i. Revoking Degrees

The integrity of the degrees the University confers is dependent on the honesty and soundness of the teacher-student relationship, as well as the integrity of the evaluation process. The University has a responsibility to protect the integrity of the degrees it awards, both while the degree is being earned and after its conferral.

A degree is revoked if both the following conditions exist:
1. An academic offense is discovered after the degree is awarded; and
2. That offense, if detected, would have resulted in the degree not being awarded.

The full policy is available online at www.uleth.ca/policy/revoking-degrees-policy.

j. Student Behavioural Incident Policy

The University of Lethbridge is committed to providing a safe working and learning environment for all members of the University community and visitors to campus. Effectively addressing situations where individuals are displaying behaviours that are worrisome or potentially harmful to themselves or others is essential in providing this environment.

The Behavioural Intervention Policy provides a procedure and mechanism by which worrisome or potentially harmful behaviours may be reported, assessed and responded to by the University.

The full policy is available online at www.uleth.ca/policy/behavioural-intervention-policy.

k. Student Housing Policy

Student housing accommodation at the University provides convenient living accommodation together with services and programs from which residents may secure additional educational, social and cultural advantages. The University is concerned not only with the physical environment within student housing, but also with activities which will provide an educational experience aimed at aiding the personal growth of each resident.

The full policy is available online at www.uleth.ca/policy/student-housing.

See also Housing Services in Part 16 - General Services (p. 551).

l. Students With Disabilities Policy

The University of Lethbridge will take all reasonable measures short of undue hardship to promote full access to all services for students with disabilities in its post-secondary education programs (credit and non-credit) and community outreach components. For their part, students are encouraged to act responsibly by striving to be as self-reliant and as independent as possible, and by fully engaging in their academic endeavours.

The full policy is available online at www.uleth.ca/policy/students-disabilities-policy.

See also Accommodated Learning Centre in Part 16 - General Services (p. 547).

m. Taping of Lectures

Lectures and performances given by academic staff members and visiting speakers may be audio or video recorded by students provided prior approval has been granted by the instructor or performer. Permission to record is solely for the purpose of personal study by the student and does not convey any right to duplicate the recording.

n. Other Policies

For more information regarding these and other University policies, see www.uleth.ca/policy.
10. PROGRAM REQUIREMENT

a. Residence Requirements and Time Limits

The University of Lethbridge's residence requirements and time limits for completion of credentials are listed in the table on pages 87-93. Please note the following for the last three columns of the table:

**Column A: Residence Requirement**

A student who is a candidate for an undergraduate degree, diploma or certificate must satisfy the minimum residence requirement through successful completion of University of Lethbridge courses. A single course, as listed in this table, is the equivalent of 3.0 credit hours.

**Column B: Time Limit for Retention of Individual Course Credit**

Many courses have a defined 'shelf life.' A course may be used to meet program requirements for a specific number of years. After that point, credit for that course is not retained.

**Column C: Time Limit for Program Completion**

A student who is a candidate for a degree, diploma or certificate must satisfy all program requirements within the time limit established by the Faculty administering that program.

**Notes for the table:**

There are restrictions on the diploma used as the basis for admission.

1. There are restrictions on the diploma used as the basis for admission to the Post-Diploma B.Sc. Environmental Science program. Part 7 - Arts and Science, Section 21.d. (p. 145) for complete information.

2. There are restrictions on the diploma used as the basis for admission to the Post-Diploma B.Mgt. program. The approved diploma can be no more than eight years old at the point of admission.

3. Management courses completed prior to admission may be no more than eight years old. Once admitted, credit is retained until completion of the program (up to a maximum of 10 years after admission).

4. Students who study at an international institution under Exchange Student authorization will count the exchange courses toward meeting the minimum residence requirement.

5. Exceptions apply to certain majors for the ten 3000/4000-level Management courses required for residency. Students in the following majors may use courses in the major towards this requirement: Computer Science majors can use 3000/4000-level Computer Science courses in addition to 3000/4000-level Management courses; Economics majors can use 3000/4000-level Economics courses in addition to 3000/4000-level Management courses; First Nations' Governance majors can use 3000/4000-level Native American Studies courses in addition to 3000/4000-level Management courses; and Political Science majors can use 3000/4000-level Political Science courses in addition to 3000/4000-level Management courses.

6. Exceptions apply to certain majors for the ten 3000/4000-level Management courses required for residency. Students in the following majors may use courses in the major towards this requirement: Economics majors can use 3000/4000-level Economics courses in addition to 3000/4000-level Management courses; First Nations' Governance majors can use 3000/4000-level Native American Studies courses in addition to 3000/4000-level Management courses; and Political Science majors can use 3000/4000-level Political Science courses in addition to 3000/4000-level Management courses.

7. 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

b. General Liberal Education Requirement

In keeping with the liberal arts focus of the University, all students in an undergraduate degree program must complete the General Liberal Education Requirement (GLER), which consists of:

1. Four courses (12.0 credit hours) from each of Lists I, II and III. OR

Three courses (9.0 credit hours) from each of Lists I, II and III for students who successfully complete both Liberal Education 1000 and either Liberal Education 2000 or Library Science 2000. OR

Three courses (9.0 credit hours) from each of Lists I, II and III for students who successfully complete both Liberal Education 3010 and Liberal Education 4000. OR

Two courses (6.0 credit hours) from each of Lists I, II and III for students who successfully complete one of the following pairs:

- Liberal Education 1000 and Liberal Education 2000; and Liberal Education 3010 and Liberal Education 4000
- Liberal Education 1000 and Library Science 2000; and Liberal Education 3010 and Liberal Education 4000
2. The individual Liberal Education and Library Science courses (Liberal Education 1000, Liberal Education 2000, Liberal Education 3010, Liberal Education 4000, and Library Science 2000) do not fulfill a requirement for any list.

3. Only four courses (12.0 credit hours) in total may be counted from all courses offered by a single department.

4. Students pursuing a post-diploma program offered by the University of Lethbridge are required to meet either the full 12-course or a modified GLER. For further information, see the program description in the appropriate Part in this Calendar.

**Full 12-Course General Liberal Education Requirement**

Students registered in the post-diploma B.A. and B.Sc. in Agricultural Studies, the post-diploma B.Sc. in Computer Science, the post-diploma B.F.A. - Art or Dramatic Arts or B.Mus. (after a two-year diploma) program are required to meet the full 12-course (36.0 credit hours) GLER.

**Modified General Liberal Education Requirement**

Students registered in the post-diploma B.Sc. in Environmental Science program are required to meet a modified GLER consisting of five courses (15.0 credit hours) from Lists I and II, including at least three courses (9.0 credit hours) from List I and at least one course (3.0 credit hours) from List II.

Students registered in the post-diploma B.Sc. in Geography with a Concentration in Geographical Information Science are required to meet a modified GLER consisting of five courses (15.0 credit hours) from Lists I and II, including at least three courses (9.0 credit hours) from List I, at least one course (3.0 credit hours) from List II, and one additional course (3.0 credit hours) from List I or II.

Students registered in the post-diploma B.F.A. - Art or Dramatic Arts or B.Mus. (after a three-year diploma) or post-diploma B.F.A. - Multidisciplinary (after a two- or three-year diploma) program are required to complete a modified GLER of two courses (6.0 credit hours) from each of List II and List III and three additional courses (9.0 credit hours) from either of these two lists.

Students registered in the post-diploma B.H.Sc. program are required to meet a modified GLER consisting of two courses (6.0 credit hours) from each of Lists I, II, and III.

Students registered in the post-diploma B.Mgt. are required to complete a modified GLER consisting of four courses (12.0 credit hours) from List I and two courses (6.0 credit hours) from each of Lists II and III, and two additional courses (6.0 credit hours) from any list.

Students registered in the post-diploma B.F.A. - Art or Dramatic Arts/B.Ed. or the post-diploma B.Mus./B.Ed. (after a two- or three-year diploma) program are required to complete a Modified GLER of two courses (6.0 credit hours) from each of List II and List III, and three additional courses (9.0 credit hours) from either of these two lists.

Students registered in the post-diploma B.Mgt./B.Ed. program are required to complete a modified GLER consisting of three courses (9.0 credit hours) from List I and two courses (6.0 credit hours) from each of List II and III.

**LIST I: FINE ARTS AND HUMANITIES COURSES**

**Agricultural Studies**

- Agricultural Studies 1000 - The Evolution of Agriculture

**Art**

- Art - all courses
- Art History/Museum Studies - all courses

**Dramatic Arts**

- Drama - all courses

**English**

- English - all courses

**Fine Arts**

- Fine Arts - all courses, including those cross-listed with
  - Health Sciences as follows:
    - Fine Arts 4500/Health Sciences 4500 - Global Health, Fine Arts, and Social Change
    - Fine Arts 4510/Health Sciences 4510 - Global Health and Arts for Change Field Study

**Music**

- Music - all courses, excluding Music Ensemble Activity courses
- New Media - all courses

**History**

- History - all courses, including those cross-listed with
  - Health Sciences as follows:
    - History 2450/Health Sciences 2450 - Evolution of Health and Illness Care
    - History 3560/Health Sciences 3560 - History of Nursing: Women and the Care of the Sick

**Kinesiology and Physical Education**

- Kinesiology 2130 - Humanities Perspectives
- Kinesiology 3400 - History of Sport and Physical Activity
- Kinesiology 3740 - Philosophy of Physical Activity
- Kinesiology 4400 - Canadian Sport History
- Kinesiology 4640 - Applied Ethics in Sport and Physical Activity

**Liberal Education**

- Liberal Education 2400 - Great Literature and Thought Across Disciplines: A Brief History
- Liberal Education 3400 - Great Literature and Thought Across Disciplines: The Long Conversation

**Modern Languages**

- French - all courses
- German - all courses
- Japanese - all courses
- Hispanic Studies - all courses
- Linguistics - all courses
- Modern Languages - all courses
- Spanish - all courses
- Any non-English second language course offered by another unit in the Faculty of Arts and Science (including Blackfoot, Cree, Greek, Hebrew and Latin)

**Music**

- Music - all courses, excluding Music Ensemble Activity courses

**Native American Studies**

- Native American Studies - all courses, including those cross-listed with Management as follows:
  - Native American Studies 3250/Management 3500 - Financial Management in Aboriginal Communities
  - Native American Studies 3280/Management 3580 - Aboriginal Peoples and Natural Resources
Native American Studies 3506/Management 3506 - Aboriginal Small Business and Entrepreneurship in Canada
Native American Studies 3590/Management 3590 - Current Practices in Aboriginal Governments
Native American Studies 4120/Management 4507 - Historical and Legal Aspects of First Nations' Governments
Native American Studies 4150/Management 4508 - Administrative Aspects of First Nations' Governments

New Media
New Media - all courses

Philosophy
Philosophy - all courses, excluding those designated as Science courses

Political Science
Political Science 2511 - Introduction to Political Theory
Political Science 3510 - Political Thought Before 1500
Political Science 3511 - Political Thought Since 1500 (Series)
Political Science 3525 - Politics and Religion
Political Science 4511 - Seminars in Political Philosophy (Series)

Religious Studies
Religious Studies - all courses

Writing
Writing 1000 - Introduction to Academic Writing
Writing 1000 - Introduction to Academic Writing

LIST II: SOCIAL SCIENCE COURSES
Agricultural Studies
Agricultural Studies - all courses, excluding those listed as Humanities courses or Science courses

Anthropology
Anthropology - all courses

Archaeology
Archaeology - all courses, excluding those listed as Science courses

Asian Studies
Asian Studies - all courses

Economics
Economics - all courses, excluding those designated as Science courses, and including those cross-listed with Management as follows:
Economics 3080/Management 3780 - Principles of Industrial Organization I
Economics 4080/Management 4780 - Principles of Industrial Organization II

Geography
Geography - all courses, excluding Geology and all other Geography courses listed as Science courses, and including those cross-listed with Management as follows:
Geography 3225/Management 3660 - Industrial Location and Globalization of Enterprise
Geography 3551/Management 3551 - An Introduction to Tourism

Interdisciplinary Studies
Interdisciplinary Studies 2008 - Japan and the Japanese (Series)
Interdisciplinary Studies 2050 - Globalization Since 1492
Interdisciplinary Studies 2600 - Study Tour of Japan
Interdisciplinary Studies 3050 - Capital, Culture, and Globalization

LIST III: SCIENCE COURSES
Agricultural Studies
* Agricultural Studies 3300 - Modelling of Agricultural Systems
* Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems

Archaeology
* Archaeology 1000 - Introduction to Archaeology
Archaeology 3000 - Archaeological Science (Series)
Archaeology 3300 - Archaeological Field Work (Series)
Archaeology 3600/Liberal Education 3600 - Human Evolution
Archaeology 3610 - Old World Prehistory
Archaeology 3700 - Geoarchaeology and Landscape Analysis
Archaeology 3720 - Archaeological Materials Analysis
Archaeology 4000 - Advanced Archaeological Science (Series)
* Archaeology 4500 - Advanced New and Old World Archaeology (Series)

Biological Sciences
Biology - all courses, including those cross-listed with Health Sciences as follows:
Biology 2003/Health Sciences 2003 - Epidemiology
Biology 2806/Health Sciences 2806 - Immunology

Chemistry and Biochemistry
Biochemistry - all courses
Chemistry - all courses

Economics (including courses cross-listed with Management)
Economics 2070/Management 2070 - Operations and Quantitative Management
Economics 2750 - Quantitative Methods in Economics
Economics 2900 - Economics and Business Statistics
Economics 3950 - Econometrics I
Economics 4150 - Mathematical Economics

Kinesiology and Physical Education
Kinesiology - all courses, excluding Physical Activity courses and all other Kinesiology courses listed as Humanities courses or Science courses

Liberal Education
Liberal Education 1500 - The First-Year Experience: Mapping Our Communities

Political Science
Political Science - all courses, excluding those listed as Humanities courses, and including those cross-listed with Management as follows:
Political Science 3170/Management 3670 - The Politics of Canadian Trade Policy
Political Science 3420/Management 3050 - Human Resource Management

Psychology
Psychology - all courses, excluding those listed as Science courses, and including those cross-listed with Health Sciences as follows:
Psychology 3570/Health Sciences 3570 - Contemporary Issues in Mental Health

Sociology
Sociology - all courses, including those cross-listed with Health Sciences as follows:
Sociology 2700/Health Sciences 2700 - Health and Society

Women and Gender Studies
Women and Gender Studies - all courses, including those cross-listed with Health Sciences as follows:
Women and Gender Studies 2100/Health Sciences 2600 - Women and Health
Economics 4960 - Econometrics II

Environmental Science
Environmental Science - all courses, excluding those
designated as Social Science

Geography
Geography 1000 - Introduction to Physical Geography
Geography 2030 - Geomorphology
Geography 2090 - Biogeography
Geography 2300 - Weather and Climate
Geography 2700 - Geographical Data and Analysis
Geography 2735 - Introduction to Geographical
Information Science
Geography 3035 - Fluvial Geomorphology
Geography 3060 - Glaciology and Glacial
Geomorphology
Geography 3070 - Hazards, Disasters and Global Change
Geography 3080 - Soils
Geography 3235 - Q-uantitative Models for Geographic
Analysis
Geography 3300 - Microclimatology
Geography 3400 - Hydrology I
Geography 3700 - Cartography
Geography 3710 - Field Techniques in the Earth Sciences
Geography 3720 - Remote Sensing
Geography 3740 - Geographical Information Systems
Geography 3750 - GIS Applications in Human Geography
Geography 3780 - Field Research in Geography
Geography 3792 - Field Excursion in Physical Geography
(Series)
Geography 4030 - Advanced Physical Geography (Series)
Geography 4060 - Agricultural Soil Management
Geography 4065 - Irrigation Science
Geography 4200 - Project in Agricultural Geography
Geography 4400 - Hydrology II
Geography 4415 - Integrated Watershed Management
Geography 4700 - Advanced Computer Mapping
Geography 4710 - Remote Sensing Field Techniques
Geography 4725 - Advanced Remote Sensing
Geography 4730 - Spatial Statistics
Geography 4740 - Advanced Geographical Information
Systems
Geography 4750 - Glacial Processes, Measurements, and
Models
Geography 4751 - Project in Spatial Modelling
Geography 4753 - Seminar in Remote Sensing

Geology - all courses

Interdisciplinary Studies
Interdisciplinary Studies 3200 - Genetically Engineered
Machines

Kinesiology and Physical Education
Kinesiology 1160/Health Sciences 1160 - Human
Anatomy and Physiology I
Kinesiology 1161/Health Sciences 1161 - Human
Anatomy and Physiology II
Kinesiology 2110 - Biophysical Perspectives
Kinesiology 2200 - Research Methodologies
Kinesiology 2600 - Functional Human Anatomy
Kinesiology 2610 - Human Physiology
Kinesiology 2650 - Functional Biomechanics
Kinesiology 3200 - Movement Disorders
Kinesiology 3350 - Recognition and Care of Athletic
Injuries
Kinesiology 3500 - Nutrition and Physical Activity
Kinesiology 3610 - Exercise Physiology
Kinesiology 3630 - Growth, Development and Aging
Kinesiology 3650 - Biomechanics
Kinesiology 3690 - Motor Control
Kinesiology 4200 - Health and Physical Activity
Kinesiology 4300 - Work and Physical Ergonomics
Kinesiology 4550 - Advanced Biomechanics
Kinesiology 4610 - Fitness and Lifestyle Assessment
Kinesiology 4615 - Advanced Exercise Physiology
Kinesiology 4660 - Bioinstrumentation

Liberal Education
Liberal Education 2100 - Q-uantitative Reasoning
Liberal Education 2200 - Problems and Puzzles
Liberal Education 3100 - History of Mathematics
Liberal Education 3600/Archaeology 3600 - Human
Evolution

Mathematics and Computer Science
Computer Science - all courses
Mathematics - all courses
Statistics - all courses

Neuroscience
Neuroscience - all courses

Philosophy
Logic - all courses
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

Physics
Astronomy - all courses
Engineering
Engineering 2000 - Engineering Statistics
Engineering 2060 - Engineering Mechanics
Physics - all courses

Psychology (including courses cross-listed with Health Sciences)
*Psychology 1000 - Basic Concepts of Psychology
*Psychology 2030 - Methods and Statistics
Psychology 2320 - Cognition and Perception: Thinking
and Seeing
Psychology 2330 - Learning and Cognition
Psychology 2700 - Behaviour and Evolution
*Psychology 2840 - Comparative Sexuality
Psychology 3225 - Cognition and Perception (Series)
Psychology 3360 - Sensation and Perception
*Psychology 3370 - Animal and Human Minds
*Psychology 3400 - Advanced Research Design and Data
Analysis
Psychology 3450/Health Sciences 3450 - Applied
Statistics for Clinical Practice
Psychology 3525 - Hormones and Behaviour
Psychology 3535 - Drugs and Behaviour
*Psychology 3760 - Animal Communication
*Psychology 3770 - Primate Lives and Human Cognitive
Evolution
*Psychology 3815 - Psychology of Crime
*Psychology 4400 - Capstone in Psychology
*Psychology 4550 - Abnormal Psychology (Series)

Courses offered by Arts and Science as individual titles in
Series, Topics, Applied Studies Disciplinary Credit,
Independent Studies, Undergraduate Thesis and
Interdisciplinary Studies courses will be designated as
Humanities; Social Science or Science courses by the Faculty of
Arts and Science at registration, in conformity with the division
of courses established above. Arts and Science Council has the
ultimate authority to determine designation.

Students may designate Science courses marked with an
asterisk (*) as List II: Social Science Courses for the purposes of
both the General Liberal Education Requirement and the
Divisional Course Designation. Such a designation is made at
the Registrar’s Office.
### University of Lethbridge Residence Requirements and Time Limits

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Program</th>
<th>Number of Courses in Program</th>
<th>A. Residence Requirement</th>
<th>B. Time Limit for Retention of Individual Course Credit</th>
<th>C. Time Limit for Program Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARTS AND SCIENCE</strong></td>
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<td></td>
<td>BA., BSc., BASc.</td>
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<td>As the first degree:</td>
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<td>20 courses, including the last 10 taken for credit toward the degree.</td>
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<td>Minimum of 20</td>
<td>As the second degree:</td>
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<td>20 courses, taken after admission to the second degree program, including the last 10</td>
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<td></td>
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<td></td>
<td>taken for credit toward the degree.</td>
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<tr>
<td></td>
<td>BA., BSc., Agricultural Studies major</td>
<td>20</td>
<td>As the first degree:</td>
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<td></td>
<td>BSc., Computer Science major</td>
<td>20</td>
<td>As the first degree:</td>
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<td></td>
<td>BSc., Environmental Science major (See Note 1.)</td>
<td>20</td>
<td>As the first degree:</td>
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<td>20 courses. (No transfer credit.)</td>
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<td></td>
<td>BSc., Geography with a Concentration in</td>
<td>20</td>
<td>As the first degree:</td>
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<td></td>
<td>Geographical Information Science major</td>
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<td>20 courses. (No transfer credit.)</td>
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<td><strong>EDUCATION</strong></td>
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<td>B.Ed.</td>
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<td>As the second degree:</td>
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<td>20 courses.</td>
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<td>B.Ed. after Teacher Training</td>
<td>Varies</td>
<td>As the first degree:</td>
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<td>Set on an individual basis.</td>
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<tr>
<td><strong>FINE ARTS</strong></td>
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<tr>
<td></td>
<td>B.F.A. - Art</td>
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<td>As the first degree:</td>
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<td>20 courses, including a minimum of 12 offered by the Department of Art of which at least 7</td>
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<td></td>
<td>Minimum of 20</td>
<td>must be at the 3000/4000 level.</td>
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<td></td>
<td>B.F.A. - Dramatic Arts</td>
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<td>As the first degree:</td>
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<td>20 courses, taken after admission to the second degree program.</td>
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<td>Minimum of 20</td>
<td>As the second degree:</td>
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<td>20 courses, including a minimum of 12 in Dramatic Arts of which at least 7 must be at</td>
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<td>the 3000/4000 level.</td>
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<td></td>
<td>B.F.A. - Multidisciplinary</td>
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<td>As the first degree:</td>
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<td>20 courses, including a minimum of 12 in the Faculty of Fine Arts and the last 10 taken</td>
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<td></td>
<td>Minimum of 20</td>
<td>for credit toward the degree.</td>
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<td></td>
<td>B.F.A. - Native American Art</td>
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<td>As the first degree:</td>
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<td>20 courses, including a minimum of 12 offered by the Department of Art of which at least 7</td>
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<td>Minimum of 20</td>
<td>must be at the 3000/4000 level.</td>
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<td>B.F.A. - New Media</td>
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<td>As the first degree:</td>
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<td>20 courses, including a minimum of 12 in New Media of which at least 7 must be at the</td>
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<td>Minimum of 20</td>
<td>3000/4000 level.</td>
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<td></td>
<td>B.Mus.</td>
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<td>As the first degree:</td>
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<td>20 courses, taken after admission to the second degree program.</td>
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<td>Minimum of 20</td>
<td>As the second degree:</td>
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<td>20 courses, including a minimum of 12 in Music of which at least 7 must be at the 3000/</td>
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<td>4000 level.</td>
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<td></td>
<td>Post-Diploma Programs</td>
<td>20</td>
<td>As the first degree:</td>
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<tr>
<td></td>
<td>B.F.A. - Art, B.F.A. - Dramatic Arts, B.Mus.</td>
<td>20</td>
<td>20 courses. (No transfer credit.)</td>
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<td>As the second degree:</td>
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<td>20 courses.</td>
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<td>5 years after admission. (Extension possible upon application.)</td>
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</tbody>
</table>

Note 1: For BSc., Environmental Science major, students should consult with the Department of Environmental Science for specific course requirements.
<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A./B.Ed., B.Sc./B.Ed.</td>
<td>50 courses, including 15 in Arts and Science and 15 in Education.</td>
<td>No limit.</td>
</tr>
<tr>
<td>B.F.A. - Art/B.Ed.</td>
<td>50 courses, including a minimum of 7 in Art and/or Art History/Museum Studies and 15 in Education.</td>
<td>No limit.</td>
</tr>
<tr>
<td>B.F.A. - Dramatic Arts/B.Ed.</td>
<td>50 courses, including a minimum of 6 in Drama and 15 in Education.</td>
<td>No limit.</td>
</tr>
<tr>
<td>B.Mus./B.Ed.</td>
<td>52 courses, including a minimum of 9 in Music and 15 in Education.</td>
<td>No limit.</td>
</tr>
<tr>
<td>B.Mgt./B.Ed.</td>
<td>50 courses, including 10 in Management (7 of which must be at the 3000/4000 level) and 15 in Education.</td>
<td>See Note 3. No limit for Education courses. 10 years after admission to the Faculty of Management.</td>
</tr>
<tr>
<td>BA/B.Mgt., B.Sc./B.Mgt.</td>
<td>50 courses, including 20 in Arts and Science and 10 in Management at the 3000/4000 level.</td>
<td>No limit for Arts and Science courses. See Notes 3, 4, and 6.</td>
</tr>
<tr>
<td>B.F.A. - New Media/B.Mgt.</td>
<td>50 courses, including 7 New Media courses and 10 Management courses at the 3000/4000 level.</td>
<td>No limit for New Media courses. 8 years for Management courses. Once admitted, credit is retained until completion of the program. See note 4.</td>
</tr>
<tr>
<td>B.H.Sc./B.Mgt.</td>
<td>50 courses, including a minimum of 15 Health Sciences courses and 10 Management courses at the 3000/4000 level.</td>
<td>7 years for Public Health courses. 8 years for Management courses. Once admitted, credit is retained until completion of the program. See note 4.</td>
</tr>
<tr>
<td>Post-Diploma Combined Degrees Programs</td>
<td>35 courses, including 8 in the discipline (Art and/or Art History/Museum Studies, Dramatic Arts or Music) and 20 courses in Education. (No transfer credit.)</td>
<td>No limit.</td>
</tr>
<tr>
<td>B.Mgt./B.Ed.</td>
<td>35 courses, including 8 in Management and 15 in Education.</td>
<td>See Note 3. No limit for Education courses. 10 years after admission to the Faculty of Management.</td>
</tr>
</tbody>
</table>
Convocation ceremonies are held twice annually. The spring ceremonies are scheduled for the Thursday and Friday following the week of the Victoria Day long weekend. The fall ceremonies are scheduled for the Saturday following Thanksgiving in October. See the Academic Schedule (p. 15) for complete information.

Students who fulfill degree, diploma or certificate requirements during the fall or spring semesters attend the spring ceremony. Students who complete during the summer session attend the fall ceremony. Students who may be completing degree requirements elsewhere (see B.A. or B.Sc. After Completion of a Professional Degree in Part 7 - Faculty of Arts & Science on p. 141) follow the procedures outlined below.

1. APPLICATION FOR GRADUATION
   a. Graduation Fee
   All students applying to graduate will be charged a $26.25 non-refundable, non-deferrable graduation fee.

   b. Application Deadlines
   Semester of Completion | Deadline* | Ceremony
   Fall | November 1** | Spring
   Spring | March 1 | Spring
   Summer | August 1 | Fall

   c. Outstanding Document Deadlines
   Semester of Completion | Deadline* | Ceremony
   Fall | Last working day of December** | Spring
   Spring | April 30 | Spring
   Summer | Last Monday of August | Fall

   d. Withdrawal of Application Deadlines
   Semester of Completion | Deadline* | Ceremony
   Fall | Last working day of December** | Spring
   Spring | April 30 | Spring
   Summer | Last Monday of August | Fall

   * When the deadline date occurs on a weekend or on a Statutory or Civic Holiday, the deadline will be the next working day.

   ** Undergraduate students only

2. OUTSTANDING ACCOUNTS
   Students owing the University fees, fines or other charges will not be permitted to graduate; will not be permitted to participate in ceremonies; will not be listed in the Convocation program; and will have transcripts withheld. This includes outstanding tuition fees, housing charges (including Telecom charges) and library fines.

   Deadlines to clear all outstanding accounts in order to be permitted to graduate are as follows:

   a. Undergraduate students completing program requirements in the fall semester:
      December 1 (for Spring Convocation).

   Note: Undergraduate students wishing to have 'completed' noted on their transcript in January (for reasons of employment, etc.), must have all outstanding accounts cleared before their transcript will be released. For example, a student completing Education requirements in the fall semester who may be eligible for teacher certification in January, must have all accounts paid before the Registrar's Office can release the transcript.
Applications for undergraduate students not eligible for ‘completed’ approval at the end of the fall semester (for academic or financial reasons) will remain active for Spring Convocation. These students are not required to submit another application. The April 1 payment deadline for outstanding accounts will apply.

b. Students completing program requirements in the spring semester:
   - April 1 (for Spring Convocation).

c. Students completing program requirements in summer session:
   - August 15 (for Fall Convocation).

   *Note:* Students wishing to have ‘completed’ noted on their transcript in September (for reasons of employment, etc.), must have all outstanding accounts cleared before their transcript will be released. For example, a student completing Education requirements in summer session who may be eligible for teacher certification in September must have all accounts paid before the Registrar’s Office can release the transcript.

Students who clear outstanding accounts after the April 1 or August 15 deadlines will be required to re-apply for a subsequent Convocation.

3. **CONVOCATION INVITATION**

In mid-March (for Spring Convocation) and late August (for Fall Convocation), an invitation is mailed to each applicant. Applicants can also access this information online at www.uleth.ca/convocation.

4. **CONFERRAL**

Degrees, diplomas and certificates are conferred upon a graduand only during Convocation ceremonies, whether the student is in attendance or not. If a graduand is absent, his/her degree, diploma or certificate can only be released following the conferral process.

   a. **Order of Conferral**

   **Spring**
   - The spring ceremonies are scheduled for the Thursday and Friday following the week of the Victoria Day long weekend.
   - The Order of Conferral for spring ceremonies is as follows:
     - Ceremony I - Thursday morning
       - School of Graduate Studies
       - Bachelor of Arts
       - Bachelor of Arts and Science
     - Ceremony II - Thursday afternoon
       - Bachelor of Science
       - Faculty of Health Sciences
     - Ceremony III - Friday morning
       - Faculty of Education
       - Combined Degrees with Education
       - Faculty of Fine Arts
     - Ceremony IV - Friday afternoon
       - Faculty of Management
       - Combined Degrees with Management
   **Fall**
   - The fall ceremonies are scheduled for the Saturday following Thanksgiving in October. The Order of Conferral for the Fall is as follows:

5. **CONFERRAL IN ABSENTIA**

Graduands who do not attend their ceremony will have their degree, diploma or certificate conferred upon them 'in absentia.'

The parchments are available for pick up at the Registrar’s Office during the week following the Convocation ceremonies. Parchments not picked up will be mailed to the students' permanent address.

6. **NAMES ON PARCHMENTS**

The full legal name of the graduand will appear on the parchment. Changes in name must be supported by copies of legal documentation (e.g., marriage certificate, divorce decree, vital statistics certificate, etc.). *Legal given names cannot be replaced with nicknames or initials.*

7. **AWARDED POSTHUMOUSLY**

With the approval of a Faculty Council, a degree, diploma or certificate may be awarded posthumously to a deceased student who had completed his/her program or was completing the last semester of his/her program. Posthumous awards will be noted on the transcript.


8. TRANSCRIPTS
   a. Requirements Completed
      After official verification from the Faculty that the student has successfully completed all program requirements, the Registrar’s Office includes an official notation on any transcript issued prior to Convocation that program requirements have been completed.
   b. Degree, Diploma or Certificate Awarded
      After official verification from the Faculty, and after completion of the conferral process, the Registrar’s Office includes an official notation on all transcripts of graduating students that the degree, diploma or certificate has been awarded. This notation includes the major(s), minor(s), concentration and specialization designation, and any Academic Distinction, Honours Thesis or Co-operative Education designations.

9. PARCHMENT REPLACEMENT
   If a replacement parchment is required, the following procedures must be followed:
   a. Name Change
      1. The original parchment must be returned before a new one will be issued.
      2. A written request, including the graduand’s signature, must be submitted, accompanied by copies of two pieces of documentation proving name change (e.g., marriage certificate, divorce decree, vital statistics certificate, etc).
      3. A $25 (plus GST) re-issue fee is charged.
   b. Lost or Stolen Parchment
      1. A written request, including the graduand’s signature, verifying the circumstances of loss must be submitted.
      2. A $25 (plus GST) re-issue fee is charged.
      Note: The parchment will be stamped in a lower corner indicating that it is a duplicate, with the date of re-issue.
   c. Damaged Parchment
      1. The original parchment, or what remains of a damaged parchment, must be returned before a new one will be issued.
      2. A written request, including the graduand’s signature, must be submitted.
      3. A $25 (plus GST) re-issue fee is charged.

10. CONVOCATION ATTENDANCE
    Graduands include only those whose degrees, diplomas or certificates have been approved by their Faculty Councils and who have no outstanding accounts with the University. Graduands must be dressed in the academic attire approved by the University of Lethbridge for the credential that is being conferred.
    The graduands process as a discrete group, sit in an area reserved for graduands, and proceed to the platform to have their credential conferred under the guidance of the Marshals of the Graduands. Unless a graduand can demonstrate a special need (e.g. service dog), no one except approved graduands will process and sit with the graduands, or appear on the platform for conferral.

   a. Academic Dress
      The academic dress of the University of Lethbridge is unique to the institution. Different kinds of degrees are represented by different kinds of academic dress as follows:
      Bachelor’s Degree
      Bachelor’s graduands wear a black gown and a black mortarboard.
      The Bachelor’s degree hoods are a shell of black lined with blue, trimmed with a twisted gold and blue cord. Specific degrees are distinguished by the colour of braid on the lining:
      Bachelor of Arts: White braid
      Bachelor of Science: Golden yellow braid
      Bachelor of Arts and Science: White and gold braid
      Bachelor of Education: Light blue braid
      Bachelor of Fine Arts: Brown braid
      Bachelor of Health Sciences: Red and gold braid
      Bachelor of Management: Light brown braid
      Bachelor of Music: Pink braid
      Bachelor of Nursing: Red braid
      Students receiving Combined Degrees wear the colours of the two degrees on the braid.
      Master’s Degree
      Master’s graduands wear a black gown and a black mortarboard.
      All master’s degree hoods are a shell of black, lined with blue. An exterior border of light blue satin indicates the hood is for a master’s-level degree and the distinguishing braid follows the colours of the undergraduate hoods.
      Doctor of Philosophy
      Doctor of Philosophy graduands wear a royal blue gown with walden blue velvet facings and chevrons, outlined in bright gold piping, and a walden blue befeather with a bright gold tassel.
      The Doctor of Philosophy hoods are a shell of royal blue, lined with sapphire blue satin and a bright gold chevron; the walden blue velvet trim is outlined in bright gold piping, reflecting the colours of the University of Lethbridge.
      Guest seating at Convocation is open to the general public subject to availability of seats within prescribed safety limits of the venue. However, the first priority for guest seating is assigned to invited guests of University of Lethbridge graduands.
      For the purposes of Convocation, the Academic Staff Party is restricted to Professors Emeriti, Registrar, current and retired Faculty Members, and Librarians, excluding Deans and Vice-Presidents. The Academic Staff process as a discrete group and sit on the platform. Academic Staff shall be robed in the academic regalia to which they are entitled by virtue of their recognized academic degree or, failing that, in the approved cap and gown of the University of Lethbridge.
      Any individual listed as a faculty member in the Calendar of an accredited post-secondary institution, the focus of which is on teaching, scholarship and research, shall be allowed to join and to process with the Academic Staff Party upon request to the Convocation Coordinator.
The **Chancellor’s Party** includes the Chair of the Board of Governors, full Deans and Vice-Presidents, members of the Senate Executive Committee, members of the Board of Governors, Native Student Advisor or their designate, and all those Distinguished Guests invited to Convocation by the Chancellor (including those individuals selected to receive honours). The Chancellor’s Party processes as a discrete group and sits according to a seating plan in a reserved area of the platform.

11. **REVOKING DEGREES**

The University has a policy to govern the revoking of a degree after it has been awarded. See *Part 4 - Academic Regulations, Policies, and Program Requirements, Section 9. Other Policies* (p. 81). The full policy is available online at www.uleth.ca/policy/revoking-degrees-policy.
1. INTERNATIONAL STUDENTS ................. 93
   a. Admission ............................. 93
   b. Fees .................................. 93
   c. Mandatory Health Care Insurance for
      International Students ................. 93

2. EXCHANGE STUDENTS ..................... 93
   a. University of Lethbridge Students Studying
      Elsewhere ............................... 93
   b. Exchange Students from Other Universities . 93

3. INTERNATIONAL STUDENT SERVICES ....... 93
   a. International Student Advisor .......... 93

4. LANGUAGE SERVICES .......................... 94

Part 6

UNIVERSITY OF LETHBRIDGE INTERNATIONAL

1. INTERNATIONAL STUDENTS
An international student is any student whose nation of
citizenship is not Canada, and who is not a Permanent Resident
of Canada. The University of Lethbridge encourages the
enrollment of international students. International students
comprise a vital and vibrant component of the University
community. Both international students and Canadian students
benefit from the presence of a strong international student
contingent. University of Lethbridge International was
established to support the academic and personal growth of
international students and exchange students. It is the goal of
U of L International to enrich the educational experience at
the University of Lethbridge by promoting a strong global
perspective.

a. Admission

   1. Admission Requirements and Procedures
   For information on admission, see Part 1 -
   Admission, Section 5. International Students
   (p. 41).
   For country-specific admission requirements see the
   website at www.uleth.ca/ross/admission-
   information/intl/intreq.

   2. English Language Proficiency
   All students whose first language is not English, see
   Part 1 - Admission, Section 6. English
   Language and Writing Requirements (p. 42).

b. Fees
For information on international student fees, see the fee
schedules in Part 3 - Fees, Section 7 (p. 58).

c. Mandatory Health Care Insurance for
   International Students
Effective May 1, 1996, the University of Lethbridge
requires all students to obtain and carry basic health
insurance, in addition to the Students' Union
supplementary health insurance plan. Students include all
individuals registered in credit or non-credit courses and
programs at the University of Lethbridge. Such insurance
must be arranged prior to the commencement of classes
for each term of study. The University requires that
students carry appropriate insurance both for their own
benefit and well-being and for the protection of the
community. The University reserves the right to rescind
registration privileges from any student not carrying basic
health insurance.

2. EXCHANGE STUDENTS
An Exchange student is any student who is enrolled at one
university but attending another university under an approved
exchange program.

   a. University of Lethbridge Students Studying
      Elsewhere
University of Lethbridge students who wish to participate
in an approved exchange program will first contact the
International Office. There are currently approved
exchange programs at institutions in over 25 countries.
Some exchange programs are only available to students in
specific Faculties or programs at the University of
Lethbridge. Please visit www.uleth.ca/international/
content/study-abroad-exchanges to see a current list of
countries available for exchange.
   For further information, contact the International Office
   (SU040; tel. 403-329-2053, fax 403-382-7140,
   or email: exchanges@uleth.ca).

   b. Exchange Students from Other Universities
The International Office is the first point of contact for
Exchange students coming to the University of Lethbridge
from an approved exchange program.
   For procedures and information pertaining to Exchange
   Students, see Part 1 - Admission, Section 3.d.
   (p. 37).

3. INTERNATIONAL STUDENT SERVICES
   a. International Student Advisor
The International Student Advisor (ISA) assists
international students in adapting to campus life socially,
academically and culturally. The ISA represents
international student interests at the institution, acts as an
advocate on behalf of international students on both
academic and welfare issues, and provides support,
referrals and information to students in areas such as visa
extensions, family support and academic support.
   The ISA also offers international students an orientation
to the University, and provides general advising services
and workshops.
   For further information, contact the ISA in the
   International Office (SU040; tel. 403-329-2053, fax 403-
   382-7140,
   or email: international.advice@uleth.ca.).
4. LANGUAGE SERVICES

Language Services is responsible for non-credit programs in English as a Second Language.

a. **English for Academic Purposes (EAP)**

The English for Academic Purposes (EAP) program is designed for students who are seeking admission into degree programs. Students who successfully complete the Advanced Level of EAP will satisfy the University’s English Language Proficiency (ELP) requirement, for either undergraduate or graduate levels, and will not be required to submit a standardized English language test (e.g., TOEFL, IELTS or CAEL) score for University of Lethbridge admission.

Offered in the fall, spring and summer, the University’s EAP program is designed for students with at least an intermediate level of ESL as assessed by the EAP program placement exam, which is administered at the start of the program.

The EAP program is available to Visa students, Permanent Residents and Canadian citizens.

Fees for the EAP program are outlined in the table below.

<table>
<thead>
<tr>
<th>ENGLISH FOR ACADEMIC PURPOSES FEES (SEE SECTION 3.b.1., ABOVE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(All fees are in Canadian dollars. The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fees (per semester)</th>
<th>2015/2016</th>
<th>2016/2017</th>
<th>2017/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EAP Full Time</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All levels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Tuition</td>
<td>$3,736.85</td>
<td>$3,811.60</td>
<td>$3,887.80</td>
</tr>
<tr>
<td><strong>EAP Part Time</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced level only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Writing</td>
<td>$934.20</td>
<td>$952.85</td>
<td>$971.90</td>
</tr>
<tr>
<td>Reading</td>
<td>$934.20</td>
<td>$952.85</td>
<td>$971.90</td>
</tr>
<tr>
<td>Grammar</td>
<td>$934.20</td>
<td>$952.85</td>
<td>$971.90</td>
</tr>
<tr>
<td>Communication</td>
<td>$934.20</td>
<td>$952.85</td>
<td>$971.90</td>
</tr>
<tr>
<td><strong>Compulsory Fees for All EAP Students</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EAP Application Fee</td>
<td>$125.00</td>
<td>$125.00</td>
<td>$125.00</td>
</tr>
<tr>
<td>Sport &amp; Recreation Services Fee (FT)</td>
<td>$90.40</td>
<td>$94.90</td>
<td>$99.75</td>
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<tr>
<td>Sport &amp; Recreation Services Fee (PT)</td>
<td>$67.80</td>
<td>$71.25</td>
<td>$74.75</td>
</tr>
<tr>
<td>Fine Arts Access Fee</td>
<td>$10.00</td>
<td>$10.20</td>
<td>$10.40</td>
</tr>
<tr>
<td>^ assessed in Fall &amp; Spring terms only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Care*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New students - four months of coverage</td>
<td>$217.00</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Returning students - four months of coverage</td>
<td>$228.00</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>* Rates are dependent on quotes from the external insurance carrier and are subject to change.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Care Insurance Fee</td>
<td>$36.75</td>
<td>$36.75</td>
<td>$36.75</td>
</tr>
<tr>
<td><strong>Fees for Other Services</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic English for International Grad Students</td>
<td>$724.35</td>
<td>$738.85</td>
<td>$753.60</td>
</tr>
</tbody>
</table>
Part 7

FACULTY OF ARTS AND SCIENCE

1. PHILOSOPHY AND PROGRAMS .......................... 96
   a. The Liberal Arts ........................................ 96
   b. General Intellectual Background .................... 96
   c. Depth of Knowledge ................................... 96
   d. Programs ................................................ 96
2. ADVISING AND INFORMATION .......................... 97
   a. Dean of Arts and Science ............................ 97
   b. Academic Advisors .................................... 97
   c. Department Advisors ................................... 97
3. ADMISSION ............................................. 98
   a. Bachelor of Arts
      Bachelor of Science
      Bachelor of Arts and Science ....................... 98
   b. Combined Degrees programs:
      B.A./B.Mgt. and B.Sc./B.Mgt. ......................... 98
   c. Combined Degrees programs:
      B.A./B.Ed. and B.Sc./B.Ed. ............................ 98
   d. Post-Diploma Bachelor of Arts or
      Bachelor of Science Programs ....................... 98
   e. Bachelor of Arts, Bachelor of Science, or
      Bachelor of Arts and Science After an
      Approved Degree ...................................... 99
   f. Pre-Professional Transfer Program in
      Engineering (Engineering Transfer Program) .... 99
4. ACADEMIC STANDARDS ............................... 99
   a. In Good Standing ....................................... 99
   b. Probation .............................................. 99
   c. Required Withdrawal - Academic Indices ........... 99
   d. Required Withdrawal - Semesters on
      Probation ............................................ 99
   e. Re-admission after Required Withdrawal .......... 99
5. INSTITUTIONAL HONOURS ............................. 100
   a. Dean's Honour List .................................... 100
   b. Standards for Distinction and Great
      Distinction ............................................ 100
6. ARTS AND SCIENCE DISCIPLINES ..................... 100
7. APPLIED STUDIES .................................... 100
8. INDEPENDENT STUDY ................................ 100
9. TOPICS COURSES ................................... 101
10. CROSS-LISTED COURSES ............................... 101
11. UNDERGRADUATE THESIS COURSES
    ('HONOURS THESIS' DESIGNATION) ................. 101
    a. Prerequisites ........................................ 102
    b. Supervisory Committee ............................. 102
    c. Initial Approval .................................... 102
    d. Final Assessment ................................... 102
    e. Eligibility for 'Honours Thesis' Designation ... 102
12. CO-OPERATIVE EDUCATION/INTERNSHIP
    PROGRAMS ........................................... 102
13. BACHELOR OF ARTS (B.A.) ........................ 103
    a. General Requirements ............................. 103
    b. Major Requirements ............................... 103
14. BACHELOR OF SCIENCE (B.Sc.) .................... 104
    a. General Requirements ............................. 104
    b. Major Requirements ............................... 104
15. BACHELOR OF ARTS AND SCIENCE (B.A.Sc.) .... 104
    a. General Requirements ............................. 104
    b. Major Requirements ............................... 105
16. MAJORS .............................................. 105
    a. Agricultural Biotechnology ....................... 105
    b. Agricultural Studies (B.A.) ....................... 106
    c. Agricultural Studies (B.Sc.) ..................... 107
    d. Anthropology ....................................... 109
    e. Applied Statistics ................................ 109
    f. Archaeology and Geography
       (B.A. and B.Sc.) .................................. 110
    g. Art .................................................. 111
    h. Biochemistry ....................................... 112
    i. Biological Sciences ................................ 112
    j. Canadian Studies .................................. 113
    k. Chemistry .......................................... 114
    l. Computer Science ................................ 115
    m. Computer Science and Geographical
       Information Science ................................ 116
    n. Dramatic Arts ...................................... 116
    o. Economics .......................................... 117
    p. English ............................................. 118
    q. Environmental Science ............................ 119
    r. French .............................................. 120
    s. French/German ..................................... 121
    t. French/Spanish ..................................... 121
    u. General Major in the Humanities ................. 122
    v. General Major in the Sciences ................... 122
    w. General Major in the Social Sciences .......... 123
    x. Geography (B.A.) .................................. 123
    y. Geography (B.Sc.) ................................ 124
    aa. German ............................................. 125
    bb. History ........................................... 126
    cc. Kinesiology (B.A.) ................................. 126
    dd. Kinesiology (B.Sc.) ............................... 127
    ee. Mathematics ....................................... 128
    ff. Music ............................................... 128
    gg. Native American Studies ......................... 129
    hh. Neuroscience ...................................... 130
    ii. Philosophy ......................................... 131
    jj. Physics ............................................ 132
    kk. Political Science .................................. 132
    ll. Psychology (B.A. and B.Sc.) ..................... 133
    mm. Religious Studies ................................ 133
    nn. Remote Sensing ................................... 134
    oo. Sociology .......................................... 135
    pp. Urban and Regional Studies .................... 135
    qq. Women and Gender Studies ..................... 136
    rr. Double Majors ..................................... 137
    ss. Individual Multidisciplinary Majors ........... 137
1. PHILOSOPHY AND PROGRAMS

The Faculty of Arts and Science offers instruction in the humanities and the natural, social and mathematical sciences. The Faculty of Arts and Science commits itself to the development of well-educated persons in three dimensions of liberal education: the liberal arts, general intellectual background and depth of knowledge, as broadly defined in the sections below:

a. The Liberal Arts

   Literacy: the ability to read and interpret texts from diverse media, discourses and genres, and to express oneself in writing.
   Information literacy: the ability to discern when information is needed, and the ability to find, evaluate and use information effectively.
   Oral expression: the ability to listen and understand oral messages, and to express oneself effectively in a wide range of interpersonal contexts.
   Numeracy: the ability to work effectively with quantitative ideas and mathematical relations.
   Critical thinking: the ability to evaluate reasoning systematically and to argue well in support of deserving ideas.
   Integrative thinking: the ability to make connections among diverse and superficially unconnected things.
   Problem solving: the ability to recognize the problematic nature of the world and the ability to address those problems in a rigorous and imaginative way.

b. General Intellectual Background

   A sense of historical consciousness; an awareness of events in time and their significance to each other; and the relation of oneself and one’s community within them.

A wide-ranging grasp of what the sciences tell us about the world in which we live; their methods, limitations, purposes and interactions with the global community and the world.
Reflection of one’s own values and an openness to change.
An understanding of, and a respect for, the causes and consequences of cultural, group and interpersonal differences.
A critical understanding and an appreciation of the creative and aesthetic dimensions of life.
The ability to comprehend and analyze the many facets of social life.
An awareness of the body and the physical contexts in which we apprehend reality, and the development of well-being.

c. Depth of Knowledge

   A capacity to comprehend the complexity of ideas through sequential, developmental learning in a single subject or discipline.
The development of the competency to do rigorous independent work in a subject or discipline.
A critical grasp of the assumptions, arguments, approaches and controversies that have shaped particular claims and findings within a subject or discipline, and an understanding of the connections among disciplines.

Programs
The Faculty of Arts and Science offers three baccalaureate (i.e. bachelor’s) degrees: the Bachelor of Arts (B.A.), the Bachelor of Science (B.Sc.), and the Bachelor of Arts and Science (B.A.Sc.).
A baccalaureate degree is an academic degree awarded by a university to a person who has successfully completed undergraduate studies.

The Bachelor of Arts is awarded in recognition of the satisfactory completion of a prescribed set of program requirements. Students must declare a major in a humanities, fine arts, or social science discipline and complete all the requirements for the chosen major and the degree.

The Bachelor of Science is awarded in recognition of the satisfactory completion of a prescribed set of program requirements. Students must declare a major in a science discipline and complete all the requirements for the chosen major and the degree.

The Bachelor of Arts and Science is awarded in recognition of the satisfactory completion of a prescribed set of program requirements. Students must declare two majors, one in a humanities, fine arts, or social science discipline and one in a science discipline, and complete all the requirements for both chosen majors and for the degree.

All undergraduate degree programs in the Faculty of Arts and Science require students to complete the General Liberal Education Requirement (GLER). In some post-diploma programs or for the second degree program, students must complete a modified GLER. See Part 4, Section 10, pp. 83-86 for details.

The Faculty of Arts and Science offers the following programs:

- A 40-course (120.0 credit hour) program leading to the Bachelor of Arts (B.A.). See Section 12 in this Part.
- A 40-course (120.0 credit hour) program leading to the Bachelor of Science (B.Sc.). See Section 13 in this Part.
- A 40-course (120.0 credit hour) program leading to the Bachelor of Arts and Science (B.A.Sc.). See Section 14 in this Part.
- A 20-course (60.0 credit hour) post-diploma program in Agricultural Studies leading to the Bachelor of Arts (B.A.). See Section 21.a in this Part.
- A 20-course (60.0 credit hour) post-diploma program in Agricultural Studies leading to the Bachelor of Science (B.Sc.). See Section 21.b in this Part.
- A 20-course (60.0 credit hour) post-diploma program in Computer Science leading to the Bachelor of Science (B.Sc.). See Section 21.c in this Part.
- A 20-course (60.0 credit hour) post-diploma program in Environmental Science leading to the Bachelor of Science (B.Sc.). See Section 21.d in this Part.
- A 20-course (60.0 credit hour) post-diploma program in Geography, with a Concentration in Geographical Information Science, leading to the Bachelor of Science (B.Sc.). See Section 21.e in this Part.
- A 30-course (90.0 credit hour) program leading to the Bachelor of Arts (B.A.) or Bachelor of Science (B.Sc.) portion of the Bachelor of Arts/Bachelor of Education (B.A./B.Ed.) or Bachelor of Science/Bachelor of Education (B.Sc./B.Ed.). Neither degree is granted until requirements for the entire combined degrees program are completed. See Part 13 - Combined Degrees.

Students who hold an undergraduate degree may be eligible to complete a minimum 20-course program leading to the B.A., B.Sc., or BASc. as a second degree. See Section 19 in this Part.

The 40-course B.A., B.Sc., and BASc., programs can be completed in eight consecutive semesters if students complete five courses (15.0 credit hours) per semester. Students may choose to reduce their course load to accommodate other commitments such as family or employment responsibilities. Students in good standing may take up to six courses (18.0 credit hours) in a semester. Students on academic probation may not register in more than four courses (12.0 credit hours).

2. ADVISING AND INFORMATION

Academic advising in Arts and Science takes account of the variety of educational goals for which the Faculty wholly or partly provides and affiliates with other student services in the University.

a. Dean of Arts and Science

As well as being the administrative head of the Faculty of Arts and Science, the Dean of Arts and Science has direct responsibility for all academic programs and all years of study in Arts and Science. Appeals and issues of interpretation for students in Arts and Science should be directed to the Office of the Dean of Arts and Science.

b. Academic Advisors

Academic advising for the Faculty of Arts and Science is the responsibility of Academic Advisors, located in the Arts and Science Student Program Services Office, Students' Union Building, Level 0.

Students may consult Academic Advisors for assistance with a variety of academic concerns, including program planning, declaration of majors, General Majors, readmission, applications for Incompletes or Withdrawals with Cause, authorized study at another university, and pre-professional transfer programs.

c. Department Advisors

Each Arts and Science department and program designates an advisor who knows in detail department courses, prerequisites and course schedules, as well as all aspects of the department's major program. In some departments, the Chair serves as department advisor. Although the minimum requirements for each major program are fully detailed in this Calendar, students should plan their major programs in consultation with the department advisor in order to ensure meeting their own individual aims. These aims may include graduate school or professional school admission and vocational goals.

However, department advisors have no authority regarding degree, program or major requirements as set out in this Calendar. For information on such matters, students should consult Academic Advisors.
3. ADMISSION

a. Bachelor of Arts
Bachelor of Science
Bachelor of Arts and Science
Admission to the Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), or Bachelor of Arts and Science (BASc.) programs may be gained by one of the following admission routes:
1. Alberta or other Canadian high school credentials.
2. Transfer from recognized colleges or universities.
3. Adult (Mature) Admission.
4. Credentials from other countries.
The admission policies and procedures set out in Part 1-Admissions of this Calendar apply. See Part 1, Section 3.a.1 (p. 28) for general admission requirements. The required admission average is 65%.

Please note that, for the Bachelor of Science with a Major in Environmental Science, enrolment limits may be invoked. Admission is competitive and is based upon academic achievement prior to admission as assessed by the Faculty of Arts and Science, whose decision shall be final.

b. Combined Degrees programs: B.A./B.Mgt. and B.Sc./B.Mgt.
See Part 13 - Combined Degrees, (p. 229) for additional admission requirements.

Students begin the program in the Faculty of Arts and Science and must meet general admission requirements for the B.A. or B.Sc. as outlined in Part 1 - Admissions, Section 3.a.1 (p. 28). Students who have declared their intention of completing the combined degrees and who have not yet been admitted to the Faculty of Education are designated pre-B.A./B.Ed. or pre-B.Sc./B.Ed.
Admission to the combined degrees programs is competitive and typically occurs after two or three years of university study. See Part 13, Section 3.a for details.

d. Post-Diploma Bachelor of Arts or Bachelor of Science programs
1. Post-Diploma Bachelor of Arts in Agricultural Studies
   Post-Diploma Bachelor of Science in Agricultural Studies
   a. Admission Requirements
      1. Completion of an approved two-year college diploma program in Agriculture with a minimum cumulative grade point average of 2.50, on a 4.00 scale, in the diploma program.
      OR
      2. Subject to the permission of the Dean of Arts and Science, completion of an approved two-year college diploma program in Agriculture with a cumulative grade point average between 2.00 and 2.49, on a 4.00 scale, in the diploma program.

   Applicants must follow the procedures outlined for all students in Part 1 - Admission, Section 8, p. 47.

2. Post-Diploma Bachelor of Science in Computer Science
   a. Admission Requirements
      1. Completion of an approved two-year college diploma program in Computer Systems Technology or Computer Information Technology with a minimum cumulative grade point average of 2.50, on a 4.00 scale, in the diploma program.
      OR
      2. Subject to the permission of the Dean of Arts and Science, completion of an approved two-year college diploma program with a cumulative grade point average between 2.00 and 2.49, on a 4.00 scale, in the diploma program.

   Applicants must follow the procedures outlined for all students in Part 1 - Admission, Section 8, p. 47.

3. Post-Diploma Bachelor of Science in Environmental Science
   a. Admission Requirements
      1. Completion of an approved two-year college diploma program in Environmental Science or related area with a minimum cumulative grade point average of 2.75, on a 4.00 scale, in the diploma program.
      OR
      2. Subject to the permission of the Dean of Arts and Science, completion of an approved two-year college diploma program in Environmental Science or related area with a cumulative grade point average between 2.00 and 2.74, on a 4.00 scale, in the diploma program plus directly related work experience.

   Applicants follow the procedures outlined for all students in Part 1 - Admission, Section 8, p. 47. Students with a cumulative grade point average of less than 2.75 must submit proof of directly related work experience.

4. Post-Diploma Bachelor of Science in Geography, with a Concentration in Geographical Information Science
   a. Admission Requirements
      1. Completion of an approved two-year college diploma program in Geography, Geomatics, or Land Resource Information Systems with a minimum cumulative grade point average of 2.50, on a 4.00 scale, in the diploma program.

   Applicants must follow the procedures outlined for all students in Part 1 - Admission, Section 8, p. 47 and must also submit an official college transcript.
4. ACADEMIC STANDARDS

For graduation, students must attain a minimum cumulative grade point average of 2.00 on a minimum of 20 courses taken at the University of Lethbridge for credit toward the degree.

a. In Good Standing

To be in good standing, a student must maintain the following minimum cumulative grade point average (GPA):

<table>
<thead>
<tr>
<th>Number of Completed Courses</th>
<th>GPA (U of L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10</td>
<td>1.70</td>
</tr>
<tr>
<td>11-20</td>
<td>1.85</td>
</tr>
<tr>
<td>21-40</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Students in the post-diploma B.A. in Agricultural Studies, the post-diploma B.Sc. in Agricultural Studies, the post-diploma B.Sc. in Computer Science, the post-diploma B.Sc. in Environmental Science and the post-diploma B.Sc. in Geography with a Concentration in Geographical Information Science programs will be considered with students who have completed 21 to 40 courses.

d. Required Withdrawal - Semesters on Probation

Students who, at the end of the spring semester, have remained on academic probation for two or more consecutive semesters, are required to withdraw from the University.

Note: The legislation, as indicated in c. and d., applies both to students registered in the fall semester who did not continue in the spring semester and to students registered in the spring semester. All students' records are reviewed once per year, at the end of the spring semester.

e. Readmission after Required Withdrawal

Students dismissed for academic reasons will not be granted readmission until the lapse of one year. Applicants for readmission after required withdrawal must complete no less than eight transferable courses (24.0 credit hours) with an overall GPA of 2.00 or higher on the University of Lethbridge 4.00 GPA scale to be eligible for readmission. Students required to withdraw twice are not usually eligible for readmission.

Tabula Rasa will be granted to all first-degree University of Lethbridge students registered in programs offered by the Faculty of Arts and Science upon readmission after required withdrawal for unsatisfactory academic performance.

Tabula Rasa will be granted only once, upon readmission after the first required withdrawal. Credit is retained for all previous courses completed with a grade of 'C-' or above, or 'P', or 'C', up to the following limits:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Ungraded Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>40-course (120.0 credit hours) B.A., B.Sc., and BASc.</td>
<td>20 ungraded courses</td>
</tr>
<tr>
<td>30-course (90.0 credit hours) Combined Degrees B.A. and B.Sc.</td>
<td>15 ungraded courses</td>
</tr>
<tr>
<td>20-course (60.0 credit hours) Post-Diploma B.A. and B.Sc.</td>
<td>5 ungraded courses</td>
</tr>
</tbody>
</table>

Although credit is retained, the grades for these courses are not calculated in the GPA. Students readmitted after required withdrawal are readmitted on condition of...
academic probation and limited to a maximum of four courses (12.0 credit hours).

Students who have received Tabula Rasa and are seeking admission to a Faculty other than Arts and Science are advised to contact that Faculty.

5. INSTITUTIONAL HONOURS

a. Dean’s Honour List

Students with outstanding academic performance are recognized on the Dean’s Honour List. The list is compiled twice yearly at the end of the fall and spring semesters.

Students completing four or more graded courses in one semester must achieve a grade point average of 3.75 or higher on these courses to qualify.

b. Standards for Distinction and Great Distinction

Students who have displayed outstanding academic performance during their undergraduate degree programs are awarded their degrees 'With Distinction' or 'With Great Distinction.'

Students with an award GPA of 3.50 to 3.74 are awarded their degree 'With Distinction.' Students with an award GPA of 3.75 or higher are awarded their degree 'With Great Distinction.'

For purposes of awarding degrees 'With Distinction' or 'With Great Distinction,' the Faculty of Arts and Science determines an award GPA by factoring into the University of Lethbridge cumulative GPA, actual grades on transfer courses, and A+ grades as 4.30 grade points.

6. ARTS AND SCIENCE DISCIPLINES

A discipline is a branch of knowledge or learning. Disciplines are indicated in the Calendar by distinct course titles and course subject abbreviations. The Faculty of Arts and Science (in conjunction with the Faculty of Fine Arts) offers courses at the undergraduate level in the following disciplines:

- Agricultural Biotechnology (AGBT)
- Agricultural Studies (AGST)
- Anthropology (ANTH)
- Applied Studies (APST)
- Archaeology (ARKY)
- Art (ART)*
- Art History/Museum Studies (AHMS)*
- Asian Studies (ASIA)
- Astronomy (ASTR)
- Biochemistry (BCHM)
- Biology (BIO L)
- Blackfoot (BKFT)
- Canadian Studies (CNST)
- Chemistry (CHEM)
- Computer Science (CPS C)
- Cree (CREE)
- Drama (DRAM)*
- Economics (ECON)
- History (HIST)
- Interdisciplinary Studies (IDST)
- Japanese (JPN)
- Kinesiology (KINES)
- Latin (LATI)
- Liberal Education (LBED)
- Library Science (LBSC)
- Linguistics (LING)
- Logic (LOGI)
- Mathematics (MATH)
- Modern Languages (MODL)
- Music (MUSI)*
- Music Ensemble Activity (MUSE)*
- Native American Studies (NAS)
- Neuroscience (N EUR)
- New Media (N MED)*
- Philosophy (PHIL)
- Physical Activity (PHAC)
- Philosophy (PHIL)
- Political Science (PO LI)
- Psychology (PSY C)
- Religious Studies (RELS)
- Remote Sensing (RMTS)
- Sociology (SO CI)
- Spanish (SPAN)
- Statistics (STAT)
- Urban and Regional Studies (UBRE)
- Women and Gender Studies (W GST)
- Writing (WRIT)
- Hispanic Studies (HPST)

Note: Disciplines indicated by an asterisk (*) are offered by the Faculty of Fine Arts. For all degree regulations, disciplines offered by the Faculty of Fine Arts are considered in the same way as Arts and Science disciplines.

7. APPLIED STUDIES

Applied Studies courses offer students the opportunity to earn academic credit for employment or volunteer experiences that offer significant learning at a level suitable for the awarding of university credit. During the field placement, students explore their interests and aptitudes, and test and reinforce the theories and principles learned in the classroom.

To be eligible for an Applied Studies course, students must have a minimum cumulative GPA of 2.00 and second-year standing (a minimum of 30.0 credit hours).

Credit is earned in Applied Sciences 2000 or 2001 for successful completion of 130 placement hours, an employer evaluation, and written assignments. Additional credit in Applied Studies 2010 or 2011 may be earned by successful completion of a Learning Plan and a project or paper exploring a job-related issue within a specific academic context.

Disciplinary credit involves an employer evaluation, submission of a Learning Plan that outlines learning objectives, and an academic project or paper to be graded by a supervising faculty member from within the selected discipline.

Disciplinary credit is signified by the series numbers 2980-85, 3980-85, and 4980-85.

To register in Applied Studies courses, students must apply to the Applied Studies Office no later than the deadline published in the Timetable. Application packages may be obtained from the Applied Studies Office (AH154; tel. 403-329-200).

The Applied Studies Office coordinates Applied Studies for all Faculties and majors.

8. INDEPENDENT STUDY

An Independent Study is a course for which credit is earned through individual study under the supervision of an instructor. Independent Study may be taken for credit inside or outside of the student’s major subject or in an interdisciplinary mode. Some major programs require an Independent Study component. Each Arts and Science program has a limit on the number of Independent Study courses that may be completed for credit. Please refer to the appropriate entry later in this section and Part 4, Section 2.c, Exceeding Course Limits, p. 70. Independent Study numbers 2990, 3990 and 4990 indicate the level of advancement.

Independent Study may be elected as early as the second semester or as late as the last, depending upon the capability...
of the student for undertaking academic work with a minimum of guidance. Independent Study may take a variety of forms including library research, laboratory research projects or field study. Since Independent Study is intended to expand a student's program beyond the limits of the regular curriculum, it may not be used to duplicate course offerings.

Admission to Independent Study is achieved through consent of the instructor, who agrees to guide the study, and by approval of the Department and the Dean. Enrolment may be for a regular semester or during a summer session. Credit for Independent Study is at the discretion of the Department, upon recommendation of the instructor. Grades are due at the end of the term of registration, as for regular courses. For further information, students should consult the Department or faculty member under whom they wish to pursue an Independent Study.

9. TOPICS COURSES

Topics courses (numbered 1850, 2850, 3850, or 4850) may be offered in a discipline. The subject matter of Topics courses varies with each offering, with different offerings indicated by distinct titles. Students may take more than one offering of a Topics course for credit if the offerings are distinct (i.e., if each offering taken has a different title).

Topics courses are offered on an irregular basis and do not appear in Part 14 (Courses) of the Calendar; Topics courses are listed in the current semester Timetable. Contact hours for Topics courses may vary according to the nature of the course and will appear in the Timetable entry.

Prerequisites/corequisites/recommended background for individual offerings will appear in the Timetable entry and will normally specify one or more of the following: level-appropriate courses in the discipline/related disciplines, year of standing, appropriate majors, admission to a University of Lethbridge program, or some other special requirement (e.g., an interview).

10. CROSS-LISTED COURSES

There are two types of cross-listed courses, or courses offered by two distinct units, available at the University of Lethbridge: courses cross-listed between two different Faculties, and courses cross-listed between two different disciplines within a Faculty. Cross-listed courses appear in the Calendar and will appear on the student's academic records in the dual form, for example, Economics 2070/Management 2070.

Courses cross-listed between Faculties count within a B.A., B.Sc., or BASc. program as the Arts and Science discipline. For example, Economics 2070/Management 2070 will be used as Economics 2070 for all regulations and requirements relating to the B.A., B.Sc., and BASc.

Courses cross-listed between two disciplines offered by the Faculty of Arts and Science count within a B.A., B.Sc., or BASc. program as either discipline (but not both disciplines). For example, Archaeology 3600/Liberal Education 3600 may count as either Archaeology or Liberal Education for all regulations and requirements relating to the B.A., B.Sc., or BASc.

11. UNDERGRADUATE THESIS COURSES ('HONOURS THESIS' DESIGNATION)

In some disciplines, qualified students in the Bachelor of Arts, Bachelor of Science, or Bachelor of Arts and Science programs may elect to complete an Undergraduate Thesis course (6.0 credit hours) linked to their declared major. Students who complete all requirements and satisfy the academic standards required for the Undergraduate Thesis course for their declared major are eligible to receive the 'Honours Thesis' designation on their official transcript and degree parchment.

Students completing a combined degrees program, post-diploma program, or a B.A., B.Sc., or BASc. as a second degree may not count the 6.0 credit hour Undergraduate Thesis towards the requirements of their chosen major or degree program, although they are eligible to receive the 'Honours Thesis' designation by completing this course in addition to the minimum requirements for their chosen major and degree program.

Undergraduate Thesis courses are numbered 4995 and are available for Arts and Science majors as indicated below:

<table>
<thead>
<tr>
<th>Arts and Science major</th>
<th>Undergraduate Thesis course allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Biotechnology</td>
<td>Agricultural Biotechnology 4995</td>
</tr>
<tr>
<td>Agricultural Studies (B.A. or B.Sc.)</td>
<td>Agricultural Studies 4995</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Anthropology 4995</td>
</tr>
<tr>
<td>Archaeology and Geography (B.A. or B.Sc.)</td>
<td>Archaeology 4995 or Geography 4995</td>
</tr>
<tr>
<td>Art</td>
<td>Art 4995 or Art History/Museum Studies 4995</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>Biochemistry 4995</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>Biology 4995</td>
</tr>
<tr>
<td>Canadian Studies</td>
<td>Canadian Studies 4995</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Chemistry 4995</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Computer Science 4995</td>
</tr>
<tr>
<td>Computer Science and Geographical Information Science</td>
<td>Computer Science 4995 or Geography 4995</td>
</tr>
<tr>
<td>Dramatic Arts</td>
<td>Not available</td>
</tr>
<tr>
<td>Economics</td>
<td>Economics 4995</td>
</tr>
<tr>
<td>English</td>
<td>English 4995</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Environmental Science 4995</td>
</tr>
<tr>
<td>French</td>
<td>French 4995</td>
</tr>
<tr>
<td>French/German</td>
<td>French 4995 or German 4995</td>
</tr>
<tr>
<td>French/Spanish</td>
<td>French 4995 or Spanish 4995</td>
</tr>
<tr>
<td>General Major in the Humanities</td>
<td>Not available</td>
</tr>
<tr>
<td>General Major in the Social Sciences</td>
<td>Not available</td>
</tr>
<tr>
<td>Geography (B.A. or B.Sc.)</td>
<td>Geography 4995</td>
</tr>
<tr>
<td>German</td>
<td>German 4995</td>
</tr>
<tr>
<td>History</td>
<td>History 4995</td>
</tr>
<tr>
<td>Kinesiology (B.A. or B.Sc.)</td>
<td>Kinesiology 4995</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics 4995</td>
</tr>
<tr>
<td>Music</td>
<td>Not available</td>
</tr>
<tr>
<td>Native American Studies</td>
<td>Native American Studies 4995</td>
</tr>
<tr>
<td>Neuroscience</td>
<td>Neuroscience 4995</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Philosophy 4995 or Logic 4995</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics 4995</td>
</tr>
<tr>
<td>Political Science</td>
<td>Political Science 4995</td>
</tr>
<tr>
<td>Psychology (B.A. or B.Sc.)</td>
<td>Psychology 4995</td>
</tr>
</tbody>
</table>
Prospective ‘Honours Thesis’ candidates must meet the following prerequisites:

1. Fourth-year standing (a minimum of 90.0 credit hours).
2. A cumulative GPA of 3.30 (or higher if the Department/Unit requires).
3. Any further prerequisite(s) as determined by the Department/Unit. (See Part 14 - Courses for details on approved courses.)

b. Supervisory Committee

For each prospective ‘Honours Thesis’ candidate, a Supervisory Committee will be established. The Supervisory Committee, approved by the Department offering the Undergraduate Thesis course, will consist of the Thesis Supervisor from the Department and a minimum of one other reader, who may be from outside the Department.

Note: For majors not housed in a Department, the Supervisory Committee composition shall be proposed by the Program Coordinator, subject to endorsement by the Dean.

c. Initial Approval

1. The prospective student must present a Thesis Proposal to be approved by the Supervisory Committee prior to registration for the course.
2. The Supervisory Committee will establish at the outset the weighting of the written and oral components of the thesis, as well as the procedure for determining the final grade.
3. Subsequent changes to the approved Thesis Proposal must be approved by the Supervisory Committee.
4. The prospective student must submit an unofficial transcript for review by the Supervisory Committee.
5. Admission to the course is achieved through approval of the Supervisory Committee and the Department, or Program Coordinator, endorsed by the Dean whose signature indicates that the necessary resources are available for the project.
6. The student must register for the Undergraduate Thesis course by the last day for course Add/Drop for the given fall/spring semester or summer session.

d. Final Assessment

The final assessment for the Undergraduate Thesis is based on two criteria:

1. Written Component
   a. The Undergraduate Thesis must be a sustained piece of supervised research demonstrating a superior level of academic ability on a matter approved by the Supervisory Committee prior to registration in the course.

2. Oral Component
   The student will be required to make a formal oral presentation demonstrating the ability to articulate clearly the nature of the project undertaken, the research methodology and the results of the project. This component is a demonstration of the student’s competence in oral communication and not necessarily an oral defence of the thesis, unless so specified by the Department.

e. Eligibility for ‘Honours Thesis’ Designation

Students are eligible to receive the ‘Honours Thesis’ designation on their official transcript and degree parchment only if they achieve a minimum grade of ‘B+’ (3.30 or higher) for the Undergraduate Thesis course, and have satisfactorily completed the required oral component. Students who achieve grades between ‘D’ and ‘B’, inclusive, and/or do not complete the oral component will retain credit for the equivalent of two courses (6.0 credit hours) but will not be eligible for the ‘Honours Thesis’ designation.

Students may not repeat an Undergraduate Thesis course and may not complete more than one Undergraduate Thesis course per degree.

Inquiries about the availability of the ‘Honours Thesis’ option should be directed to the respective Department/Unit. Please refer to Part 4 - Academic Regulations, Section 2.f. (p. 71) for more information on the ‘Honours Thesis’ designation.

12. CO-OPERATIVE EDUCATION/INTERNSHIP PROGRAMS

Co-operative Education/Internship Programs are available to students in all majors in the Humanities and Social Sciences in the B.A., Post-Diploma B.A., B.A.Sc., B.A./B.Ed. (including pre-B.A./B.Ed.) and B.A./B.Mgt. degree programs, and are available to students in all Science majors in the B.Sc., Post-Diploma B.Sc., B.A.Sc., B.Sc./B.Ed. (including pre-B.Sc./B.Ed.) and B.Sc./B.Mgt. degree programs.

Co-operative Education/Internship Programs differ from other forms of education in that they formally integrate a student's academic and career studies on campus with relevant and productive work experience in industry, business or government. The Coordinator, the Faculty of Arts and Science, and the employer share in the enrichment of the student's academic program and in the intellectual, personal, and professional development of the student.

Faculty of Arts and Science Co-operative Education Programs are accredited by the Canadian Association for Co-operative Education (CAFCE).

Further information and details concerning admission and requirements may be obtained from the Office of Co-operative Education/Internship Programs (AH154; tel. 403-332-4461; email: artsco.coop@uleth.ca; website: www.uleth.ca/artsco/coop).

a. Admission

Students are often able to secure a Co-op placement at the end of their first year. Students are therefore encouraged to contact the Faculty of Arts and Science Co-operative Education Office as soon as possible in their program.

The criteria for admission include:
1. Minimum second-year standing (a minimum of 30.0 credit hours)
2. Grade point average and academic standing
3. Resumé and application form
4. Personal interview
5. Ability to perform in a work setting

Other factors such as labour market conditions, work experience, volunteer experience and extracurricular activities are also considered when selecting participants for the program.

b. Requirements

Students may complete between one and six work terms in one or more placements. Co-op work terms are normally four months in length and can begin in January, May or September each year. Co-op internships are usually undertaken by students in the third or fourth year of their program and are usually 12-16 months (i.e. three or four work terms) in duration.

To receive the Co-op designation for the degree students must complete successfully the course, major and degree requirements for the degree program in addition to a minimum of three work terms:

- Arts and Science 3011 - Co-op Work Experience I
- Arts and Science 3012 - Co-op Work Experience II
- Arts and Science 3013 - Co-op Work Experience III

Students may also opt for the maximum of three additional work terms:

- Arts and Science 3014 - Co-op Work Experience IV
- Arts and Science 3015 - Co-op Work Experience V
- Arts and Science 3016 - Co-op Work Experience VI

Students are also required to complete pre-employment preparation training prior to the first work term.

Students must be registered for the entire duration of the work term(s) applied for through the Co-op program, including extensions, and, once registered, are not permitted to withdraw from the work placement without penalty of failure. A grade of 'F' - Fail - will be entered on the transcript for the whole term(s) unless extenuating circumstances warrant granting of a Withdrawal with Cause ("WC"), in accordance with University of Lethbridge policy (see Part 4, Section 3, p. 68). Where approval is granted by the Coordinator of Co-operative Education and the Dean of Arts and Science, a "WC" will be entered on the transcript. Tuition fees will be assessed as per the University's Withdrawal with Cause policy. Students may consult the Co-op student handbook for further information/regulations and should contact the Coordinator of Co-operative Education for assistance with the procedure.

c. Continuation in the Programs

Students must acknowledge, accept and abide by the requirements and regulations as outlined in the Calendar and the Co-op student handbook.

d. Transfer of Co-op Terms

For the purpose of fulfilling the Arts and Science Co-operative Education requirement of three work term courses to earn the Co-op designation, a maximum of one Co-op work term from another institution with formal co-operative education programs shall be eligible for recognition toward the requirement. To be eligible for recognition, the Co-op work term shall be subject to special assessment by the Arts and Science Co-operative Education Office. An approved Co-op work term must be registered as a non-academic course on the student's transcript from the sending institution and must have received a passing grade (either a letter grade or "Pass").

13. BACHELOR OF ARTS (B.A.)

a. General Requirements

1. Completion of at least 40 courses (120.0 credit hours) with a grade point average of at least 2.00.
2. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
3. Not more than 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE).
4. Completion of at least 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).
5. Not more than five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.
6. Not more than five Disciplinary Credit Applied Studies courses (15.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.
7. Not more than 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.

Note: Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).

8. Not more than six credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for credit towards the degree, except for Kinesiology majors (not more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).
9. Not more than four courses (12.0 credit hours) from disciplines offered outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed for credit towards the degree. Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.
10. Residence requirement: at least 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including the last 10 courses (30.0 credit hours) completed for credit towards the degree.

(See Part 4, Section 2.c, Exceeding Course Limits, p. 70.)

b. Major Requirements

For the Bachelor of Arts, a major program must be chosen and completed from among the following majors: Agricultural Studies, Anthropology, Archaeology and Geography, Art, Canadian Studies, Dramatic Arts, Economics, English, French, French/German*, French/Spanish, a General Major in the Humanities, a General
14. BACHELOR OF SCIENCE (B.Sc.)

a. General Requirements

1. Completion of at least 40 courses (120.0 credit hours) with a grade point average of at least 2.00.

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

3. Not more than 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE).

4. Completion of at least 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).

5. Not more than five Independent Study courses (15.0 credit hours) may be completed for credit for a residence requirement.

6. Not more than five Disciplinary Credit Applied Studies courses (15.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.

7. Not more than 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.

Note: Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).

8. Not more than six credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for credit towards the degree, except for Kinesiology majors (not more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).

9. Not more than four courses (12.0 credit hours) from disciplines offered outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed for credit towards the degree. Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.

10. Residence requirement: at least 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including the last 10 courses (30.0 credit hours) completed for credit towards the degree.

(See Part 4, Section 2c, Exceeding Course Limits, p. 70)

b. Major Requirements

For the Bachelor of Science, a major program must be chosen and completed from among the following majors: Agricultural Biotechnology, Agricultural Studies, Applied Statistics, Archaeology and Geography, Biochemistry, Biological Sciences, Chemistry, Computer Science, Computer Science and Geographical Information Science, Environmental Science, a General Major in the Sciences, Geography, Kinesiology, Mathematics, Neuroscience, Physics, Psychology, Remote Sensing, or an individual multidisciplinary major program.

Residence requirement: at least half of the courses required in the major must be completed at the University of Lethbridge.

15. BACHELOR OF ARTS AND SCIENCE (BASc.)

a. General Requirements

1. Completion of at least 40 courses (120.0 credit hours) with a grade point average of at least 2.00.

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

3. Not more than 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE).

4. Completion of at least 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).

5. Not more than five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.

6. Not more than five Disciplinary Credit Applied Studies courses (15.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.

7. Not more than 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.

Note: Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).

8. Not more than six credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for credit towards the degree, except for Kinesiology majors (not more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).

9. Not more than four courses (12.0 credit hours) from disciplines offered outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed for credit towards the degree. Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.

10. Residence requirement: at least 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including the last 10 courses (30.0 credit hours) completed for credit towards the degree.

(See Part 4, Section 2c, Exceeding Course Limits, p. 70)
b. **Major Requirements**

For the Bachelor of Arts and Science, students must complete two majors: an Arts major chosen from the list of eligible majors below, and a Science major chosen from the list of eligible majors below.

**Eligible Arts Majors**
- Anthropology
- History
- Art
- Kinesiology
- Dramatic Arts
- Music
- Economics
- Native American Studies
- English
- Philosophy
- French
- Political Science
- French/German*
- Psychology
- French/Spanish
- Religious Studies
- Geography
- Sociology
- German*
- Women and Gender Studies

**Eligible Science Majors**
- Biological Sciences
- Kinesiology
- Chemistry
- Mathematics
- Computer Science
- Physics
- Geography
- Psychology

* Majors in French/German and German have been suspended (see p. 121 and p. 125)

**Note:** Majors in Geography, Kinesiology, and Psychology may be used as either the Arts major or the Science major but not both.

General majors, Individual Multidisciplinary majors, and established majors in Agricultural Biotechnology, Agricultural Studies, Applied Statistics, Archaeology and Geography, Biochemistry, Canadian Studies, Computer Science and Geographical Information Science, Neuroscience, Remote Sensing, and Urban and Regional Studies are not eligible for the BASc.

Students must complete the minimum course requirements for both majors. Students may not double count courses in fulfilling requirements for their two majors.

In some cases, depending on the choice of majors, more than 40 courses (120.0 credit hours) may be required to satisfy all degree and major requirements.

Residence requirement: at least half of the courses required in each major must be completed at the University of Lethbridge.

16. **MAJORS**

The section on majors lists all majors available for the various degree programs offered by the Faculty of Arts and Science. Majors are listed alphabetically, and each entry provides pertinent information about the major and outlines the requirements. Further details may be obtained from Department Chairs, Program Coordinators, Academic Advising, or the Arts and Science Dean or Dean's designate. Each entry also provides a web address for each program.

a. **Agricultural Biotechnology**

Departments: Biological Sciences, Chemistry and Biochemistry, and Economics.

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

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

**Required courses:**
- Agricultural Studies 1000 - The Evolution of Agriculture
- 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 3000 - Gene Expression and Regulation
- Biology 3105 - Signal Transduction
- Biology 3210 - Experimental Methods in Molecular and Cellular Biology
- Biology 3300 - Evolution
- Biology 3400 - Principles of Microbiology
- Biology 4100 - Advances in Agricultural Biotechnology
- Chemistry 1000 - General Chemistry I
- Chemistry 2000 - General Chemistry II
- Chemistry 2500 - Organic Chemistry I
- Chemistry 2600 - Organic Chemistry II
- Economics 1010 - Introduction to Microeconomics
- Economics 3300 - Agricultural Policy I

**One of:**
- Biology 3005 - Genome Maintenance
- Biology 3115 - Principles of Cell Growth

**One of:**
- Biology 3420 - Animal Physiology
- Biology 3460 - Plant Physiology

**One of:**
- Economics 2150 - Economics of Agricultural Issues
- Economics 2350 - Economics of Agricultural Markets 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

**Recommended courses:**
- Neuroscience 2600 - Brain and Behaviour
- Neuroscience 3600 - Fundamental Neurobiology
- Statistics 1770 - Introduction to Probability and Statistics

**Notes:**

Students are advised to complete both Biology 3005 and Biology 3115 as part of their Agricultural Biotechnology major (only one of these is required).

A student who successfully completes this degree program and major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Biotechnology early in the program for further information.

See also:
- Pre-Professional Transfer Programs
- Bachelor of Science - Biological Sciences
- Bachelor of Science - Biochemistry
- Bachelor of Science - Environmental Science
Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/agbt_bsc for a suggested sequencing plan for the Agricultural Biotechnology major in the B.Sc. program.

Concentration: Agricultural Business (Optional)
Agricultural Biotechnology majors in the B.Sc. degree program may declare a Concentration in Agricultural Business.

Required courses:
Management 2020 - Marketing
Management 2100 - Introductory Accounting
Three of:
Economics 3030 - Managerial Economics
Economics 3080/Management 3780 - Principles of Industrial Organization
Management 3010 - Management Law
Political Science 2210 - Canadian Politics and Government
Political Science 3420/Management 3050 - Human Resource Management

Notes
1 has prerequisites: One of Management 2030 or one 2000-level Political Science course (3.0 credit hours), and one of Writing 1000 or a university English course (3.0 credit hours).
For students who complete all requirements, the Concentration in Agricultural Business will be acknowledged on the official transcript.

Agricultural Biotechnology (B.Sc.)
Number of courses required for the major .......................... 23
(Independent Study - Optional; may not be counted in required courses for major)
Concentration: Agricultural Business (optional)
Number of courses required for concentration .......................... 5
Total number of courses required for major and concentration .......................... 28

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

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

Required core (10 courses):
Agricultural Studies 1000 - The Evolution of Agriculture
Agricultural Studies 3300 - Modelling of Agricultural Systems
Agricultural Studies 4000 - Seminar in Agricultural Issues
Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems
Biology 1020 - Diversity of Life
Economics 1010 - Introduction to Microeconomics
Geography 1200 - Introduction to Human Geography
Statistics 1770 - Introduction to Probability and Statistics

One of:
Economics 2900 - Economics and Business Statistics
Political Science 3260 - Canadian Public Policy

One of:
Anthropology 1000 - The Anthropological Perspective
Political Science 1000 - Introduction to Political Science
Sociology 1000 - Introduction to Sociology

Subfield requirements (10 courses):
Eight courses (24.0 credit hours) from either subfield list 1. or 2. below
Two courses (6.0 credit hours) from the other subfield list below
Four of the subfield courses (12.0 credit hours) must be at the 3000/4000 level

Students choosing Agricultural Economics as their eight-course subfield must complete the Quantitative Methods requirement: Economics 2900. Students choosing Rural Sociology and Development as their eight-course subfield must complete the Research Methodology requirement: Sociology 2100.

1. Agricultural Economics
Economics 1012 - Introduction to Macroeconomics
Economics 2150 - Economics of Agricultural Issues
Economics 2350 - Economics of Agricultural Markets I
Economics 2750 - Quantitative Methods in Economics
Economics 3010 - Intermediate Microeconomic Theory
Economics 3030 - Managerial Economics
Economics 3220 - Environmental Economics
Economics 3300 - Agricultural Policy I
Economics 3350 - Economics of Agricultural Markets II
Economics 4300 - Agricultural Policy II

Quantitative Methods Requirement:
Economics 2900 - Economics and Business Statistics

2. Rural Sociology and Development
1 Anthropology 4500 - Anthropological Methods (Series) (Ethnographic Methods)
Economics 2150 - Economics of Agricultural Issues
Economics 3300 - Agricultural Policy I
Economics 3800 - Economic Development
Economics 4300 - Agricultural Policy II
Geography 1000 - Introduction to Physical Geography
Geography 2210 - Spatial Organization of Economic Activity
Geography 2700 - Geographical Data and Analysis
Geography 3210 - Agricultural Geography
Geography 4200 - Project in Agricultural Geography
Political Science 2210 - Canadian Politics and Government
Political Science 3260 - Canadian Public Policy
Political Science 3400 - Public Administration
Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods

Research Methodology Requirement:
Sociology 2100 - Research Methodology

Technical Studies Semester (5 courses)

Students are required to complete a semester of study at an approved college. The Technical Studies semester counts as the equivalent of 15.0 credit hours at the University of Lethbridge (i.e., three unspecified 2000-level and two unspecified 3000-level Agricultural Studies courses).

The Technical Studies semester should be taken after at least 20 university courses have been completed and prior to registration in the final 10 courses for the degree.

Students must have the college course selection approved by the Coordinator of Agricultural Studies. Further details are available from the Coordinator.

Notes
1. Prerequisite required: Anthropology 3000.

Courses which appear in both subfield lists may be counted in only one of the subfields. Students choosing Agricultural Economics as their eight-course subfield must choose two courses from the Rural Sociology and Development subfield which are not Economics courses.

Applied Studies, Independent Studies and Topics courses may be counted toward the subfield requirements provided:

1. They are clearly related to one of the subfields; and,
2. They are approved by the Coordinator of Agricultural Studies.

Students may not receive credit for courses at the University of Lethbridge for which close equivalents have been taken at the college, and vice versa. Students must ensure that their course selection has been approved by the Coordinator of Agricultural Studies.

Students wishing to pursue graduate studies in Agricultural Economics should also include Economics 3012, Economics 4010, Economics 4012, and Mathematics 1560 in their programs.

A student who successfully completes this major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.

See also:
- Post-Diploma Bachelor of Arts - Agricultural Studies
- Bachelor of Science - Agricultural Studies

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/agst_ba for a suggested sequencing plan for the Agricultural Studies major in the B.A. program.

Concentration: Agricultural Business (Optional)

Agricultural Studies majors in the B.A. degree program may declare a Concentration in Agricultural Business.

Required courses:
- Management 2020 - Marketing
- Management 2100 - Introductory Accounting

Three of:
- Economics 3030 - Managerial Economics
- Economics 3080/Management 3780 - Principles of Industrial Organization
- Management 3010 - Management Law
- Political Science 2210 - Canadian Politics and Government
- Political Science 3420/Management 3050 - Human Resource Management

Notes
1. Prerequisite required: One of Management 2030 or one 2000-level Political Science course (3.0 credit hours), and one of Writing 1000 or a university English course (3.0 credit hours).

Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for subfields of the Major in Agricultural Studies. In such cases, students must select another option from the subfield list.

For students who complete all requirements, the Concentration in Agricultural Business will be acknowledged on the official transcript.

Agricultural Studies (B.A.)

Number of courses required for the major ........................................... 20

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

Concentration: Agricultural Business (optional)

Number of courses required for concentration ..................................... 5

Total number of courses required for major and concentration .............. 25

All students must also complete the Technical Studies Semester (5 courses).

c. Agricultural Studies (B.Sc.)

Departments: Biological Sciences, Chemistry and Biochemistry, and Economics

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

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

Required core (12 courses):
- Agricultural Studies 1000 - The Evolution of Agriculture
- Agricultural Studies 3300 - Modelling of Agricultural Systems
- Agricultural Studies 4000 - Seminar in Agricultural Issues
- Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
Biology 2000 - Principles of Genetics
Chemistry 1110 - Chemistry for Life Sciences I
Economics 1010 - Introduction to Microeconomics
Geography 1000 - Introduction to Physical Geography
Statistics 1770 - Introduction to Probability and Statistics

One of:
- Computer Science 1620 - Fundamentals of Programming I
- Mathematics 1560 - Calculus I
- Physics 1050 - Introduction to Biophysics

Subfield requirements (8 courses):
Six courses (18.0 credit hours) from either subfield list 1. or 2. below
Two courses (6.0 credit hours) from the other subfield list below
Four of the subfield courses (12.0 credit hours) must be at the 3000/4000 level

1. Biological Sciences
   - Biology 2200 - Principles of Ecology
   - Biology 3000 - Gene Expression and Regulation
   - Biology 3105 - Signal Transduction
   - 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 3550 - Integrative Plant Biology
   - Biology 3610 - Prairie Conservation
   - Biology 3700 - Ecosystem and Community Ecology
   - Biology 4100 - Advances in Agricultural Biotechnology
   - Biology 4110 - Advances in Genetics, Molecular and Cellular Biology

2. Geography
   - Environmental Science 2000 - Fundamentals of Environmental Science
   - Geography 2030 - Geomorphology
   - Geography 2300 - Weather and Climate
   - Geography 2700 - Geographical Data and Analysis
   - Geography 2735 - Introduction to Geographical Information Science
   - Geography 3075 - Environmental Resources Management
   - Geography 3080 - Soils
   - Geography 3210 - Agricultural Geography
   - Geography 3400 - Hydrology I
   - Geography 3700 - Cartography
   - Geography 3720 - Remote Sensing
   - Geography 3740 - Geographical Information Systems
   - Geography 4060 - Agricultural Soil Management
   - Geography 4065 - Irrigation Science
   - Geography 4200 - Project in Agricultural Geography
   - Geography 4400 - Hydrology II
   - Geography 4415 - Integrated Watershed Management
   - Geography 4725 - Advanced Remote Sensing
   - Geography 4740 - Advanced Geographical Information Systems
   - Geology 2060 - Physical Geology

Technical Studies Semester (5 courses)
Students are required to complete a semester of study at an approved college. The Technical Studies semester counts as the equivalent of 15.0 credit hours at the University of Lethbridge (i.e., three unspecified 2000-level and two unspecified 3000-level Agricultural Studies courses).

The Technical Studies semester should be taken after at least 20 university courses have been completed and prior to registration in the final 10 courses for the degree.

Students must have the college course selection approved by the Coordinator of Agricultural Studies. Further details are available from the Coordinator.

Notes
2. Prerequisite required: Biology 3210.

Applied Studies, Independent Studies and Topics courses may be counted toward the subfield requirements provided:

1. They are clearly related to one of the subfields; and,
2. They are approved by the Coordinator of Agricultural Studies.

Students may not receive credit for courses at the University of Lethbridge for which close equivalents have been taken at the college, and vice versa. Students must ensure that their course selection has been approved by the Coordinator of Agricultural Studies.

Students wishing to pursue the Concentration in Geographical Information Science must complete Geography 2735 among the eight courses required in the Geography subfield.

A student who successfully completes this major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.

See also:
- Post-Diploma Bachelor of Science - Agricultural Studies
- Bachelor of Arts - Agricultural Studies

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/agst_bsc for a suggested sequencing plan for the Agricultural Studies major in the B.Sc. program.

Concentration: Agricultural Business (Optional)
Agricultural Studies majors in the B.Sc. degree program may declare a Concentration in Agricultural Business.

Required courses:
- Management 2020 - Marketing
- Management 2100 - Introductory Accounting

Three of:
- Economics 3030 - Managerial Economics
- Economics 3080/Management 3780 - Principles of Industrial Organization I
- Management 3010 - Management Law
d. Anthropology

Department: Anthropology

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

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

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), Anthropology 4990 (Independent Study), and Anthropology 4995 (Undergraduate Thesis)

Notes

See also:

- Bachelor of Arts/Bachelor of Education - Anthropology/Social Studies Education
- Bachelor of Arts/Bachelor of Management - Anthropology

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/anth_ba for a suggested sequencing plan for the Anthropology major in the B.A. program.

<table>
<thead>
<tr>
<th>Anthropology (B.A.)</th>
</tr>
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<tbody>
<tr>
<td>Number of courses required for the major ........................................... 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may not be counted in required courses for major)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agricultural Studies (B.Sc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of courses required for the major ........................................... 20</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
</tbody>
</table>

Concentration: Agricultural Business (optional)

| Number of courses required for concentration ........................................... 5 |

Concentration: Geographical Information Science (optional)

| Number of courses required for concentration ........................................... 5 |

| Total number of courses required for major and both concentrations .... 30 |

| All students must also complete the Technical Studies Semester (5 courses). |

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the major. In such cases, students must select another option.</td>
</tr>
</tbody>
</table>

| For students who complete all the requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript. |

<table>
<thead>
<tr>
<th>e. Applied Statistics</th>
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</thead>
<tbody>
<tr>
<td>Departments: Mathematics and Computer Science, Economics, Geography, and Psychology</td>
</tr>
<tr>
<td>Statistics is the study of the collection, organization, analysis, interpretation and presentation of data. Application of statistical techniques is an essential part of decision making and study in a wide range of disciplines such as astronomy, biology, education, economics, geography, engineering, genetics, marketing, medicine, psychology, public health and sports, among many.</td>
</tr>
<tr>
<td>Please refer to the program website (<a href="http://www.uleth.ca/artsci/math-computer-science">www.uleth.ca/artsci/math-computer-science</a>) for more information.</td>
</tr>
</tbody>
</table>
Required courses:
- Computer Science 1620 - Fundamentals of Programming I
- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 1560 - Calculus I
- Mathematics 2560 - Calculus II
- Statistics 1770 - Introduction to Probability and Statistics
- Statistics 2200 - Survey Design and Analysis
- Statistics 3500 - Mathematical Probability
- Statistics 3510 - Mathematical Statistics
- Statistics 3700 - Design and Analysis of Experiments
- Statistics 4990 - Independent Study

One of:
- Statistics 2780 - Statistical Inference
- Economics 2900 - Economics and Business Statistics

Required Concentration:
For the Major in Applied Statistics, all students must complete one of the following Concentrations:

1. **Concentration in Economics**
   - Economics 1010 - Introduction to Microeconomics
   - Economics 1012 - Introduction to Macroeconomics
   - Economics 2750 - Quantitative Methods in Economics
   - Economics 3010 - Intermediate Microeconomic Theory
   - Economics 3012 - Intermediate Macroeconomic Theory
   - Economics 3950 - Econometrics I
   - Economics 4960 - Econometrics II
   - One additional course (3.0 credit hours) in Economics at the 3000/4000 level
   - Two additional courses (6.0 credit hours) in Economics at the 4000 level

2. **Concentration in Geography**
   - Geography 1000 - Introduction to Physical Geography
   - Geography 1200 - Introduction to Human Geography
   - Geography 2210 - Spatial Organization of Economic Activity
   - Geography 2700 - Geographical Data and Analysis
   - Geography 2735 - Introduction to Geographical Information Science
   - Geography 3235 - Quantitative Models for Geographic Analysis
   - Geography 4730 - Spatial Statistics
   - One of:
     - Geography 2030 - Geomorphology
     - Geography 2300 - Weather and Climate
   - One of:
     - Geography 3740 - Geographical Information Systems
     - Geography 3750 - GIS Applications in Human Geography
   - One additional course (3.0 credit hours) in Geography at the 3000/4000 level

3. **Concentration in Psychology**
   - Psychology 1000 - Basic Concepts of Psychology
   - Psychology 2030 - Methods and Statistics
   - Psychology 3400 - Advanced Research Design and Data Analysis

Four of:
- Neuroscience 2600 - Brain and Behaviour
- Psychology 2110 - Introduction to Child Development
- Psychology 2320 - Cognition and Perception: Thinking and Seeing
- Psychology 2330 - Learning and Cognition
- 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

Two additional courses (6.0 credit hours) in Psychology or Neuroscience at the 3000/4000 level

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

For students who complete all requirements for the Major in Applied Statistics with one of the above concentrations, the concentration will be acknowledged on the official transcript.

Notes
It is strongly recommended that a student attain a grade of 'C' or higher in any course used to satisfy prerequisites for courses in Computer Science, Mathematics, and Statistics.

See also:
- Bachelor of Science - Mathematics

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/asta_bsc for a suggested sequencing plan for the Applied Statistics major in the B.Sc. program.

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

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

Required courses:
- Anthropology 1000 - The Anthropological Perspective
- Archaeology 1000 - Introduction to Archaeology
- Archaeology 3300 - Archaeological Field Work (Series)
- Archaeology 3700 - Geoarchaeology and Landscape Analysis
- Geography 1000 - Introduction to Physical Geography
- Geography 1200 - Introduction to Human Geography
- Geography 2030 - Geomorphology
- Geography 2700 - Geographical Data and Analysis
Two of:
  - Archaeology 3720 - Archaeological Materials Analysis
  - Geography 3720 - Remote Sensing
  - Geography 3740 - Geographical Information Systems
  - Geology 2060 - Physical Geology
One course (3.0 credit hours) in a language other than English
One course (3.0 credit hours) in Archaeology at the 4000 level
Four additional courses (12.0 credit hours) in Archaeology at the 3000/4000 level
Four additional courses (12.0 credit hours) in Geography, and/or Geology and/or Anthropology at the 3000/4000 level

Notes
Students wishing to complete the Concentration in Geographical Information Science must choose Geography 3720 and Geography 3740, which are prerequisites for the required 4000-level courses in the concentration.

See also:
  - Bachelor of Arts or Bachelor of Science - Geography

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/archy_geog_ba_bsc for a suggested sequencing plan for the Archaeology and Geography major in the B.A. or B.Sc. program.

Concentration: Geographical Information Science (Optional)
Majors in Archaeology and Geography may declare a Concentration in Geographical Information Science.

Required courses:
  - Computer Science 1620 - Fundamentals of Programming
  - Geography 4725 - Advanced Remote Sensing
  - Geography 4740 - Advanced Geographical Information Systems
Two of:
  2. Geography 4700 - Advanced Computer Mapping
  3. Geography 4730 - Spatial Statistics
  4. Geography 4751 - Project in Spatial Modelling
  5. Geography 4753 - Seminar in Remote Sensing

Notes
1 Prerequisite required: Geography 3400.
Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Major in Archaeology and Geography.
For students who complete all requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

Archeology and Geography (B.A. or B.Sc.)
Number of courses required for the major .................................................. 21
  (Independent Study - Optional; may be counted in required courses for major)
Concentration: Geographical Information Science (optional)
Number of courses required for concentration ............................................ 5
Total number of courses required for major and concentration ................ 26
Art History/Museum Studies 4000 - Museum Studies
Internship
Art History/Museum Studies 4150 - Art History
(Series)
Four additional courses (12.0 credit hours) in Art or Art History/Museum Studies

Notes
A student proceeding beyond these minimum requirements may choose to focus on Art Studio or Art History/Museum Studies courses.

See also:
• Bachelor of Fine Arts - Art
• Bachelor of Arts/Bachelor of Education - Art/Art Education
• Bachelor of Fine Arts - Art/Bachelor of Education - Art/Art Education
• Bachelor of Arts/Bachelor of Management - Art

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/art_ba for a suggested sequencing plan for the Art major in the B.A. program.

Art (B.A.)
Number of courses required for the major ................................................. 13
(Independent Study - Optional; may not be counted in required courses for major)

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

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

Required courses:
Biochemistry 2000 - Introductory Biochemistry
Biochemistry 3100 - Proteins, Enzymes and Nucleic Acids
Biochemistry 3300 - Bioenergetics and Metabolism
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
Biology 2000 - Principles of Genetics
Biology 3000 - Gene Expression and Regulation
Biology 3105 - Signal Transduction
Biology 3210 - Experimental Methods in Molecular and Cellular Biology
Biology 3400 - Principles of Microbiology
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

Two of:
Biology 3005 - Genome Maintenance
Biology 3115 - Principles of Cell Growth
Biology 3310 - Developmental Biology
Biology 3420 - Animal Physiology
Biology 3460 - Plant Physiology
Chemistry 3410 - Analytical Chemistry II
1Chemistry 3730 - Advanced Physical Chemistry
Chemistry 3830 - Inorganic Chemistry I
Chemistry 3840 - Inorganic Chemistry II

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

Two courses (6.0 credit hours) in Biochemistry or Biology at the 4000 level

Notes
1 Prerequisite required: Mathematics 1410.
2 Prerequisites required: Engineering 2000 and Mathematics 1560.

Students should choose appropriate 3000-level Biology or Chemistry courses to meet prerequisites for 4000-level courses in Biochemistry and/or Biology.

It is strongly recommended that students who are planning to pursue graduate studies in Biochemistry consider the Undergraduate Thesis option during the final two semesters of their fourth year. Students interested in this option should consult potential supervisors at an early stage to discuss their background preparation.

See also:
• Bachelor of Science - Biological Sciences
• Bachelor of Science - Chemistry

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/bchm_bsc for a suggested sequencing plan for the Biochemistry major in the B.Sc. program.

Biochemistry (B.Sc.)
Number of courses required for the major ................................................. 24
(Independent Study - Optional; may not be counted in required courses for major)

i. Biological Sciences
Department: Biological Sciences

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

**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
- Biology 4500 - Seminars in Biological Sciences
- Chemistry 1000 - General Chemistry I
- Chemistry 2000 - General Chemistry II
- Chemistry 2500 - Organic Chemistry I
- Chemistry 2600 - Organic Chemistry II

**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)

**One of:**

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

**Six courses (18.0 credit hours) at the 3000/4000 level,** including two from each of the following subfield lists; one of the six 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
- Biology 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:**

- Statistics 1770 - Introduction to Probability and Statistics

**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.


Independent Studies courses, Applied Studies courses, and the Undergraduate Thesis may not be counted as part of the minimum requirements for the major; however, they are strongly encouraged for students taking courses beyond this minimum.

See also:

- Bachelor of Science/Bachelor of Education - Biological Sciences/Science Education
- Bachelor of Science/Bachelor of Management - Biological Sciences

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/biol_bsc for a suggested sequencing plan for the Biological Sciences major in the B.Sc. program.

<table>
<thead>
<tr>
<th>Biological Sciences (B.Sc.)</th>
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<tbody>
<tr>
<td>Number of courses required for the major</td>
</tr>
<tr>
<td>(Independent Study - Optional; may not be counted in required courses for major)</td>
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**j. Canadian Studies**

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

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

**Required core (8-12 courses):**

A minimum of eight courses (24.0 credit hours) and a maximum of 12 courses (36.0 credit hours) from the following list:

- English 2000 - Survey of Canadian Literature

**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 2250 - French Immersion
- French 2300 - Introduction to Modern Literature and Literary Analysis
Two of:
- Economics 2170 - Economic History of Canada
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867

Three of:
- Geography 2600 - Canada
- 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 2800 - Native American Politics
- Political Science 2210 - Canadian Politics and Government
- Sociology 2100 - Canadian Society
- Sociology 2410 - Sociology of Gender

Independent Study (1 course)
One Independent Study course (3.0 credit hours) in Canadian Studies at the 3000/4000 level

Options (7-11 courses):
A minimum of seven courses (21.0 credit hours) and a maximum of 11 courses (33.0 credit hours) from the following 3000/4000-level courses:
- Art History/Museum Studies 3240 - Canadian Art
- History to 1940
- Art History/Museum Studies 3245 - Canadian Art History: 1940 to the Present
- Economics 3210 - Natural Resource Economics
- Economics 4300 - Agricultural Policy II
- English 3001 - Canadian Poetry
- English 3002 - Contemporary Canadian Drama
- English 3810 - Contemporary Canadian Literature
- English 4000 - Seminars in Canadian and Post-Colonial Literature (Series)
- 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 3300 - Canadian Indian Art History and Theory
- Native American Studies 3400 - Contemporary Aboriginal Political Economy
- Native American Studies 3500 - History of Prairie Indian Treaties
- Native American Studies 3700 - Native American Health
- Native American Studies 4200 - Law and Aboriginal Development in Canada
- Native American Studies 4400 - Indians and the Criminal Justice System
- 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 3250 - Alberta Politics and Government
- Political Science 3260 - Canadian Public Policy
- Political Science 3280 - Canadian Political Behaviour
- Political Science 3340 - Public Administration

Notes
Selected Topics courses, Applied Studies, Independent Studies, and offerings in the English 4000, French 3200, French 3500, French 3600, French 4002, and French 4600 Series may be counted toward the Options courses in the major provided (1) they are clearly related to Canadian Studies and (2) they are approved by the Coordinator of Canadian Studies.

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

The required Independent Study course should involve more than one discipline and must be approved by the Coordinator of Canadian Studies.

See also:
- Bachelor of Arts/Bachelor of Education - Canadian Studies/Social Studies Education
- Bachelor of Arts/Bachelor of Management - Canadian Studies

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/cnst_ba for a suggested sequencing plan for the Canadian Studies major in the B.A. program.

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

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

Required courses:
- Biochemistry 2000 - Introductory Biochemistry
- Biology 1010 - Cellular Basis of Life
- 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
Chemistry 3250 - Contemporary Chemistry
Chemistry 3410 - Analytical Chemistry II
Chemistry 3730 - Advanced Physical Chemistry
Chemistry 3830 - Inorganic Chemistry I
Chemistry 3840 - Inorganic Chemistry II
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
- Physics 1050 - Introduction to Biophysics
- Engineering 2060 - Engineering Mechanics

Two offerings (6.0 credit hours) of Chemistry 4000 - Advanced Chemistry (Series)
Four additional courses (12.0 credit hours) in Chemistry or Biochemistry chosen from the following list:
- Additional offerings of Chemistry 4000 - Advanced Chemistry (Series)
- Biochemistry 3100 - Proteins, Enzymes and Nucleic Acids
- Biochemistry 3300 - Bioenergetics and Metabolism
- Chemistry 3990 - Independent Study
- Chemistry 4990 - Independent Study
- Chemistry 4995 - Undergraduate Thesis (6.0 credit hours)

Notes
2. At least two offerings of Chemistry 4000 - Advanced Chemistry (Series) must be completed. The content, as identified by the title, must be different in the two offerings. These courses are usually offered each semester and offerings will normally not be repeated within a two-year cycle.

This program has been accredited by the Canadian Society for Chemistry (CSC), which is the national organization representing chemists, and is accepted for membership in the Association of the Chemical Profession of Alberta (ACPA). Students who complete a B.Sc. degree with the major in Chemistry outlined above will have a degree accredited by the CSC.

Those who plan to pursue graduate studies in Chemistry should take more than the minimum of 18 courses in Chemistry or Biochemistry and should obtain advice on their program from the Department. Students can get credit for participating in original research as part of their studies, especially if preparing for advanced chemistry degrees.

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 at an early stage of their studies are advised to seek help in planning their programs from the Department Advisor or from any faculty member in the Department of Chemistry and Biochemistry.

See also:
- Bachelor of Science - Biochemistry
- Bachelor of Science/Bachelor of Education - Chemistry/Science Education
- Bachelor of Science/Bachelor of Management - Chemistry

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/chem_bsc for a suggested sequencing plan for the Chemistry major in the B.Sc. program.

Chemistry (B.Sc.)
Number of courses required for the major ................................................ 24
(Independent Study - Optional; may be counted in required courses for major)

I. Computer Science

Department: Mathematics and Computer Science

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

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

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 3615 - Computer Architecture
- Computer Science 3620 - Data Structures and Algorithms
- Computer Science 3740 - Programming Languages

Mathematics 2000 - Mathematical Concepts
- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 1510 - Calculus for Management and Social Sciences
- Mathematics 1560 - Calculus I
- Statistics 1770 - Introduction to Probability and Statistics

1. Six additional courses (18.0 credit hours) in Computer Science at the 3000/4000 level

Two courses (6.0 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)

Notes
1. One of the six additional 3000/4000-level courses may be replaced by a course from the following list:
- Physics 3900 - Intermediate Experimental Physics (Series) (Digital Electronics)

Any 3000/4000-level Mathematics course

It is strongly recommended that Computer Science majors include additional Mathematics courses in their program. Students intending to take Physics 3900 should plan carefully to include the appropriate Mathematics and Physics prerequisites in their programs.

Some senior courses are scheduled for alternate years. Since these courses are frequently sequential and dependent upon adequate preparation, students are
It is strongly recommended that a student attain a grade of 'C' or higher in any course used to satisfy prerequisites for courses in Computer Science and Mathematics.

See also:

- Bachelor of Science - Computer Science and Geographical Information Science
- Bachelor of Science/Bachelor of Management - Computer Science
- Bachelor of Science - Mathematics

### Suggested Sequencing Plan

See [www.uleth.ca/ross/sequencing-plans/cpsc_bsc](http://www.uleth.ca/ross/sequencing-plans/cpsc_bsc) for a suggested sequencing plan for the Computer Science major in the B.Sc. program.

#### Computer Science (B.Sc.)

Number of courses required for the major: 18

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

### Computer Science and Geographical Information Science

Departments: Geography, Mathematics and Computer Science

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

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

#### Required courses

- Computer Science 1620 - Fundamentals of Programming I
- Computer Science 1820 - Discrete Structures
- 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 3710 - Computer Graphics
- Computer Science 4660 - Database Management Systems
- Geography 1000 - Introduction to Physical Geography
- Geography 1200 - Introduction to Human Geography
- Geography 2700 - Geographical Data and Analysis
- Geography 2735 - Introduction to Geographical Information Science
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4700 - Advanced Computer Mapping
- Geography 4710 - Remote Sensing Field Techniques
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing

#### One of:

- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4700 - Advanced Computer Mapping
- Geography 4710 - Remote Sensing Field Techniques
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing

#### Four of:

- Any of the courses listed above but not already selected as required courses
- Computer Science 2610 - Introduction to Digital Systems
- Computer Science 3720 - Introduction to Software Engineering
- Computer Science 3740 - Programming Languages
- Computer Science 3750 - Artificial Intelligence
- Computer Science 3770 - Artificial Intelligence
- Computer Science 3780 - Data Communications and Networking
- Geography 2030 - Geomorphology
- Geography 2300 - Weather and Climate
- Geography 3400 - Hydrology I
- Geography 3700 - Cartography
- Geography 3710 - Field Techniques in the Earth Sciences
- Geography 3750 - GIS Applications in Human Geography
- Geography 4730 - Spatial Statistics
- Statistics 2780 - Statistical Inference

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)

### Notes

2. Prerequisite required: Statistics 1770.

See also:

- Bachelor of Science - Computer Science
- Bachelor of Science - Geography

### Suggested Sequencing Plan

See [www.uleth.ca/ross/sequencing-plans/cpsc_gis_bsc](http://www.uleth.ca/ross/sequencing-plans/cpsc_gis_bsc) for a suggested sequencing plan for the Computer Science and Geographical Information Science major in the B.Sc. program.

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

Number of courses required for the major: 22

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

### Dramatic Arts

Department: Theatre and Dramatic Arts (Faculty of Fine Arts)

The major in Dramatic Arts is a broad, general program of study. Students complete required courses in various aspects of the Dramatic Arts including theory and history as well as performance-based and technically-based courses. Beyond the required courses, students will
choose electives based on their specific interests in the Dramatic Arts.

Please refer to the program website (www.uleth.ca/artsci/drama) for more information.

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 3670 - History of Costume
Drama 4211 - Theories of Theatre

One of:
English 3201 - Elizabethan and Jacobean Drama
English 3602 - Shakespeare
English 3602 - 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

Notes
It is recommended that students consider completing additional English courses from the Dramatic Literature series.

See also:
- Bachelor of Fine Arts - Dramatic Arts
- Bachelor of Arts/Bachelor of Education - Dramatic Arts/Drama Education
- Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education - Dramatic Arts/Drama Education
- Bachelor of Arts/Bachelor of Management - Dramatic Arts

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/dram_ba for a suggested sequencing plan for the Dramatic Arts major in the B.A. program.

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Economics

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

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

Required courses:
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Economics 2700 - 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

Notes
Please note that credit will not be granted for both Economics 2900 and Statistics 2780.

It is recommended that Economics majors include courses in Mathematics, especially courses in Calculus, as part of their overall programs.

It is also strongly recommended that students who are considering graduate studies in Economics include in their programs as many 4000-level courses as possible, and in particular the following courses:
- Economics 4010 - Advanced Microeconomic Theory
- Economics 4012 - Advanced Macroeconomic Theory
- Economics 4150 - Mathematical Economics

See also:
- Bachelor of Arts/Bachelor of Education - Economics/Social Studies Education
- Bachelor of Arts/Bachelor of Management - Economics

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/econ_ba for a suggested sequencing plan for the Economics major in the B.A. program.

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Dramatic Arts (B.A.)
Number of courses required for the major ........................................ 15
(Independent Study - Optional; may be counted in required courses for major)

Economics (B.A.)
Number of courses required for the major ........................................ 14
(Independent Study - Optional; may be counted in required courses for major)
English

Department: English

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

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 subfield lists below

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

1. 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

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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.

Fourth-year English majors are especially encouraged to become involved in seminars and Independent Studies at the 4000 level. Suggestions for unique and imaginative projects and approaches to fourth-year studies are welcomed by the Department.

See also:

- Bachelor of Arts/Bachelor of Education - English/English Language Arts Education
- Bachelor of Arts/Bachelor of Management - English
Environmental Science

Departments: Biological Sciences and Geography

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

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

Required courses:

- 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
- Environmental Science 2000 - Fundamentals of Environmental Science
- Environmental Science 4000 - Selected Studies in Environmental Science II (Series)
- 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

Three of:

- Geography 2900 - Biogeography
- Geography 3035 - Fluvial Geomorphology
- Geography 3060 - Glaciology and Glacial Geomorphology
- Geography 3080 - Soils
- Geography 3300 - Microclimatology
- Geography 3400 - Hydrology I
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems

One of:

- Geography 3780 - Field Research in Geography
- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4730 - Spatial Statistics
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geology 2060 - Physical Geology

Notes:

1. Prerequisite required: Geography 1200.
2. Must be approved by the Coordinator of Environmental Science. An approved external field course offered by a Field Station may be counted among the final 10 courses taken for the B.A. degree.
3. Must be approved by the Coordinator of Environmental Science. Some Topics courses in Biology may also qualify.

Technical Studies Semester (5 courses)

- Biology 3630 - Field Biology
- Geography 3710 - Field Techniques in the Earth Sciences
- Geography 3792 - Field Excursion in Physical Geography (Series)

An approved field course

Three courses (9.0 credit hours) from Biology List 2 (Organismal Biology) and List 3 (Ecology and Evolutionary Biology) of which two must be lab-based (see Section 16.i., p. 112, for Biology lists). Some Topics courses in Biology may also qualify.

One Independent Study or Applied Study at the 3000/4000 level in Environmental Science

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/eng_ba for a suggested sequencing plan for the English major in the B.A. program.

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**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/envs_bsc for a suggested sequencing plan for the Environmental Science major in the B.Sc. program.

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**English (B.A.)**

| Number of courses required for the major | 13 |

(Independent Study - Optional; may not be counted in required courses for major)
Concentration: Geographical Information Science (Optional)

Environmental Science majors in the B.Sc. degree program may declare a Concentration in Geographical Information Science.

**Required courses:**
- Computer Science 1620 - Fundamentals of Programming I
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

**Notes**
- Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Major in Environmental Science.
- For students who complete all the requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

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### Environmental Science (B.Sc.)

<table>
<thead>
<tr>
<th>Number of courses required for the major</th>
<th>25</th>
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</thead>
<tbody>
<tr>
<td>(Independent or Applied Study - Required in major)</td>
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</tr>
</tbody>
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**Concentration: Geographical Information Science (optional)**

<table>
<thead>
<tr>
<th>Number of courses required for concentration</th>
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</thead>
<tbody>
<tr>
<td>Total number of courses required for major and concentration</td>
<td>30</td>
</tr>
<tr>
<td>All students must also complete the Technical Studies Semester (5 courses)</td>
<td></td>
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</tbody>
</table>

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**French**

**Department: Modern Languages**

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

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

**Required courses:**

- **One of the following pairs (a. or b.):**
  - **a. Non-Immersion Pair**
    - (for students who have completed French 30, Français 31, or equivalent)
    - French 1500 - Intermediate Language I
    - French 2000 - Intermediate Language II
  - **b. Immersion Pair**

---

See also:

- Bachelor of Arts - French/German
- Bachelor of Arts - French/Spanish
- Bachelor of Arts/Bachelor of Education - Modern Languages Education
- Bachelor of Arts/Bachelor of Management - Modern Languages majors

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/french for a suggested sequencing plan for the French major in the B.A. program.
French (B.A.)

Number of courses required for the major ............................................. 15

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

French/German

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

Department: Modern Languages

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

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

Required courses:
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

Notes

All students registering in 1000-, 1100-, and 1500-level language courses must write the Department of Modern Languages Placement Test to determine whether they are registered in the appropriate course. Advanced placement may be granted to students who have acquired French or German language skills outside of a formal academic environment. Please refer to www.uleth.ca/artsci/modern-languages/placement-policy for more information.

It is recommended that students majoring in French/German complete either the French or German Visiting Student Program. Please refer to www.uleth.ca/artsci/modern-languages/visiting-student-programs for information on the Visiting Student Program.

It is strongly recommended that a student attain a grade of ‘C’ or higher in any course used to satisfy prerequisites for courses in French and German. For more information see an Academic Advisor in the Student Program Services Office.

See also:

- Bachelor of Arts - French
- Bachelor of Arts - German
- Bachelor of Arts/Bachelor of Education - Modern Languages Education
- Bachelor of Arts/Bachelor of Management - Modern Languages majors

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/fren_germ_ba for a suggested sequencing plan for the French/German major in the B.A. program.

French/German (B.A.)

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

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

t. French/Spanish

Department: Modern Languages

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

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

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

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/placement-policy for more information.

It is recommended that students majoring in French/Spanish complete either the French or Spanish Visiting Student Program. Please refer to www.uleth.ca/artsci/modern-languages/visiting-student-programs for information on the Visiting Student Program.

It is strongly recommended that a student attain a grade of ‘C’ or higher in any course used to satisfy prerequisites for courses in French and Spanish. For more information see an Academic Advisor in the Student Program Services Office.

See also:

- Bachelor of Arts - French
- Bachelor of Arts/Bachelor of Education - Modern Languages Education
- Bachelor of Arts/Bachelor of Management - Modern Languages majors
Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fren_span.ba for a suggested sequencing plan for the French/Spanish major in the B.A. program.

French/Spanish (B.A.)
Number of courses required for the major ................................................ 16

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

u. General Major in the Humanities
The General Major in the Humanities is a broad major that supports an ideal of liberal education.
Please refer to the program website (www.uleth.ca/artsci/general-majors) for more information.

Required courses:
Five courses (15.0 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

Four additional courses (12.0 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 20 courses (60.0 credit hours) required in the major, seven courses (21.0 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 (Part 4, p. 84).
If one of the disciplinary streams selected is a language discipline, students may use a course in a different language or a sixth course in the chosen stream to meet the language requirement.
See also:
• Bachelor of Arts/Bachelor of Education - General Major in the Humanities/English Language Arts Education
• Bachelor of Arts/Bachelor of Management - General Major in the Humanities

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/gen_hum.ba for a suggested sequencing plan for the General Major in the Humanities in the B.A. program.

General Major in the Humanities (B.A.)
Number of courses required for the major ................................................ 20

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

v. General Major in the Sciences
The General Major in the Sciences is a broad major that supports an ideal of liberal education.
Please refer to the program website (www.uleth.ca/artsci/general-majors) for more information.

Required courses:
Five courses (15.0 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

Four additional courses (12.0 credit hours) chosen from any of the Science 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 20 courses (60.0 credit hours) required in the major, seven courses (21.0 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 (Part 4, p. 85).
Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.
See also:
• Bachelor of Science/Bachelor of Education - General Major in the Sciences/Science Education
• Bachelor of Science/Bachelor of Management - General Major in the Sciences
Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/gen_sci_bsc for a suggested sequencing plan for the General Major in the Sciences in the B.Sc. program.

General Major in the Sciences (B.Sc.)
Number of courses required for the major .......................... 20
(Independent Study - Optional; may be counted in required courses for major)

w. General Major in the Social Sciences
The General Major in the Social Sciences is a broad major that supports an ideal of liberal education. Please refer to the program website (www.uleth.ca/artsci/general-majors) for more information.

Required courses:
Five courses (15.0 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
- Psychology - all courses designated Social Science (Psychology 1000 may be included)
- Sociology - all courses
- Women and Gender Studies - all courses

Four additional courses (12.0 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 20 courses (60.0 credit hours) required in the major, seven courses (21.0 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 (Part 4, p. 85).

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

See also:
- Bachelor of Arts/Bachelor of Education - General Major in the Social Sciences/Native Education
- Bachelor of Arts/Bachelor of Education - General Major in the Social Sciences/Physical Education
- Bachelor of Arts/Bachelor of Education - General Major in the Social Sciences/Social Studies Education

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

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

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

Required courses:
- Archaeology 1000 - Introduction to Archaeology
- 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

Three of (Geographical Techniques):
- Archaeology 3300 - Archaeological Field Work (Series)
- Geography 3235 - Quantitative Models for Geographic Analysis
- Geography 3700 - Cartography
- Geography 3710 - Field Techniques in the Earth Sciences
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 3750 - GIS Applications in Human Geography
- Geography 3780 - Field Research in Geography
- Geography 4730 - Spatial Statistics
1. **One of:**
   - Computer Science 1000 - Introduction to Computer Science
   - Computer Science 1620 - Fundamentals of Programming I

   Two additional courses (6.0 credit hours) in Geography, Geology or Archaeology at the 3000/4000 level

   One course (3.0 credit hours) in Geography, Geology or Archaeology at the 4000 level

   Two non-science courses (6.0 credit hours) at the 1000 level or higher from the offerings in Anthropology, Economics, Native American Studies (excluding Blackfoot and Cree), Political Science, and Sociology

   One non-science course (3.0 credit hours) at the 2000 level or higher from the offerings in Anthropology, Economics, Native American Studies (excluding Blackfoot and Cree), Political Science, and Sociology

2. **Notes**
   - Students choosing the Concentration in Geographical Information Science must complete Computer Science 1620.
   - Additional 3000/4000-level Geography courses may be selected from the Geographical Techniques list above.

   See also:
   - Bachelor of Science - Geography
   - Bachelor of Arts or Bachelor of Science - Archaeology and Geography
   - Bachelor of Arts/Bachelor of Education - Geography/Social Studies Education
   - Bachelor of Arts/Bachelor of Management - Geography

### Suggested Sequencing Plan

See [www.uleth.ca/ross/sequencing-plans/geog_ba](http://www.uleth.ca/ross/sequencing-plans/geog_ba) for a suggested sequencing plan for the Geography major in the B.A. program.

### Concentration: Geographical Information Science (Optional)

Geography majors in the B.A. degree program may declare a Concentration in Geographical Information Science.

#### Required courses
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

**One of:**
- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4700 - Advanced Computer Mapping
- Geography 4710 - Remote Sensing Field Techniques
- Geography 4730 - Spatial Statistics
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing

#### Notes

Students choosing the Concentration in Geographical Information Science must complete Computer Science 1620 as part of the requirements for the Geography major.

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**Geography (B.A.)**

**Number of courses required for the major** ................................................ 19

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

**Concentration: Geographical Information Science (optional)**

**Number of courses required for concentration** ........................................... 5

**Total number of courses required for major and concentration** ............... 24

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**Geography (B.Sc.)**

**Department:** Geography

Geography involves the study of human activities and natural systems with a focus on spatial relationships and the nature of places. The discipline stresses integration and synthesis, so students graduating with a major in Geography possess a firm understanding of environmental stewardship in the context of complex interrelationships between nature and humankind.

Geography students also learn many practical skills and techniques essential to a diverse range of employment opportunities.

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

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

**Required courses:**
- Archaeology 1000 - Introduction to Archaeology
- Biology 1020 - Diversity of Life
- 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
One of (Field Course):
- Archaeology 3300 - Archaeological Field Work (Series)
- Geography 3710 - Field Techniques in the Earth Sciences
- Geography 3780 - Field Research in Geography
- Geography 4710 - Remote Sensing Field Techniques

Two of (Geographical Techniques):
- Geography 3235 - Quantitative Models for Geographic Analysis
- Geography 3700 - Cartography
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 3750 - GIS Applications in Human Geography
- Geography 4730 - Spatial Statistics

Three of (Physical Geography):
- Geography 2090 - Biogeography
- Geography 3035 - Fluvial Geomorphology
- Geography 3060 - Glaciology and Glacial Geomorphology
- Geography 3075 - Environmental Resources Management
- Geography 3080 - Soils
- Geography 3300 - Microclimatology
- Geography 3400 - Hydrology I
- Geology 2060 - Physical Geology

Three of:
- Geography 4060 - Agricultural Soil Management
- Geography 4065 - Irrigation Science
- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4700 - Advanced Computer Mapping
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems
- Geography 4750 - Glacial Processes, Measurements, and Models

One of:
- Geography 4030 - Advanced Physical Geography (Series)
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing
- Geography 4900 - History and Theory of Geography

One of:
- Chemistry 1000 - General Chemistry I
- Physics 1000 - Introduction to Physics I

One of:
- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 1560 - Calculus I
- Statistics 1770 - Introduction to Probability and Statistics

One additional course (3.0 credit hours) at the 2000 level or higher from the offerings in Astronomy, Biochemistry, Biology, Chemistry, Computer Science, Engineering, Mathematics, Statistics, or Physics

Notes
See also:
- Bachelor of Arts - Geography
- Bachelor of Arts or Bachelor of Science - Archaeology and Geography
- Bachelor of Science/Bachelor of Education - Geography/Science Education
- Bachelor of Science/Bachelor of Management - Geography

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/geog_bsc for a suggested sequencing plan for the Geography major in the B.Sc. program.

Concentration: Geographical Information Science (Optional)
Geography majors in the B.Sc. degree program may declare a Concentration in Geographical Information Science.

Required courses
Computer Science 1620 - Fundamentals of Programming I
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

Notes
Students may not double count Geography courses required for the Concentration in Geographical Information Science in fulfilling requirements for the major in Geography.

For students who complete all requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

Please note that the Concentration in Geographical Information Science is specifically excluded from Combined Degrees programs.

Geography (B.Sc.)

Number of courses required for the major ................................................ 23

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

Concentration: Geographical Information Science (optional)

Number of courses required for concentration ........................................... 5

Total number of courses required for major and concentration ................ 28

aa. German

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

Department: Modern Languages
German is the study of the language, literature and culture of the German-speaking world. Students majoring in German must spend one or more semesters at a German-speaking university of their choosing.

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

Required courses:
- German 2250 - German Immersion
Five courses (15.0 credit hours) in German at the 3000/4000 level
Two courses (6.0 credit hours) in German at the 4000 level
Five additional courses (15.0 credit hours) in German

Notes
All students registering in 1000-, 1100-, and 1500-level language courses must write the Department of Modern Languages Placement Test to determine whether they are registered in the appropriate course. Advanced placement may be granted to students who have acquired German 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.

Linguistics 2300 may replace one of the required five additional courses in German.

Participation in the German Visiting Student Program is compulsory for students majoring in German. Please refer to www.uleth.ca/artsci/modern-languages/visiting-student-programs-vsp for information on the Visiting Student Program.

It is strongly recommended that a student attain a grade of 'C' or higher in any course used to satisfy prerequisites for courses in German. For more information see an Academic Advisor in the Student Program Services Office.

See also:
- Bachelor of Arts - French/German
- Bachelor of Arts/Bachelor of Education - Modern Languages Education
- Bachelor of Arts/Bachelor of Management - Modern Languages majors

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/germ_ba for a suggested sequencing plan for the German major in the B.A. program.

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<tr>
<th>German (B.A.)</th>
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<tbody>
<tr>
<td>Number of courses required for the major ........................................... 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
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</table>

bb. History
Department: History

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

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

Required courses:
History 2222 - History in Practice

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<tbody>
<tr>
<td>History 1000 - Western Civilization</td>
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<tr>
<td>History 1200 - World History</td>
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<tbody>
<tr>
<td>History 2001 - Main Themes in Ancient History</td>
</tr>
<tr>
<td>History 2100 - Main Themes in Medieval European History</td>
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<tbody>
<tr>
<td>History 2102 - Early Modern Europe - 1500-1750</td>
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<tr>
<td>History 2150 - The Politics of Europe - 1750-1914</td>
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<tr>
<td>History 2710 - Canada to 1867</td>
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<td>History 2720 - Canada Since 1867</td>
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<tr>
<td>History 2250 - China in the 19th and 20th Centuries</td>
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<tr>
<td>History 2290 - Main Themes in East Asian History</td>
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<tr>
<td>History 2300 - Latin America</td>
</tr>
<tr>
<td>History 2500 - Themes in British Social and Political History</td>
</tr>
<tr>
<td>History 2600 - Main Themes in the History of the United States</td>
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<tr>
<td>History 2800 - History of Women</td>
</tr>
<tr>
<td>Religious Studies 2500 - Christianity</td>
</tr>
</tbody>
</table>

Four courses (12.0 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), History 4990 (Independent Study), and History 4995 (Undergraduate Thesis)

Notes
The Department strongly advises students intending to pursue graduate studies to take History 4990 (Independent Study) or History 4995 (Undergraduate Thesis). History majors should meet with the Department Advisor once a semester in order to ensure that an appropriate program is being planned.

See also:
- Bachelor of Arts/Bachelor of Education - History/Social Studies Education
- Bachelor of Arts/Bachelor of Management - History

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/hist_ba for a suggested sequencing plan for the History major in the B.A. program.

<table>
<thead>
<tr>
<th>History (B.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of courses required for the major ........................................... 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
</tbody>
</table>

cc. Kinesiology (B.A.)
Department: Kinesiology and Physical Education

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

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

**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 2160 - Management Perspectives  
Kinesiology 2200 - Research Methodologies  
Kinesiology 2600 - Functional Human Anatomy

Five courses (15.0 credit hours) in Kinesiology at the 3000/4000 level with a Humanities or Social Science designation, excluding Kinesiology 3980 and 4980 (Applied Studies)

Three courses (9.0 credit hours) in Kinesiology at the 4000 level with a Humanities or Social Science designation, excluding Kinesiology 4980 (Applied Studies)

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 (Part 4, p. 84).

No more than two Independent Study courses (Kinesiology 3990 or 4990; 6.0 credit hours) may be counted towards the major.

See also:

- Bachelor of Science - Kinesiology
- Bachelor of Arts/Bachelor of Education - Kinesiology/Physical Education
- Bachelor of Arts/Bachelor of Management - Kinesiology

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/knes_ba for a suggested sequencing plan for the Kinesiology major in the B.A. program.

**Kinesiology (B.A.)**

Number of courses required for the major ............................................... 19  
(Independent Study - Optional; may be counted in required courses for major)

---

**dd. Kinesiology (B.Sc.)**

Department: Kinesiology and Physical Education

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

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

**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 3500 - Nutrition and Physical Activity  
Kinesiology 3610 - Exercise Physiology  
Kinesiology 3630 - Growth, Development and Aging  
Kinesiology 3650 - Biomechanics  
Neuroscience 2600 - Brain and Behaviour  
Physics 1050 - Introduction to Biophysics

**Two of:**

- Kinesiology 2130 - Humanities Perspectives  
- Kinesiology 2140 - Psychological Perspectives  
- Kinesiology 2150 - Sociological Perspectives  
- Kinesiology 2160 - Management Perspectives

Three additional courses (9.0 credit hours) in Kinesiology at the 3000/4000 level with a Science designation, excluding Kinesiology 3980 and 4980 (Applied Studies)

1 Two courses (6.0 credit hours) in Kinesiology at the 4000 level with a Science designation, excluding Kinesiology 4980 (Applied Studies)

One course (3.0 credit hours) in Mathematics at the 1000 level or higher

One course (3.0 credit hours) in Statistics at the 1000 level or higher

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

**Notes**

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 (Part 4, p. 85).

No more than two Independent Study courses (Kinesiology 3990 or 4990; 6.0 credit hours) may be counted towards the major.

See also:

- Bachelor of Arts - Kinesiology

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/knes_bsc for a suggested sequencing plan for the Kinesiology major in the B.Sc. program.

**Kinesiology (B.Sc.)**

Number of courses required for the major ............................................... 24  
(Independent Study - Optional; may be counted in required courses for major)
ee. Mathematics

Department: Mathematics and Computer Science

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

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

Required courses:

- Computer Science 1620 - Fundamentals of Programming I
- Computer Science 2620 - Fundamentals of Programming II
- 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 3500 - Mathematical Probability

Three additional courses (9.0 credit hours) in Mathematics or Statistics at the 3000/4000 level

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

Notes

One of the additional 3000/4000-level courses may be replaced by a course from the following list:

- Computer Science 3630 - Theoretical Foundations of Computing
- Physics 3200 - Mechanics

Students who intend to take Physics 3200 as a course contributing to the Mathematics major should carefully plan their program to include the required prerequisites. It is strongly recommended that a student attain a grade of "C" or higher in any course used to satisfy prerequisites for courses in Computer Science, Mathematics, and Statistics.

See also:

- Bachelor of Science/Bachelor of Education - Mathematics/Mathematics Education
- Bachelor of Science/Bachelor of Management - Mathematics
- Bachelor of Science - Computer Science

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/math_bsc for a suggested sequencing plan for the Mathematics major in the B.Sc. program.

ff. Music

Department: Music (Faculty of Fine Arts)

The major in Music is a broad, general program of study. Students complete a core of required courses and choose one of two streams: Theory/History or General. The Theory/History stream focuses on scholarly and written work without requiring a high level of musical performance skills, although a degree of facility on an instrument is recommended. The General stream ensures a more diverse musical background including theory, history and performance.

The program includes courses within three basic subject areas: music history and literature, theoretical subjects (harmony, analysis, composition and musicianship skills), and applied music instruction (Studio courses, Ensemble Activity courses and conducting). Entrance to Studio courses is dependent upon the results of an audition.

Please refer to the program website (www.uleth.ca/artsci/music) for more information.

Required core:

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

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

M Mathematics (B.Sc.)

Number of courses required for the major ................................................. 18

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

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

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 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)

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)

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.

Each Music Ensemble Activity course counts as one-half course (1.5 credit hours). Students with a major in Music may earn credit for a maximum of eight Music Ensemble Activity courses (12.0 credit hours).

See also:
- Bachelor of Music
- Bachelor of Arts/Bachelor of Education - Music/Music Education
- Bachelor of Music/Bachelor of Education - Music/Music Education
- Bachelor of Arts/Bachelor of Management - Music

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/musi_ba_herst for a suggested sequencing plan for the Music major with a Theory/History Stream in the B.A. program.

See www.uleth.ca/ross/sequencing-plans/musi_ba_general for a suggested sequencing plan for the Music major with a General Stream in the B.A. program.

Music (B.A.)

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

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

gg. Native American Studies

Department: Native American Studies

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

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

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


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

**Number of courses required for the major**: 13

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

**One of (Law and Politics)**
- Native American Studies 2100 - Aboriginal Peoples and Law
- Native American Studies 2150 - Native American 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 additional 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

**Notes**

See also:
- Bachelor of Arts/Bachelor of Education - Native American Studies/Native Education
- Bachelor of Arts/Bachelor of Management - Native American Studies

**Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/nas_ba for a suggested sequencing plan for the Native American Studies major in the B.A. program.

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**Neuroscience**

Department: Neuroscience

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

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

**Required courses:**
- Biology 1010 - Cellular Basis of Life
- Biology 1020 - Diversity of Life
- Biology 2000 - Principles of Genetics
- Neuroscience 2600 - Brain and Behaviour
- Neuroscience 3600 - Fundamental Neuroscience
- Psychology 2330 - Learning and Cognition
- Psychology 2700 - Behaviour and Evolution

Three of:
- Biochemistry 2000 - Introductory Biochemistry
- Biology 3000 - Gene Expression and Regulation
- Biology 3105 - Signal Transduction
- Biology 3310 - Developmental Biology
- Biology 3400 - Principles of Microbiology
- Neuroscience 3625 - Cellular and Molecular Neuroscience

**One of:**
- Philosophy 2220 - Philosophy of Mind
- Philosophy 2233 - Philosophy and the World View of Science: Earth and Life Sciences

1 Philosophy 3270 - Theory of Knowledge
1 Philosophy 3402 - Biomedical Ethics

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

**One of:**
- Neuroscience 4630 - Neuroscience (Series)
- Neuroscience 4980 - Applied Studies
- Neuroscience 4990 - Independent Study
- Neuroscience 4995 - Undergraduate Thesis

Two courses (6.0 credit hours) in Neuroscience or Psychology at the 3000/4000 level with a Science designation (see **List III: Science Courses, p. 85**).

**One of the following groups:**

**Biochemistry 2000 - Introductory Biochemistry**
- Chemistry 1110 - Chemistry for Life Sciences I
- Chemistry 2120 - Chemistry for Life Sciences II

Two additional courses (6.0 credit hours) in Biology, Chemistry, Neuroscience, or Psychology at the 3000/4000 level with a Science Designation (See **List III: Science Courses, p. 85**)

**Note:** Students who choose this grouping may not choose Biochemistry 2000 as part of the “Three of” list above.

**OR**

**Chemistry 1000 - General Chemistry I**
- Chemistry 2000 - General Chemistry II
- Chemistry 2500 - Organic Chemistry I
- Chemistry 2600 - Organic Chemistry II

**One of:**
- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 1560 - Calculus I

**Recommended courses:**
- Biology 3005 - Genome Maintenance
- Biology 3115 - Principles of Cell Growth
- Biology 3210 - Experimental Methods in Molecular and Cellular Biology
- Computer Science 1000 - Introduction to Computer Science
- Logic 1000 - Critical Thinking
- Management 2020 - Marketing
- Neuroscience 3705 - Evolution of Brain and Behaviour
Notes

1 Prerequisite required: One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy.
2 If Neuroscience 4995 is chosen, the requirement for two additional courses at the 3000/4000 level in Neuroscience or Psychology with a Science designation is reduced to one additional such course.

It is strongly recommended that students who are planning to pursue graduate studies in the Neuroscience consider the Undergraduate Thesis option and include the following courses in their program:

- Neuroscience 3605 - Research Methods in Neuroscience
- Psychology 3400 - Advanced Research Design and Data Analysis

See also:
- Bachelor of Science - Psychology
- Bachelor of Arts/Bachelor of Management - Philosophy

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/neur_bsc for a suggested sequencing plan for the Neuroscience major in the B.Sc. program.

<table>
<thead>
<tr>
<th>Neuroscience (B.Sc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of courses for the major ........................................... 22</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
</tbody>
</table>

ii. Philosophy

Department: Philosophy

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

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

Required courses:

Two of (Logic):
- Logic 1000 - Critical Thinking
- Logic 2003 - Symbolic Logic I
- Logic 3003 - Symbolic Logic II

Two of (History of Philosophy):
- 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

One of (Philosophy of Values):
- Philosophy 2001 - Introduction to Ethics
- Philosophy 3401 - Social and Political Philosophy
- Philosophy 3410 - Advanced Ethics

One of (Philosophy of Reality):
- Philosophy 2001 - Introduction to Ethics
- Philosophy 2230 - 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

Two of (Philosophy of Reality):
- 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) in Philosophy or Logic at the 4000 level

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

Notes

Students should take courses from as many instructors as possible, since the views of instructors on any given topic may vary significantly. Those intending to go on to graduate or professional schools should get more specific advice, particularly about Independent Study.

See also:
- Bachelor of Arts/Bachelor of Management - Philosophy

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/phil_ba for a suggested sequencing plan for the Philosophy major in the B.A. program.

Concentration: Legal Reasoning (Optional)

Philosophy majors in the B.A. and BASc. degree programs may declare a Concentration in Legal Reasoning.

Required courses:
- Philosophy 3401 - Social and Political Philosophy
- Philosophy 3404 - Philosophy of Law

Two of:
- Philosophy 2001 - Introduction to Ethics
- Philosophy 2230 - Environmental Philosophy
- Philosophy 3402 - Biomedical Ethics
- Philosophy 3411 - Game Theory in Philosophy
- Philosophy 3413 - Feminist Philosophy
- Philosophy 3450 - Philosophy of War
- Philosophy 3460 - Philosophy of Peace

One of:
- Management 3010 - Management Law
- Native American Studies 2100 - Aboriginal Peoples and Law
- 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 3245 - Women and the Law
Notes

1 Prerequisite Required: Native American Studies 1000.
2 Prerequisite Required: Political Science 2210.
3 Prerequisite Required: One of Political Science 1000 or Political Science 2210.

Students may not double count courses required for the Concentration in Legal Reasoning in fulfilling requirements for the major in Philosophy.

For students who complete all requirements, the Concentration in Legal Reasoning will be acknowledged on the official transcript.

<table>
<thead>
<tr>
<th>Philosophy (B.A.)</th>
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</thead>
<tbody>
<tr>
<td>Number of courses required for the major ........................................ 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
<tr>
<td>Concentration: Legal Reasoning (optional)</td>
</tr>
<tr>
<td>Number of courses required for concentration ................................ 5</td>
</tr>
<tr>
<td>Total number of courses required for major and concentration ................ 18</td>
</tr>
</tbody>
</table>

jj. Physics

Department: Physics and Astronomy

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

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

Required courses:

Chemistry 1000 - General Chemistry I
Computer Science 1620 - Fundamentals of Programming I
Mathematics 1410 - Elementary Linear Algebra
Mathematics 1560 - Calculus I
Mathematics 2560 - Calculus II
Mathematics 2570 - Calculus III
Mathematics 2580 - Calculus IV
Physics 2000 - Introduction to Physics II
Physics 2120 - Introduction to Physics III
Physics 2130 - Waves, Optics and Sound
Physics 2150 - Quantum Mechanics I
Physics 2800 - Methods in Mathematical Physics
Physics 2925 - Introduction to Experimental Physics
Physics 3150 - Quantum Mechanics II
Physics 3175 - Electricity and Magnetism
Physics 3200 - Mechanics
Physics 3400 - Thermal and Statistical Physics
Physics 3750 - Contemporary Physics
Physics 3800 - Methods of Theoretical Physics
Physics 3925 - Experimental Physics
Physics 4175 - The Electromagnetic Interaction

One of:

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

One of:

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

One of:

- Physics 4150 - Quantum Mechanics III
- Physics 4200 - Advanced Mechanics
2 Two of:

- Physics 3650 - Optics
- Physics 3840 - Introduction to Computational Physics
- Physics 3990 - Intermediate Experimental Physics (Series)
- Physics 4000 - Advanced Studies in Physics (Series)
- Physics 4100 - Nuclear and Particle Physics
- Physics 4250 - Solid State Physics
- Physics 4650 - Physics of Remote Sensing

Notes

1 Engineering 2000 and Mathematics 1560 are prerequisites for Engineering 2060.

2 Offerings in Physics 3850 (Topics) and Physics 4850 (Topics) and either Physics 4150 or Physics 4200 (if not used above) may be used to satisfy this requirement.

Since a number of courses are offered only on alternate years, students are advised to plan carefully to include the desired courses. In all cases, students (especially those planning for advanced studies in Physics) are encouraged to seek advice on their programs from any member of the Department of Physics and Astronomy.

It is recommended that students majoring in Physics include in their program courses in Biology, Chemistry, Computer Science, and Mathematics.

It is strongly recommended that a student attain a grade of ‘C’ or higher in any course used to satisfy prerequisites for courses in Physics and Mathematics.

See also:

- Bachelor of Science - Remote Sensing
- Bachelor of Science/Bachelor of Education - Physics/Science Education
- Bachelor of Science/Bachelor of Management - Physics

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/phys_bsc for a suggested sequencing plan for the Physics major in the B.Sc. program.

<table>
<thead>
<tr>
<th>Physics (B.Sc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of courses required for the major ........................................ 26</td>
</tr>
<tr>
<td>(Independent Study - Optional; may not be counted in required courses for major)</td>
</tr>
</tbody>
</table>

kk. Political Science

Department: Political Science

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

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

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), Political Science 4990 (Independent Study) and Political Science 4995 (Undergraduate Thesis) 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.

See also:
- Bachelor of Arts/Bachelor of Education - Political Science/Social Studies Education
- Bachelor of Arts/Bachelor of Management - Political Science

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/poli_ba for a suggested sequencing plan for the Political Science major in the B.A. program.

<table>
<thead>
<tr>
<th>Political Science (B.A.)</th>
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</thead>
<tbody>
<tr>
<td>Number of courses required for the major ........................................... 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
</tbody>
</table>

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

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

Required courses:
Psychology 1000 - Basic Concepts of Psychology
Psychology 2020 - Methods and Statistics
Four courses (12.0 credit hours) in Psychology or Neuroscience at the 2000 level
Six courses (18.0 credit hours) in Psychology or Neuroscience at the 3000/4000 level
One course (3.0 credit hours) in Psychology at the 4000 level

Notes
Students who wish to pursue graduate studies in Psychology should consider the Undergraduate Thesis option and should take Psychology 3400. Students who wish to pursue graduate studies in Neuroscience should, in addition, take Neuroscience 3603, and may wish to consider a major in Neuroscience (see the Neuroscience major earlier in this section).

See also:
- Bachelor of Science - Neuroscience
- Bachelor of Arts/Bachelor of Management - Psychology
- Bachelor of Science/Bachelor of Management - Psychology

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/psych_ba_bsc for a suggested sequencing plan for the Psychology major in the B.A. or B.Sc. program.

<table>
<thead>
<tr>
<th>Psychology (B.A. or B.Sc.)</th>
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<tbody>
<tr>
<td>Number of courses required for the major ........................................... 13</td>
</tr>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for major)</td>
</tr>
</tbody>
</table>

III. Religious Studies
Department: Religious Studies
Religious Studies aims to enhance critical understanding of the phenomenon of religion and the diversity of religious experience and expression from antiquity to the present in both Eastern and Western traditions. This field of study uses a wide range of tools and methods to describe, analyze and understand religion in human experience. Fundamental issues such as belief, texts, worship, ritual, concepts of the divine, the human condition and the historical development of particular religions are examined. The academic study of religion requires a measure of neutrality, whereby no particular religious tradition is privileged. A major in Religious Studies provides a broad-based understanding of the diverse religious world and requires students to study general themes and issues as well as specific traditions from both Eastern and Western religions.

Please refer to the program website (www.uleth.ca/artsci/religious-studies) for more information.

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)

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

Five additional courses (15.0 credit hours) in Religious Studies at the 3000/4000 level, excluding Religious Studies 3980 and 4980 (Applied Studies), and Religious Studies 4995 (Undergraduate Thesis)

Notes
1 Most 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.

See also:
• Bachelor of Arts/Bachelor of Management - Religious Studies

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/rels_ba for a suggested sequencing plan for the Religious Studies major in the B.A. program.

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

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

Required courses:
Computer Science 1620 - Fundamentals of Programming 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
Geography 3720 - Remote Sensing
Geography 4725 - Advanced Remote Sensing
Mathematics 1410 - Elementary Linear Algebra
Mathematics 1560 - Calculus I
Mathematics 2560 - Calculus II
Mathematics 2570 - Calculus III
Mathematics 2580 - Calculus IV
Physics 2000 - Introduction to Physics II
Physics 2120 - Introduction to Physics III
Physics 2130 - Waves, Optics and Sound
Physics 2925 - Introduction to Experimental Physics
Physics 3650 - Optics
Physics 4650 - Physics of Remote Sensing

One of:
Geography 4710 - Remote Sensing Field Techniques
Geography 4751 - Project in Spatial Modelling
Geography 4753 - Seminar in Remote Sensing

One of:
Physics 1000 - Introduction to Physics I
Physics 1050 - Introduction to Biophysics
Engineering 2060 - Engineering Mechanics

Recommended courses:
Geography 3710 - Field Techniques in the Earth Sciences
Geography 3740 - Geographical Information Systems
Any of Geography 4710, Geography 4751, and Geography 4753 not selected in the major
Physics 3175 - Electricity and Magnetism
Physics 3840 - Introduction to Computational Physics
1 Computer Science 3620 - Data Structures and Algorithms
2 Computer Science 3710 - Computer Graphics
3 Statistics 2780 - Statistical Inference

Notes
1 Prerequisites required: Computer Science 1820 and Computer Science 2620.
2 Prerequisite required: Computer Science 2620.
3 Prerequisite required: Statistics 1770.
See also:
   • Bachelor of Science - Geography
   • Bachelor of Science - Physics

Suggested Sequencing Plan

Remote Sensing (B.Sc.)
Number of courses required for the major .......................................................... 21
   (Independent Study - Optional; may not be counted in required courses for major)

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

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

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

Required courses:
Sociology 1000 - Introduction to Sociology
Sociology 2050 - Social Inequality
Sociology 2100 - Research Methodology
Sociology 2130 - Social Statistics I
Sociology 2300 - Committing Sociology
Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods
Sociology 3130 - Social Statistics II
Sociology 3210 - Classical Sociological Theory
Sociology 3220 - Contemporary Sociological Theory
Three additional courses (9.0 credit hours) in Sociology at the 3000/4000 level
Three courses (9.0 credit hours) in Sociology at the 4000 level

Notes
See also:
   • Bachelor of Arts/Bachelor of Education - Sociology/Social Studies Education
   • Bachelor of Arts/Bachelor of Management - Sociology

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/soci_ba for a suggested sequencing plan for the Sociology major in the B.A. program.

Sociology (B.A.)
Number of courses required for the major .................................................... 16
   (Independent Study - Optional; may be counted in required courses for major)

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

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

Required core (10 courses):
Geography 2535 - Introduction to Planning
Geography 4500 - Contemporary Issues and Problems in Planning (Series)

Three of (Introductory Courses):
   Anthropology 1000 - The Anthropological Perspective
   Economics 1010 - Introduction to Microeconomics
   Economics 1012 - Introduction to Macroeconomics
   Geography 1000 - Introduction to Physical Geography
   Geography 1200 - Introduction to Human Geography
   History 1000 - Western Civilization or History 1200 - World History
   Political Science 1000 - Introduction to Political Science
   Sociology 1000 - Introduction to Sociology

Two of (Urban Studies):
   Anthropology 3280 - Urban Anthropology
   Geography 3230 - Urban Social Geography
   Geography 3245 - Urbanization in Developing Countries

One of (Statistical Methods):
   Geography 2700 - Geographical Data and Analysis
   Sociology 2130 - Social Statistics I
   Statistics 1770 - Introduction to Probability and Statistics

One of (Research Techniques):
   Economics 2900 - Economics and Business Statistics
   Geography 2735 - Introduction to Geographical Information Science
   Political Science 2610 - Introductory Research Methods
   Sociology 2100 - Research Methodology
Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods
Statistics 2780 - Statistical Inference

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

Independent Study or Applied Studies (1 course)
One Independent Study or Applied Studies course at the 3000/4000 level. This course must be (1) clearly related to Urban and Regional Studies, (2) multidisciplinary, and (3) approved by the Urban and Regional Studies Coordinator.

Options (10 courses):
The ten options courses (30.0 credit hours) must draw from at least two and no more than three of the following disciplines. At least six of these courses (18.0 credit hours) must be at the 3000/4000 level.

Anthropology
Anthropology 2210 - Cultures of the World (Series)
Anthropology 3280 - Urban Anthropology

Economics
Economics 2750 - Quantitative Methods in Economics
Economics 2900 - Economics and Business Statistics
Economics 3010 - Intermediate Microeconomic Theory
Economics 3012 - Intermediate Macroeconomic Theory
Economics 3750 - Economics of Public Spending
Economics 3950 - Econometrics I

Geography
Geography 1200 - Introduction to Human Geography
Geography 2210 - Spatial Organization of Economic Activity
Geography 3075 - Environmental Resources Management
Geography 3225/Management 3660 - Industrial Location and Globalization of Enterprise
Geography 3230 - Urban Social Geography
Geography 3235 - Quantitative Models for Geographic Analysis
Geography 3245 - Urbanization in Developing Countries
Geography 3750 - GIS Applications in Human Geography
Geography 4220 - Advanced Economic Geography (Series)
Geography 4240 - Advanced Urban Geography (Series)
Additional offerings of Geography 4500 - Contemporary Issues and Problems in Planning (Series)

History
History 2001 - Main Themes in Ancient History

Political Science
Political Science 2210 - Canadian Politics and Government
Political Science 2511 - Introduction to Political Theory
Political Science 3210 - Local Government and Politics

Political Science 3250 - Alberta Politics and Government
Political Science 3260 - Canadian Public Policy
Political Science 3400 - Public Administration
Political Science 3511 - Political Thought Since 1500 (Series)

Sociology
Sociology 2010 - Canadian Society
Sociology 2600 - The Individual and Society
Sociology 3020 - Social Problems
Sociology 3050 - Sociology of Race and Ethnicity
Sociology 3210 - Classical Sociological Theory
Sociology 3220 - Contemporary Sociological Theory

Notes
Many of the options courses require prerequisites, thus students should choose courses with this in mind.
A maximum of two courses (6.0 credit hours) chosen from Applied Studies, Independent Study, Series and Topics courses in any of the above disciplines may be counted toward the Option courses in the major provided (1) they are clearly related to Urban and Regional Studies and (2) they are approved by the Urban and Regional Studies Coordinator.

See also:
- Bachelor of Arts/Bachelor of Management - Urban and Regional Studies

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/ubre_ba for a suggested sequencing plan for the Urban and Regional Studies major in the B.A. program.

Urban and Regional Studies (B.A.)
Number of courses required for the major .............................................. 21
(Independent Study - Required in major)

qq. Women and Gender Studies
Department: Women and Gender Studies
Women and Gender Studies examines the historical and contemporary conditions of women and men in society. By using feminist theories and research methodologies, students will broaden their knowledge of various power relations shaping women’s lives, bodies, experiences, labour and scholarship. Students will explore feminism as an important influence in political and societal change. The program draws on a vibrant community of women scholars, contemporary research and activism inside and outside the University to explore a breadth of social issues. In Women and Gender Studies classes, students will develop an in-depth understanding of how current and historical events, ideas and institutions have been structured by gender, ethnicity, race, age, ability, class and sexuality.

Please refer to the program website (www.uleth.ca/artsci/women-gender-studies) for more information.

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.

See also:
- Bachelor of Arts/Bachelor of Management - Women and Gender Studies

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/wgst_ba for a suggested sequencing plan for the Women and Gender Studies major in the B.A. program.

<table>
<thead>
<tr>
<th>Women and Gender Studies (B.A.)</th>
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<tbody>
<tr>
<td><strong>Number of courses required for</strong></td>
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<tr>
<td><strong>the major</strong>................................. 13</td>
</tr>
<tr>
<td><em>(Independent Study - Optional; may be counted in required courses for major)</em></td>
</tr>
</tbody>
</table>

rr. Double Majors
Although the Faculty of Arts and Science does not recognize double majors as official student programs leading toward the B.A. or B.Sc. degree, it will authorize the designation of the double major for all students who, upon graduation, have completed all of the minimum requirements for two majors.

Double majors are formed by completing the requirements of two established majors for the B.A. or two established majors for the B.Sc. Individual Multidisciplinary majors and General majors are ineligible for double major designation. Double counting of courses is not allowed. Students choosing to complete two majors may need to complete more than the minimum 40 courses for the degree depending on the choice of majors.

The Faculty cannot guarantee that course sequencing and timetables will accommodate all double major combinations within eight consecutive regular semesters of work. While students may intend to pursue two majors, only one major will be recognized on their official program forms and for establishing priority in access to courses. Double major status will only be designated upon application for graduation.

Interested students are encouraged to consult with Academic Advisors regarding double majors.

ss. Individual Multidisciplinary Majors
Students may establish Individual Multidisciplinary majors.

An Individual Multidisciplinary major must represent an identifiable and significant body of knowledge and entail in-depth study rather than a superficial survey of a broad topic. For the most part, the program is expected to be derived from the existing curriculum in Arts and Science.

An individual multidisciplinary major program consists of 20 courses with the following structure:

a. Required Core
   The core of the major must contain a minimum of eight and a maximum of 12 required courses providing a broad-based familiarity with the major. These core courses must be taken from at least two disciplines.

b. An Independent Study at the 3000 or 4000 level.

c. Options
   The remaining courses in the Individual Multidisciplinary major must be chosen from a list of optional courses. The chosen courses must be from at least two disciplines.

d. At least six of the 20 courses must be at the 3000 or 4000 level, one of which must be at the 4000 level.

Students are encouraged to apply early to establish an Individual Multidisciplinary major and also to explore potential programs with faculty members prior to making an application.

An application to establish an Individual Multidisciplinary major must be submitted to the Dean or Dean's designate. Approval of an Individual Multidisciplinary major by Arts and Science Council must be obtained prior to registration in the final 10 courses in the degree. Students are advised that formulation and approval of a program normally takes up to six months after the initial application and thus applications should be submitted in sufficient time to allow processing.

The Individual Multidisciplinary major shall be formulated by a committee, chaired by the Dean or Dean's designate and composed of the student and faculty representatives, appointed by their departments, from at least two appropriate departments chosen by the Dean or Dean's designate.

During its deliberations the committee shall consult all departments represented in the major. Before being submitted to the Arts and Science Curriculum Committee, the proposed program shall be approved by the Chairs of the departments represented on the committee.

Students interested in an Individual Multidisciplinary major should contact the Dean or Dean's designate.

17. MINORS

Students in the 40-course (120.0 credit hours) Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), or Bachelor of Arts and Science (B.A.Sc.) program may declare a minor, to be completed in addition to their major.

Note: Arts and Science minors are not available to students in the Combined Degrees programs (i.e., B.A./B.Ed., B.A./B.Mgt., B.Sc./B.Ed., B.Sc./B.Mgt.), Post-Diploma programs, or the B.A., B.Sc., or B.A.Sc. as second degree.

Students choosing to complete a minor may need to complete more than the minimum 40 courses for the degree depending on the program and choice of major(s).

General Requirements

Students must complete at least six courses (18.0 credit hours), including at least one course (3.0 credit hours) at the 3000/4000 level. Required courses for each minor are listed below.

Students may not double count courses required for the minor in fulfilling requirements for their major. The six courses comprising the minor must be distinct from any such major requirements.
For students who complete the required courses, the minor will be acknowledged on the official transcript.

**Arts and Science Minors**

The Faculty of Arts and Science offers minors as detailed below:

**a. Asian Studies**

The minor in Asian Studies is available as an adjunct to all majors in the B.A., B.Sc., and BASc.

**Required courses:**

Six courses (18.0 credit hours) in Asian Studies and related subjects, including at least one course (3.0 credit hours) at the 3000/4000 level, as follows:

**Asian Studies 1000 - Introduction to Asia**

**Five of:**

History 2250 - China in the 19th and 20th Centuries
History 2290 - Main Themes in East Asian History
History 4040 - Seminars in East Asian History
(Series)

**One of:**

Interdisciplinary Studies 2008 - Japan and the Japanese (Series)
Interdisciplinary Studies 2600 - Study Tour of Japan
Japanese 1000 - Beginners' Japanese I
Japanese 1100 - Beginners' Japanese II
Japanese 1500 - Intermediate Language I
Japanese 2000 - Intermediate Language II
Japanese 3001 - Advanced Language
Religious Studies 2100 - The Hindu Tradition
Religious Studies 2200 - The Buddhist Tradition
Religious Studies 2300 - East Asian Religions
Religious Studies 3100 - Studies in Indian Religion (Series)
Religious Studies 3300 - Studies in East Asian Religions (Series)
Religious Studies 4110 - Seminars in Eastern Religions (Series)

Students may include up to four Management courses in the minor, subject to the following provisions:

• No more than two courses offered by the Faculty of Management may be completed. These may include offerings in Management 3815 - Regional Aspects of International Management (Series) and Management 4640 - Cross-Cultural Work Study provided (1) they are clearly related to Asian Studies and (2) they are approved by the Dean of Arts and Science.

• No more than two courses completed at an exchange partner institution in Asia provided (1) they are clearly related to Asian Studies and (2) they are approved by the Dean of Arts and Science.

Topics courses, Series courses (e.g. offerings in Anthropology 3100), Applied Studies, Independent Studies, and courses offered by a Faculty other than the Faculty of Arts and Science, and non-Management courses taken at an exchange partner institution in Asia may be counted toward the minor provided (1) they are clearly related to Asian Studies and (2) they are approved by the Dean of Arts and Science.

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

**b. Computer Science**

The minor in Computer Science is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except majors in Computer Science, Computer Science and Geographical Information Science, and the General Major in the Sciences if Computer Science is chosen as one of the disciplinary streams.

**Required courses:**

Six courses (18.0 credit hours) in Computer Science, including at least two Computer Science courses (6.0 credit hours) at the 3000/4000 level.

**Note:** Students may not include Computer Science 1000 - Introduction to Computer Science among the six courses required for the minor.

No more than one Independent Study (Computer Science 2990, 3990, 4990) or Applied Studies (Computer Science 2980, 3980, 4980) course may be counted towards the minor.

**c. Economics**

The minor in Economics is available as an adjunct to all majors in the B.A., B.Sc. and BASc. except the major in Economics and the General Major in the Social Sciences if Economics is chosen as one of the disciplinary streams.

**Required courses:**

Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
One course (3.0 credit hours) in Economics at the 3000/4000 level

Three additional courses (9.0 credit hours) in Economics

No more than one Independent Study (Economics 2990, 3990, 4990) or Applied Studies (Economics 2980, 3980, 4980) course may be counted towards the minor.

**d. English**

The minor in English is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in English and the General Major in the Humanities if English is chosen as one of the disciplinary streams.

**Required courses:**

Six courses (18.0 credit hours) in English, including at least two courses (6.0 credit hours) in English at the 3000/4000 level.

No more than one Independent Study (English 2990, 3990, 4990) course may be counted towards the minor.

Applied Studies courses (English 2980, 3980, 4980) may not be counted towards the minor in English.
e. French

The minor in French is available as an adjunct to all majors in the B.A., B.Sc., and BA.Sc. except the majors in French, French/German, and French/Spanish, and the General Major in the Humanities if French is chosen as one of the disciplinary streams.

Courses taken through the French Visiting Student program may be counted towards the minor.

**Required courses:**
Six courses (18.0 credit hours) in French, including at least one French course (3.0 credit hours) at the 3000/4000 level.

No more than one Independent Study (French 2990, 3990, 4990) or Applied Studies (French 2980, 3980, 4980) course may be counted towards the minor.

f. German

*Note: Effective May 1, 2013, the Minor in German has been suspended. Students may not declare this minor in the 2013/2014 academic year and thereafter, until further notice.*

The minor in German is available as an adjunct to all majors in the B.A., B.Sc., and BA.Sc. except the majors in German and French/German, and the General Major in the Humanities if German is chosen as one of the disciplinary streams.

Courses taken through the German Visiting Student program may be counted towards the minor.

**Required courses:**
Six courses (18.0 credit hours) in German, including at least one German course (3.0 credit hours) at the 3000/4000 level.

No more than one Independent Study (German 2990, 3990, 4990) or Applied Studies (German 2980, 3980, 4980) course may be counted towards the minor.

g. History

The minor in History is available as an adjunct to all majors in the B.A., B.Sc., and BA.Sc. except the major in History and the General Majors in the Humanities and Social Sciences if History is chosen as one of the disciplinary streams.

Courses taken through the German Visiting Student program may be counted towards the minor.

**Required courses:**
Six courses (18.0 credit hours) in History, including at least one History course (3.0 credit hours) at the 3000/4000 level.

No more than one Independent Study (History 2990, 3990, 4990) or Applied Studies (History 2980, 3980, 4980) course may be counted towards the minor.

h. Japanese

The minor in Japanese is available as an adjunct to all majors in the B.A., B.Sc., and BA.Sc. except the General Major in the Humanities if Japanese is chosen as one of the disciplinary streams.

**Required courses:**
Six courses (18.0 credit hours) in Japanese and related subjects as follows:

A minimum of four Japanese (JPNS) courses (12.0 credit hours) for which the language of instruction is Japanese, including a minimum of one Japanese course (3.0 credit hours) at the 3000/4000 level.

**Note:** Japanese 2850, Japanese 3850, or Japanese 4850 may be included with permission of the Department of Modern Languages.

Up to two courses from the following list, for which the language of instruction is English, may be counted among the six courses required for the minor in Japanese:

- Interdisciplinary Studies 2008 - Japan and the Japanese (Series)
- Interdisciplinary Studies 2600 - Study Tour of Japan

**Note:** Offerings in Modern Languages 2850, Modern Languages 3850, or Modern Languages 4850 with a focus on Japanese language or culture may be included, with permission of the Department of Modern Languages.

No more than one Independent Study (Japanese 2990, 3990, 4990) or Applied Studies (Japanese 2980, 3980, 4980) course may be counted towards the minor.

i. Linguistics

The minor in Linguistics is available as an adjunct to all majors in the B.A., B.Sc., and BA.Sc. except the General Major in the Humanities if Linguistics is chosen as one of the disciplinary streams.

**Required courses:**
Six courses (18.0 credit hours) in Linguistics, including at least one Linguistics course (3.0 credit hours) at the 3000/4000 level.

One of the following courses may be counted as one of the six courses required for the Linguistics minor:

- Anthropology 2510 - Language, Culture, and Communication
- Blackfoot 2210 - Structure of the Blackfoot Language
- Blackfoot 3210 - Blackfoot Morphology and Syntax
- Cree 2210 - Structure of the Plains Cree Language
- English 2810 - Grammar
- English 3450 - Old English
- English 3901 - History of the English Language
- French 3450 - Phonetics and Diction
- French 4001 - Advanced Language
- German 3000 - Advanced Language
- Greek 1300 - Elementary Biblical Greek II
- Hebrew 1100 - Elementary Hebrew II
- Japanese 3001 - Advanced Language
- Latin 1100 - Elementary Latin II
- Philosophy 3280 - Philosophy of Language
- Psychology 3240 - Psychology of Language
- Spanish 3001 - Advanced Language

Instead of a course from the above list, students may, with the permission of the Department of Modern Languages, include one Topics or Series course with an emphasis on Linguistics offered by another discipline.

No more than one Independent Study (Linguistics 2990, 3990, 4990) or Applied Studies (Linguistics 2980, 3980, 4980) course may be counted towards the minor.

Note: Effective May 1, 2013, the Minor in German has been suspended. Students may not declare this minor in the 2013/2014 academic year and thereafter, until further notice.
j. Mathematics
The minor in Mathematics is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Mathematics and the General Major in the Sciences if Mathematics is chosen as one of the disciplinary streams.

**Required courses:**
Four courses (12.0 credit hours) in Mathematics
Two courses (6.0 credit hours) in Mathematics or Statistics at the 3000/4000 level
Students may **not** include Mathematics 0500 (Essential Mathematics), Mathematics 2090 (Number Systems), Independent Study courses (Mathematics or Statistics 2990, 3990, 4990) or Applied Studies courses (Mathematics or Statistics 2980, 3980, 4980) among the six courses required for the minor.

k. Philosophy
The minor in Philosophy is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Philosophy and the General Major in the Humanities if Philosophy is chosen as one of the disciplinary streams.

**Required courses:**
Six courses (18.0 credit hours) in Philosophy and/or Logic, including at least one Philosophy or Logic course (3.0 credit hours) at the 3000/4000 level.

\[\text{No more than one Independent Study (Philosophy or Logic 2990, 3990, 4990) or Applied Studies (Philosophy or Logic 2980, 3980, 4980) course may be counted towards the minor.}\]

l. Physics
The minor in Physics is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Physics and the General Major in the Sciences if Physics is chosen as one of the disciplinary streams.

**Required courses:**
1. Physics 2000 - Introduction to Physics II
2. Physics 2120 - Introduction to Physics III
3. Physics 2130 - Waves, Optics and Sound
4. Physics 3750 - Contemporary Physics

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

One of:
- Astronomy 2020 - Modern Astronomy
- Astronomy 2070 - The Solar System
- Astronomy 3020 - Introduction to Cosmology

\[1 \text{ Prerequisite required: Mathematics 1560; Corequisite required: Mathematics 2260.}\]
\[2 \text{ Corequisite required: Mathematics 1560.}\]

m. Political Science
The minor in Political Science is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Political Science and the General Major in the Social Sciences if Political Science is chosen as one of the disciplinary streams.

**Required courses:**
Six courses (18.0 credit hours) in Political Science, including at least one Political Science course (3.0 credit hours) at the 3000/4000 level.

\[\text{No more than one Independent Study (Political Science 2990, 3990, 4990) or Applied Studies (Political Science 2980, 3980, 4980) course may be counted towards the minor.}\]

n. Religious Studies
The minor in Religious Studies is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Religious Studies and the General Major in the Humanities if Religious Studies is chosen as one of the disciplinary streams.

**Required courses:**
Religious Studies 1000 - Introduction to World Religions
One course in Religious Studies (3.0 credit hours) at the 3000/4000 level
Four additional courses (12.0 credit hours) in Religious Studies

\[\text{Independent Study (Religious Studies 2990, 3990, 4990) or Applied Studies (Religious Studies 2980, 3980, 4980) courses may **not** be counted towards the minor in Religious Studies.}\]

o. Spanish
The minor in Spanish is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in French/Spanish and the General Major in the Humanities if Spanish is chosen as one of the disciplinary streams. Courses taken through the Spanish Visiting Student program may be counted towards the minor.

**Required courses:**
Six courses (18.0 credit hours) in Spanish, including at least one Spanish course (3.0 credit hours) at the 3000/4000 level.

\[\text{No more than one Independent Study (Spanish 2990, 3990, 4990) or Applied Studies (Spanish 2980, 3980, 4980) course may be counted towards the minor.}\]

p. Women and Gender Studies
The minor in Women and Gender Studies is available as an adjunct to all majors in the B.A., B.Sc., and BASc. except the major in Women and Gender Studies and the General Major in the Social Sciences if Women and Gender Studies is chosen as one of the disciplinary streams.

**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
Two Women and Gender Studies courses (6.0 credit hours) at the 3000/4000 level.

\[\text{No more than one Independent Study (Women and Gender Studies 2990, 3990, 4990) or Applied Studies (Women and Gender Studies 2980, 3980, 4980) course may be counted towards the minor.}\]
18. CONCENTRATIONS

A concentration is a defined set of courses related to a major. In the Faculty of Arts and Science, concentrations are optional and require five courses (15.0 credit hours) in addition to the minimum requirements for the major or program. The one exception is the Post-Diploma B.Sc. in Geographical Information Science, where courses for the concentration are specified requirements for the program.

Students in certain majors in the B.A., B.Sc., or BASc. degree programs and in some post-diploma programs may declare a concentration. For students who complete all requirements, the concentration will be acknowledged on the official transcript.

Available concentrations are listed below:

a. Concentration in Agricultural Business
   - Major in Agricultural Studies (B.A. or B.Sc.)
   - Major in Agricultural Biotechnology (B.Sc.)
   - Post-Diploma B.A. in Agricultural Studies
   - Post-Diploma B.Sc. in Agricultural Studies

b. Concentration in Geographical Information Science
   - Major in Agricultural Studies (B.Sc.)
   - Major in Archaeology and Geography (B.A. or B.Sc.)
   - Major in Environmental Science (B.Sc.)
   - Major in Geography (B.A., B.Sc., or BASc.)
   - Post-Diploma B.Sc. in Agricultural Studies
   - Post-Diploma B.Sc. in Environmental Science

c. Concentration in Legal Reasoning
   - Major in Philosophy (B.A. or BASc.)

Required courses for the concentrations can be found in Section 16 (Majors) along with the requirements for the given major or in Section 22 where requirements for each post-diploma program are outlined.

19. COMBINED DEGREES

There are combined 50-course programs leading to the degrees B.A./B.Ed. and B.Sc./B.Ed., and the degrees B.A./B.Mgt. and B.Sc./B.Mgt. Upon successful completion of the program the student receives the degree B.A. or B.Sc. from the Faculty of Arts and Science and the degree B.Ed. from the Faculty of Education or the degree B.Mgt. from the Faculty of Management. Neither degree is granted until the entire combined degrees program is completed. Please see Part 13 - Combined Degrees for complete information.

20. B.A., B.Sc. or BASc. AFTER AN APPROVED DEGREE

a. General Requirements

1. Completion of at least 20 courses (60.0 credit hours) with a grade point average of at least 2.00. The program must be approved on an individual basis in advance by the Dean, and in some cases more than 20 courses (60.0 credit hours) may be required to satisfy all second degree and major requirements.

2. Completion of the General Liberal Education Requirement: six courses, two from each of List I, List II, and List III (see Part 4 - Academic Regulations, Section 10, p. 83).

3. No courses may be completed for credit towards the degree below the 2000 level, unless required for the major.

4. Completion of at least 10 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding activity courses (labelled PHAC and MUSE).

5. Not more than three Independent Study courses (9.0 credit hours) may be completed for credit towards the degree.

6. Not more than three Disciplinary Credit Applied Studies courses (9.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.

7. No courses from disciplines outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed towards the degree.

8. Residence Requirement: 20 courses (60.0 credit hours) taken at the University of Lethbridge after admission to the second degree program, including the last 10 (30.0 credit hours) taken for credit toward the degree.

9. Academic Standards: A cumulative grade point average of at least 2.00 must be maintained at all times.

10. Credit earned towards a previous degree may not be used toward the second bachelor's degree. However, recognition may be given for the content of such previous work in the major(s). In such cases, students will be required to complete appropriate 3000/4000-level courses in lieu of those for which exemption has been granted. Substitutions must be approved by the Dean, Faculty of Arts and Science, on recommendation from the Department Chair or Program Coordinator.

b. Major Requirements

1. The major(s) must be declared at the time of program approval. Please see pp. 103-104 for a listing of majors available for B.A., B.Sc., and BASc. degrees. All requirements for the major(s) must be completed.

2. Students seeking a General Major for a B.A. or B.Sc. after an approved degree, must complete a modified 16-course General Major which includes at least four courses in each of three disciplinary streams, three additional courses from any of the available disciplinary streams, and one additional course. Please see pp. 122-123 for more information on the General Majors.

21. B.A. or B.Sc. AFTER COMPLETION OF A PROFESSIONAL DEGREE

Students who initially complete an approved 30-course program in the Faculty of Arts and Science may attain the University of Lethbridge degree B.A. or B.Sc. after completing degree requirements in Dentistry, Law, Medicine and Social Work in professional Faculties elsewhere. Other professional programs may be approved on an individual basis.
Students completing other professional degrees in combination with the initial 30-course Arts and Science programs may be awarded the B.A. or B.Sc. degree upon approval of the Faculty of Arts and Science.

Students intending to complete the B.A. or B.Sc. requirements in the above manner must have their programs approved by the Dean or Dean's designate. It is recommended that interested students consult with an Academic Advisor early in their programs.

22. POST-DIPLOMA DEGREE PROGRAMS

a. Post-Diploma Bachelor of Arts (B.A.) in Agricultural Studies

This program is directed toward graduates of approved two-year college diplomas in Agriculture. Graduates of other diploma programs in Agriculture will also be considered. See Part 20 - Collaborating and Partnering Institutions for a list of colleges with approved diplomas; website: www.uleth.ca/postdiploma.

Students must complete at least 20 courses (60.0 credit hours), as follows, with a minimum grade point average of 2.00.

**Required core (12 courses):**
- Agricultural Studies 1000 - The Evolution of Agriculture
- Agricultural Studies 3300 - Modelling of Agricultural Systems
- Agricultural Studies 4000 - Seminar in Agricultural Issues
- Economics 1010 - Introduction to Microeconomics
- Economics 2750 - Quantitative Methods in Economics
- Economics 3300 - Agricultural Policy I
- Statistics 1770 - Introduction to Probability and Statistics

**One of:**
- Economics 2150 - Economics of Agricultural Issues
- Economics 2350 - Economics of Agricultural Markets I

**One of:**
- Philosophy 2001 - Introduction to Ethics
- Philosophy 2236 - Environmental Philosophy
- Philosophy 3402 - Biomedical Ethics

**One of:**
- Economics 2900 - Economics and Business Statistics
- Statistics 2780 - Statistical Inference

**One of:**
- English 1900 - Introduction to Language and Literature
- History 1000 - Western Civilization
- History 1200 - World History
- Philosophy 1000 - Introduction to Philosophy
- Religious Studies 1000 - Introduction to World Religions

One additional course (3.0 credit hours) from List I: Fine Arts and Humanities Courses

**Required stream (Choose one of the following streams; 8 courses):**

**General Stream**
Three courses (9.0 credit hours) at the 3000/4000 level from List I: Fine Arts and Humanities Courses and List II: Social Science Courses

One additional course (3.0 credit hours) from List I: Fine Arts and Humanities Courses and List II: Social Science Courses

Four additional courses (12.0 credit hours) from disciplines offered by the Faculty of Arts and Science

**Agricultural Economics Stream**
Economics 1012 - Introduction to Macroeconomics
Economics 3010 - Intermediate Microeconomic Theory
Economics 3012 - Intermediate Macroeconomic Theory
Economics 4300 - Agricultural Policy II

Two additional courses (6.0 credit hours) at the 3000/4000 level from List I: Fine Arts and Humanities Courses and List II: Social Science Courses

Two additional courses (6.0 credit hours) from disciplines offered by the Faculty of Arts and Science

Notes
To determine if a given course has a Fine Arts and Humanities designation 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.b., p. 83).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students with an interest in graduate study in Agriculture or recognition in professional societies should select their additional courses from Economics (3000/4000 level).

A student who successfully completes this degree program and major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.

**Suggested Sequencing Plan**
See www.uleth.ca/ross/sequencing-plans/agst_ba_pd_gen for a suggested sequencing plan for the Agricultural Studies major with a General stream in the Post-Diploma B.A. program.

See www.uleth.ca/ross/sequencing-plans/agst_ba_pd_econ for a suggested sequencing plan for the Agricultural Studies major with an Agricultural Economics stream in the Post-Diploma B.A. program.

**Concentration: Agricultural Business (Optional)**
Students in the Post-Diploma B.A. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.

**Required courses:**
- Management 2020 - Marketing
- Management 2100 - Introductory Accounting

**Three of:**
- Economics 3030 - Managerial Economics
- Economics 3080/Management 3780 - Principles of Industrial Organization I
- Management 3010 - Management Law
- Political Science 2210 - Canadian Politics and Government
- Political Science 3420/Management 3050 - Human Resource Management

Notes
1 Has prerequisites: One of Management 2030 or one 2000-level Political Science course (3.0 credit hours), and one of Writing 1000 or a university English course (3.0 credit hours).

Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for the post-diploma program.
For students who complete all requirements, the Concentration in Agricultural Business will be acknowledged on the official transcript.

**Post-Diploma B.A. in Agricultural Studies**

<table>
<thead>
<tr>
<th>Number of courses required for program</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for program)</td>
<td></td>
</tr>
<tr>
<td><strong>Concentration: Agricultural Business (optional)</strong></td>
<td></td>
</tr>
<tr>
<td>Number of courses required for concentration</td>
<td>5</td>
</tr>
</tbody>
</table>

**b. Post-Diploma Bachelor of Science (B.Sc.) in Agricultural Studies**

This program is directed toward graduates of approved two-year college diplomas in Agriculture. Graduates of other diploma programs in Agriculture will also be considered. See **Part 20 - Collaborating and Partnering Institutions** for a list of colleges with approved diplomas; website: www.uleth.ca/postdiploma.

Students must complete at least 20 courses (60.0 credit hours), as follows, with a minimum grade point average of 2.00.

**Required core (12 courses):**

- Agricultural Studies 1000 - The Evolution of Agriculture
- Agricultural Studies 3300 - Modelling of Agricultural Systems
- Agricultural Studies 4000 - Seminar in Agricultural Issues
- Biology 1010 - Cellular Basis of Life
- Economics 1010 - Introduction to Microeconomics
- Economics 3220 - Environmental Economics
- Economics 3300 - Agricultural Policy I
- Geography 3210 - Agricultural Geography
- Statistics 1770 - Introduction to Probability and Statistics

**One of:**

- Philosophy 2001 - Introduction to Ethics
- Philosophy 2236 - Environmental Philosophy
- Philosophy 3402 - Biomedical Ethics

**One of:**

- English 1900 - Introduction to Language and Literature
- History 1000 - Western Civilization
- History 1200 - World History
- Philosophy 1000 - Introduction to Philosophy
- Religious Studies 1000 - Introduction to World Religions

One additional course from List I: Fine Arts and Humanities Courses

**Required stream (Choose one of the following streams; 8 courses):**

**Biological Sciences Stream**

- Biology 2000 - Principles of Genetics
- Biology 2200 - Principles of Ecology
- Chemistry 1110 - Chemistry for Life Sciences I
- Chemistry 2210 - Chemistry for Life Sciences II

**Four of:**

- Biology 3000 - Gene Expression and Regulation
- Biology 3105 - Signal Transduction

**Notes**

3. Prerequisite required: Biology 3210.

To determine if a given course has a Fine Arts and Humanities designation, see List I: Fine Arts and Humanities Courses (see **Part 4 - Academic Regulations, Section 10.b., p. 83**).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students may count a maximum of two Special Topics courses (i.e., Biology or Geography 3850 or 4850) towards the required stream provided:

1. They are clearly related to the stream; and,
2. They are approved by the Coordinator of Agricultural Studies.

Students wishing to pursue the Concentration in Geographical Information Science must complete Geography 2735 among the eight courses required in the Geography Stream.

A student who successfully completes this degree program and major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.
Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/agst_bsc_pd for a suggested sequencing plan for the Agricultural Studies major in the Post-Diploma B.Sc. program.

Concentration: Agricultural Business (Optional)
Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.

Required courses:
Management 2020 - Marketing
Management 2100 - Introductory Accounting

Three of:
- Economics 3030 - Managerial Economics
- Economics 3080/Management 3780 - Principles of Industrial Organization I
- Management 3010 - Management Law
- Political Science 2210 - Canadian Politics and Government
- Political Science 3420/Management 3050 - Human Resource Management

Notes
1 Has prerequisites: One of Management 2030 or one 2000-level Political Science course (3.0 credit hours), and one of Writing 1000 or a university English course (3.0 credit hours).

For students who complete all the requirements, the Concentration in Agricultural Business will be acknowledged on the official transcript.

Concentration: Geographical Information Science (Optional)
Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Geographical Information Science.

Required courses:
- Computer Science 1620 - Fundamentals of Programming I
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

Notes
Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Geography stream.

For students who complete all the requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

Post-Diploma B.Sc. in Agricultural Studies

<table>
<thead>
<tr>
<th>Number of courses required for program</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Independent Study - Optional; may be counted in required courses for program)</td>
<td></td>
</tr>
</tbody>
</table>

Concentration: Agricultural Business (optional)

| Number of courses required for concentration | 5 |

Concentration: Geographical Information Science (optional)

| Number of courses required for concentration | 5 |

Post-Diploma Bachelor of Science (B.Sc.) in Computer Science
This program is directed toward graduates of approved two-year college diploma programs in Computer System Technology or Computer Information Technology. Graduates of other diploma programs in these areas will also be considered. See Part 20 - Collaborating and Partnering Institutions for a list of colleges with approved diplomas; website: www.uleth.ca/postdiploma.

Students must complete at least 20 courses (60.0 credit hours), as follows, with a minimum grade point average of 2.00.

Required courses:
- Computer Science 1820 - Discrete Structures
- Computer Science 2720 - Practical Software Development
- Computer Science 3615 - Computer Architecture
- Computer Science 3620 - Data Structures and Algorithms
- Computer Science 3740 - Programming Languages
- Mathematics 2000 - Mathematical Concepts

1 Four additional courses (12.0 credit hours) in Computer Science at the 3000/4000 level

Two courses (6.0 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).

Four courses (12.0 credit hours) from List I: Fine Arts and Humanities

Four courses (12.0 credit hours) from List II: Social Sciences

Notes
1 One of the additional 3000-level Computer Science courses may be replaced by a course from the following list:
  - Physics 3900 - Intermediate Experimental Physics (Series) (Digital Electronics)
  - Any 3000/4000-level Mathematics course

To determine if a given course has a Fine Arts and Humanities designation or a Social Science designation, see List I: Fine Arts and Humanities Courses and List II: Social Science Courses (see Part 4 - Academic Regulations, Section 10.b., p. 83).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students may find that their diploma courses may overlap in content with some course offerings in the Computer Science program. However, the Department's offerings will often differ in focus and emphasis from diploma course offerings that bear superficially similar course descriptions. Students who have reservations about apparent duplication of offerings of Computer Science electives studied in their diploma programs are encouraged to pursue other elective offerings from the Department.

Students will be expected to have a working knowledge of the programming languages used by the Department in the delivery of Computer Science 1620 and Computer Science 2620. A student without this background will be expected to remedy any programming language deficiencies.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/cpsc_bsc_pd for a suggested sequencing plan for the Computer Science major in the Post-Diploma B.Sc. program.
d. **Post-Diploma Bachelor of Science (B.Sc.) in Environmental Science**

This program is directed toward graduates of approved two-year college diploma programs in Environmental Science or related areas. Graduates of other diploma programs in Environmental Science will also be considered. See [Part 20 - Collaborating and Partnering Institutions](#) for a list of colleges with approved diplomas; website: [www.uleth.ca/postdiploma](http://www.uleth.ca/postdiploma).

Students must complete at least 20 courses (60.0 credit hours), as follows, with a minimum grade point average of 2.00.

**Required courses:**

- Biology 1010 - Cellular Basis of Life
- Biology 2000 - Principles of Genetics
- Environmental Science 4000 - Selected Studies in Environmental Science II (Series)
- Geography 2300 - Weather and Climate
- Geography 2700 - Geographical Data and Analysis
- Geography 3740 - Geographical Information Systems
- One of:
  - Physics 1050 - Introduction to Biophysics
  - Statistics 1770 - Introduction to Probability and Statistics

**One of:**

- Biology 3300 - Evolution
- One course (3.0 credit hours) in Biology at the 3000/4000 level chosen from the Biological Sciences Department's List 3 (Ecology and Evolutionary Biology), see [Section 16.i. (p. 112)](#)

Two courses (6.0 credit hours) in Biology at the 3000/4000 level chosen from among the Biological Sciences Department's List 1 (Cellular and Molecular Biology), List 2 (Organismal Biology), and List 3 (Ecology and Evolutionary Biology) courses, see [Section 16.i. (p. 112)](#)

Two courses (6.0 credit hours) in Geography or Geology at the 3000/4000 level, with a Science designation

Two lab-based courses (6.0 credit hours) in Chemistry at the 1000 level or above (preferably C chemistry 1110 - C chemistry for Life Sciences I and C chemistry 2120 - C chemistry for Life Sciences II)

Three courses (9.0 credit hours) from List I: Fine Arts and Humanities

One course (3.0 credit hours) from List II: Social Sciences

One course (3.0 credit hours) from List I: Fine Arts and Humanities or List II: Social Sciences

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

**Notes**

To determine if a given course has a Fine Arts and Humanities, Social Science, or Science designation, see List I: Fine Arts and Humanities Courses, List II: Social Science Courses, and List III: Science Courses (see [Part 4 - Academic Regulations, Section 10.b., p. 83](#)).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students may not take for credit those courses offered by Biological Sciences or Geography that have close equivalents in the college diploma program. These excluded courses include the following: Biology 1020, 2200, 1000, 2735, 3080, and 2600.

**Suggested Sequencing Plan**

See [www.uleth.ca/ross/sequencing-plans/envs_bsc_pd](http://www.uleth.ca/ross/sequencing-plans/envs_bsc_pd) for a suggested sequencing plan for the Environmental Science major in the Post-Diploma B.Sc. program.

**Concentration: Geographical Information Science (Optional)**

Students in the Post-Diploma B.Sc. in Environmental Science degree program may declare a Concentration in Geographical Information Science.

**Required courses:**

- Computer Science 1620 - Fundamentals of Programming I
- Geography 3720 - Remote Sensing
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

**One of:**

- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4700 - Advanced Computer Mapping
- Geography 4710 - Remote Sensing Field Techniques
- Geography 4730 - Spatial Statistics
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing

**Additional prerequisite required:** Geography 2030

Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the major.

For students who complete, in addition to the minimum 20 courses for this B.Sc. degree program, all five courses, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

e. **Post-Diploma Bachelor of Science (B.Sc.) in Geography, With a Concentration in Geographical Information Science**

This program is directed toward graduates of approved two-year college diploma programs in geography, geomatics and land resource information systems. Graduates of other diploma programs in these areas will also be considered. See [Part 20 - Collaborating and Partnering Institutions](#).
Partnersing Institutions for a list of colleges with approved diplomas; website: www.uleth.ca/postdiploma. Students must complete at least 20 courses (60.0 credit hours), as follows, with a minimum grade point average of 2.00.

Required courses:
- Computer Science 1620 - Fundamentals of Programming
- Geography 1200 - Introduction to Human Geography
- Geography 2210 - Spatial Organization of Economic Activity
- Geography 2700 - Geographical Data and Analysis
- Geography 3720 - Remote Sensing
- Geography 3740 - Geographical Information Systems
- Geography 4725 - Advanced Remote Sensing
- Geography 4740 - Advanced Geographical Information Systems

Two of:
- Environmental Science 2000 - Fundamentals of Environmental Science
- Geography 2300 - Weather and Climate

One of:
- Geography 3235 - Quantitative Models for Geographic Analysis
- Geography 3700 - Cartography
- Geography 3710 - Field Techniques in the Earth Sciences
- Geography 3750 - GIS Applications in Human Geography

One of:
- Geography 4400 - Hydrology II
- Geography 4415 - Integrated Watershed Management
- Geography 4700 - Advanced Computer Mapping
- Geography 4710 - Remote Sensing Field Techniques
- Geography 4730 - Spatial Statistics
- Geography 4750 - Glacial Processes, Measurements, and Models
- Geography 4751 - Project in Spatial Modelling
- Geography 4753 - Seminar in Remote Sensing

One additional course (3.0 credit hours) in Geography, Geology or Archaeology at the 3000/4000 level, with a Science designation

One additional course (3.0 credit hours) in Geography, Geology or Archaeology at the 4000 level, with a Science designation

Three courses (9.0 credit hours) from List I: Fine Arts and Humanities

One course (3.0 credit hours) from List II: Social Sciences

One course (3.0 credit hours) from List II: Social Sciences

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

Notes:
To determine if a given course has a Fine Arts and Humanities, Social Science, or Science designation, see List I: Fine Arts and Humanities Courses, List II: Social Science Courses, and List III: Science Courses (see Part 4 - Academic Regulations, Section 10.b., p. 83).

Students may not take for credit courses that have close equivalents in their diploma program. Students should consult the Program Coordinator for Geography (Geographical Information Science Concentration) concerning possible adjustments to the above program requirements. Excluded courses include the following: Geography 1000 and Geography 2735.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/geog_gs_bsc_pd for a suggested sequencing plan for the Geography major, with a Concentration in GIS, in the Post-Diploma B.Sc. program.

Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science
Number of courses required for program: 20

(Independent Study - Optional; may be counted in required courses for program)

23. PRE-NURSING PATHWAY
The Faculty of Health Sciences and the Faculty of Arts and Science collaborate to offer a Pre-Nursing Pathway. Aimed at B.N. applicants who did not make the cut-off for admission, the program is designed to provide students with an opportunity to increase their grades for possible admission to the Bachelor of Nursing program the following year at the same time as completing requirements for that program.

The admission policies and procedures set out in Part 1 - Admissions of this Calendar apply. See Part 1 - Admission - Section 3a.1. (p. 28) for general admission requirements.

Courses offered as part of the Pre-Nursing Pathway may include:
- Chemistry 0500 - Introduction to Modern Chemistry
- Health Sciences 1101 - Personal Health and Wellness
- Health Sciences 1160/Kinesiology 1160 - Human Anatomy and Physiology I
- Health Sciences 1161/Kinesiology 1161 - Human Anatomy and Physiology II
- Health Sciences 1170 - Human Development Across the Lifespan
- Health Sciences 2400 - Medical Microbiology
- Mathematics 0500 - Essential Mathematics
- Philosophy 1000 - Introduction to Philosophy
- Psychology 1000 - Basic Concepts of Psychology
- Sociology 1000 - Introduction to Sociology
- Writing 1000 - Introduction to Academic Writing

Refer to www.uleth.ca/healthsciences/substitutions for the list of courses which may be substituted in the Bachelor of Nursing program.

Note: Students should see a Student Program Advisor in the Faculty of Health Sciences for program planning prior to course registration.

24. PRE-PROFESSIONAL TRANSFER PROGRAMS
Students at the University of Lethbridge may prepare themselves to apply for admission to a number of professional programs offered at other institutions. Admission to these programs is by quota and is competitive.

Through arrangements between the University of Lethbridge and professional Faculties at other universities, transfer programs have been established for the professional programs listed below. Students should be aware that programs offered by other institutions are subject to change or cancellation without notice. The University of Lethbridge endeavours to provide students with complete, timely and accurate information but cannot guarantee the offerings of other institutions. At the time of Calendar publication, the information listed below was correct.
Some professional schools make specific course recommendations for students preparing to apply for admission. However, they reserve the right to admit students who have not followed these recommendations, but have chosen to study other disciplines. The programs suggested here are intended to give students priority access to courses satisfying the programs recommended by the professional schools. Students may choose alternative routes but do so at their own risk. Please refer to the Program Planning Guide Enclosures for Pre-Professional Transfer programs for more specific information.

Students are advised that ‘D’ grades are not transferable. As well, students may experience difficulties in transferring courses for which grades are not assigned; for example, courses for which Credit/Non-Credit or Pass/Fail appear on the transcript generally do not transfer.

Students who plan to apply to professional programs at other universities not listed below must have courses approved by the professional Faculty at the institution to which they intend to transfer. The University of Lethbridge cannot guarantee program requirements for such programs.

Students with an academic objective of Engineering select the Pre-Professional Transfer Program in Engineering (Engineering Transfer Program). Students with an academic objective of Dentistry, Journalism, Law, Medicine, Social Work and Veterinary Medicine select a University of Lethbridge degree program (either B.A. or B.Sc.) with an appropriate major. Note that Agricultural Biotechnology, Biochemistry, Biological Sciences, Chemistry, and Neuroscience are fields of study in their own right but may also prepare students for application to professional programs of Dentistry, Medicine and Veterinary Medicine.

### Part 12 - Social Work

For information about the B.A. or B.Sc. After Completion of a Professional Degree, see Section 21, p. 141.

**a. Dentistry**

Students with an academic objective of Dentistry are admitted to the B.Sc. program with a major in Agricultural Biotechnology, Biochemistry, Biological Sciences, Chemistry, or Neuroscience. Students are referred to Sections 14 and 16 for information on the University of Lethbridge general degree and major requirements.

Minimum of 20 courses at the University of Lethbridge

University of Transfer: Alberta

University of Lethbridge general degree and major requirements.

**b. Pre-Professional Transfer Program in Engineering (Engineering Transfer Program (Alberta))**

Students with an academic objective of Engineering must apply to the Pre-Professional Transfer Program in Engineering (Engineering Transfer Program).

12 courses at the University of Lethbridge

University of Transfer: Alberta

**Required courses:**

Chemistry 1000 - General Chemistry I
Chemistry 2000 - General Chemistry II
Computer Science 1620 - Fundamentals of Programming I
Engineering 1100 - The Engineering Profession I
Engineering 2000 - Engineering Statics
Engineering 2060 - Engineering Mechanics
Engineering 2100 - The Engineering Profession II
Mathematics 1410 - Elementary Linear Algebra
Mathematics 1560 - Calculus I
Mathematics 2560 - Calculus II
Physics 2130 - Waves, Optics and Sound

**One of:**

Anthropology 1000 - The Anthropological Perspective
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
English 1900 - Introduction to Language and Literature
History 1000 - Western Civilization
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
Philosophy 1000 - Introduction to Philosophy
Political Science 1000 - Introduction to Political Science
Psychology 1000 - Basic Concepts of Psychology
Sociology 1000 - Introduction to Sociology

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The final two years of the Bachelor of Social Work program are offered at the University of Lethbridge by the University of Calgary Faculty of Social Work, Lethbridge Division. See Part 12 - Social Work in this Calendar.
A minimum GPA of 2.50 is required for admission into the second year of Engineering at the University of Alberta. Students presenting a GPA lower than 2.50 may be offered admission based on available seats. Students are expected to complete the required 12 courses in two successive semesters.

For detailed information about the Engineering program at the University of Alberta, and planning the University of Lethbridge program in order to meet those requirements, students are directed to the Program Planning Enclosure for Engineering (Alberta).

c. Journalism

Students with an academic objective of Journalism are generally admitted to a B.A. program at the University of Lethbridge with a major of the student's choice. Majors in Economics, English, History, Political Science or Sociology may be of particular interest. Students are referred to Sections 13 and 16 respectively for information on the University of Lethbridge general degree and major requirements.

Minimum of 20 courses at the University of Lethbridge University of Transfer: Regina

Among the courses completed for the B.A. degree, students should ensure that they have the following:

Required courses:
- English 1900 - Introduction to Language and Literature
  - Political Science 2210 - Canadian Politics and Government
  - Economics 1010 - Introduction to Microeconomics
  - Economics 1012 - Introduction to Macroeconomics

One of:
- Mathematics 1510 - Calculus for Management and Social Sciences
- Mathematics 1560 - Calculus I

One of:
- Biology 1010 - Cellular Basis of Life
- Biology 1020 - Diversity of Life
- Chemistry 1000 - General Chemistry I
- *Geology 2060 - Physical Geology
- Physics 1000 - Introduction to Physics I
- Physics 1050 - Introduction to Biophysics

Additional English course
Additional language course

* Has prerequisite.

The remaining courses are to be chosen from the Faculty of Arts and Science course offerings and should be in accordance with the General Liberal Education Requirement.

For detailed information about the Journalism program at the University of Regina, and planning the University of Lethbridge degree in order to meet those requirements, students are directed to the Program Planning Guide for the B.A. with an appropriate major, and the Journalism Enclosure.

d. Law (Alberta)

Students with an academic objective of Law are generally admitted to a B.A. program at the University of Lethbridge with a major of the student's choice. Students are referred to Sections 13 and 16 respectively for information on the University of Lethbridge general degree and major requirements.

30 courses at the University of Lethbridge University of Transfer: Alberta

To be considered for admission, prospective applicants must have an undergraduate degree or have completed at least 30 semester courses. In exceptional circumstances, students may apply to the Faculty of Law after completion of 20 courses.

The Faculty of Law, University of Alberta, does not require any specific courses or identify any particular discipline as a required area of study in preparation for Law School.

The University of Lethbridge recommends that a student should possess knowledge from such disciplines as Economics, History, Philosophy, and Political Science. While a pre-Law background in the pure sciences should not be seen as a disadvantage, the oral, literary and analytical skills developed in the humanities and social sciences provide an excellent foundation for the study of law.

Students are directed to the Program Planning Guide for the B.A. with the appropriate major, with the Law Enclosure (Alberta).

e. Law (Calgary)

Students with an academic objective of Law are generally admitted to a B.A. program at the University of Lethbridge with a major of the student's choice. Students are referred to Sections 13 and 16 respectively for information on the University of Lethbridge general degree and major requirements.

30 courses at the University of Lethbridge University of Transfer: Calgary
Although students may apply after completion of 20 courses, most students are admitted after completion of 30 courses or an undergraduate degree.

There are no formal pre-Law requirements. The Faculty of Law at the University of Calgary recognizes that students may benefit from a diverse educational background and seeks, therefore, to attract applicants from business, humanities, pure science and social science undergraduate courses which develop analytical and reasoning skills. Courses which stress the use of the English language are advantageous in the preparation for a career in Law. The courses which best fit this description are found in the humanities and social sciences.

Students are directed to the Program Planning Guide for the B.A. with the appropriate major, with the Law Enclosure (Calgary).

f. Medicine (Alberta)

Students with an academic objective of Medicine (Alberta) are admitted to the B.Sc. program with a major in Agricultural Biotechnology, Biochemistry, Biological Sciences, Chemistry, or Neuroscience. Students are referred to Sections 14 and 16 for information on the University of Lethbridge general degree and major requirements.

Minimum of 20 courses at the University of Lethbridge
University of Transfer: Alberta

Although students may apply after completion of 20 courses, most students are admitted after completion of an undergraduate degree.

All students considering Medicine at the University of Alberta must include the following:

6.0 credit hours in each of:
- Biology
- English
- General Chemistry
- Organic Chemistry
- Physics

3.0 credit hours in each of:
- Biochemistry
- Statistics

For detailed information about the Medicine program at the University of Alberta, and planning the University of Lethbridge degree in order to meet those requirements, students are directed to a Program Planning Guide with the appropriate major, with the Medicine (Alberta) Enclosure.

g. Medicine (Calgary)

Students with an academic objective of Medicine (Calgary) are generally admitted to a B.Sc. program at the University of Lethbridge with a major of the student’s choice. Majors in Agricultural Biotechnology, Biochemistry, Biological Sciences, Chemistry, and Neuroscience are of particular interest, although students from a wide variety of majors are admitted to this program. Admission is not restricted to students who have completed a B.Sc. Students are referred to Sections 14 and 16 respectively for information on the University of Lethbridge general degree and major requirements.

Minimum of 20 courses at the University of Lethbridge
University of Transfer: Calgary

Most successful applicants to the University of Calgary program will have completed a baccalaureate degree before admission. However, to be considered for admission, prospective applicants must have completed a minimum of two full years of university courses at the time of application.

No degree is preferred and no specific courses are required for application or acceptance to the MD program at the University of Calgary. The admissions committee recommends that applicants consider taking as many of the courses listed below as their schedules allow, as the content of these courses will be helpful when writing the MCAT and during the MD program. Whether or not an applicant has taken these courses at the time of application will not be taken into consideration in scoring the academic record.

Suggested courses:
- Biology
- Organic and Inorganic Chemistry
- Physics
- English
- Biochemistry
- Physiology
- Statistics or Calculus
- Psychology, Sociology, or Anthropology

Completion of the recommended courses does not guarantee admission.

For detailed information about the Medicine program at the University of Calgary and planning the University of Lethbridge degree in order to meet those requirements, students are directed to a Program Planning Guide with the major of their choice, with the Medicine (Calgary) Enclosure.

h. Social Work

Students with an academic objective of Social Work are generally admitted to a B.A. program at the University of Lethbridge with a major of the student’s choice. Majors in Economics, Political Science, Psychology or Sociology may be of particular interest. Students are referred to Sections 13 and 16 respectively for information on the University of Lethbridge general degree and major requirements.

Minimum of 19 courses at the University of Lethbridge, plus one specific prerequisite University of Calgary course (see below)
University of Transfer: Calgary

The Bachelor of Social Work is offered through the University of Calgary and may be taken at one of the three divisions: University of Calgary campus, University of Lethbridge campus or University of Alberta campus.

The nature of the Social Work profession is such that a student should possess a strong background in the Social Sciences before application to the Faculty. The University of Lethbridge offers courses which prepare a student for application to the University of Calgary, Faculty of Social Work.

Prospective applicants must enrol in Social Work 201 (Introduction to Social Welfare), which is offered on the University of Lethbridge campus. Students must first obtain a letter of permission granting Visiting Student Authorization to the University of Calgary from the Arts and Science Student Program Services Office as well as provide an official transcript of all post-secondary education.

For further details, see Part 12 - Social Work in this Calendar.

Students are directed to the Program Planning Guide for the B.A. with the appropriate major, with the Social Work Enclosure.
i. **Veterinary Medicine**

Students with an academic objective of Veterinary Medicine are admitted to the B.Sc. program with a major in Agricultural Biotechnology, Biochemistry, Biological Sciences, Chemistry, or Neuroscience. Students are referred to Sections 14 and 16 for information on the University of Lethbridge general degree and major requirements.

Minimum of 20 courses at the University of Lethbridge

**University of Transfer:** Western College of Veterinary Medicine, University of Saskatchewan

The minimum admission requirements for Veterinary Medicine are as follows:

- 6.0 credit hours in each of:
  - Biology
  - Chemistry
  - English
  - Mathematics or Statistics

- **plus**

- 3.0 credit hours in each of:
  - Biochemistry
  - Genetics
  - Introductory Microbiology
  - Organic Chemistry
  - Physics

- **plus**

- 21.0 credit hours of electives

For detailed information about the Veterinary Medicine program at the University of Saskatchewan (Western College of Veterinary Medicine), and planning the University of Lethbridge degree in order to meet those requirements, students are directed to the Program Planning Guide for the B.Sc. with the appropriate major, with the Veterinary Medicine Enclosure.
The Faculty of Education incorporates in its programs the overall philosophy that underscores the University's commitment to liberal education. Its programs reflect the emphasis on individualization, flexibility, innovation and experimentation.

1. GUIDING PRINCIPLES OF TEACHER EDUCATION

Consistent with the philosophy of the University of Lethbridge, the Faculty of Education:

• is committed to the concept of a liberal education and the development of learners who engage in the life-long pursuit of knowledge;
• promotes the concept of a teaching profession committed to understanding, working with, and relating positively to children and youth;
• is committed to preparing learners and teachers for the present world and for a better world in the future;
• promotes development of attributes and skills necessary for effective communication;
• promotes in students an understanding of how knowledge is generated, evaluated and revised, and an ability to reflect critically upon the nature of knowledge, its transmission, and its interpretation;
• facilitates the integration of knowledge from general education, disciplinary education, professional education and field experiences;
• promotes in students the development of intellectual and affective strategies for making pedagogical decisions;
• promotes in students an understanding of the social, practical, professional and institutional contexts of teaching and learning, and the ability to analyze these contexts in making educational decisions;
• promotes an understanding of the personal nature of teaching and recognizes that the development of professional knowledge is a personal and a professional responsibility;
• promotes the integration of theory and practice in university courses and in schools, through experience, study, and reflection;
• seeks to support and foster in students a spirit of inquiry, intellectual advancement, humane values, environmental conscience, aesthetic sensitivity, and a sense of physical and mental well-being;
• fosters the ability to establish interpersonal relationships and sensitivity to others' interests and feelings, and to encourage students to apply these qualities in fulfilling their responsibility in a global society;
• fosters a close collegial and reciprocal relationship with other members of the teaching profession; and,
supports Faculty members who exemplify the foregoing by developing and maintaining expertise in their disciplines and fields of study, in their teaching, through their research and scholarly activity, and in their interpersonal interactions.

2. EDUCATION PROGRAMS

The Faculty of Education offers two programs which lead to Alberta Teacher Certification as well as five other programs designed to support in-service or pre-service teacher development.

a. Programs Leading to Alberta Teacher Certification

Candidates apply and are recommended for certification by the Faculty of Education to Alberta Learning. Only Alberta Learning is empowered to grant Alberta Teaching Certificates. Based on the recommendation of the Faculty of Education, Alberta Learning grants the Interim Professional Certificate to individuals who are Canadian citizens or Permanent Residents.

Recommendations are forwarded upon completion of the Combined Degrees Teacher Education program or the Bachelor of Education after an Approved Degree program. Candidates are evaluated on the basis of all data relating to their readiness to assume the responsibilities of a professional teacher as defined in the Quality Teaching Document.

Students are alerted to the following certification requirement.

All persons applying for certification as a teacher in Alberta will be subject to the following restriction on eligibility:

Except where the Minister of Learning decides otherwise, the Director, Teacher Certification and Development Branch, shall refuse to issue, re-issue, or extend an interim professional certificate to:

a. a person who has been convicted of an indictable offence in Canada or an equivalent conviction in a jurisdiction outside Canada; or

b. a person who the Director has reason to believe should not be issued a certificate.

For additional information please contact the Director, Teacher Certification and Development Branch of Alberta Learning at 780-427-2045.

1. Basic Teacher Education

This program leads to one of the following combined degrees:

- Bachelor of Arts and Bachelor of Education
- Bachelor of Fine Arts - Art and Bachelor of Education
- Bachelor of Fine Arts - Dramatic Arts and Bachelor of Education
- Bachelor of Fine Arts - New Media and Bachelor of Education
- Bachelor of Management and Bachelor of Education
- Post-Diploma Bachelor of Fine Arts - Dramatic Arts and Bachelor of Education
- Bachelor of Music and Bachelor of Education
- Post-Diploma Bachelor of Music and Bachelor of Education
- Bachelor of Science and Bachelor of Education

These programs are described in detail in Part 13 - Combined Degrees

2. Bachelor of Education After an Approved Degree

This program leads to a Bachelor of Education and Alberta Teacher Certification for those students already holding an approved degree (see Section 4a.2. Admission to the After Degree Program, p. 153).

b. Other Education Programs

1. Bachelor of Education After Teacher Training

Individualized programs are arranged for candidates who hold an undergraduate degree, who have completed a minimum of one year of teacher training in an approved institution, and who already hold teacher certification. Students should consult with the Assistant Dean, Student Program Services in the Faculty of Education.

Students who have completed a minimum of one year of teacher training and who hold teacher certification but who do not hold an undergraduate degree must be admitted to and must complete the requirements of a Combined Degrees program. The Bachelor of Education component of the Combined Degrees program will be individually designed for each student to meet residency and degree requirements. Students should consult with the Assistant Dean, Student Program Services in the Faculty of Education.

2. Pre- B.Ed. After an Approved Degree

Students who intend to pursue a Bachelor of Education after an approved degree, but who do not meet requirements for direct admission to the B.Ed. program, may apply to the Pre-B.Ed. (After Degree) program in the Faculty of Arts and Science. A limited number of students may be admitted to this program in a fall or spring semester and may then register for courses in three consecutive semesters following the offer of admission. After three semesters, students intending to take further courses must apply for admission to the B.Ed. program or to another program offered at the University of Lethbridge. Students are not guaranteed admission to the B.Ed. program, or any other program, at the end of three semesters but must compete with other applicants.

Students must meet the following minimum qualifications for admission to the Pre-B.Ed. after an Approved Degree program:

a. A completed undergraduate degree, including at least four courses in a declared single discipline major, or at least eight courses in a declared general major. Students must select a major from among those available to students in the B.Ed. after an approved degree program (see Section 5b.1. Teaching Majors, p. 156).

b. A minimum cumulative grade point average of 2.50 out of 4.00 calculated on all University of Lethbridge 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.
3. Diploma in Education
The Faculty of Education offers diploma programs in the following areas for certified practising educators holding a Bachelor of Education degree:
• Diploma Program in Special/Inclusive Education
• Student Initiated Diploma Program
These programs are described in detail in Section 9. Diploma Programs, p. 164.

4. Master of Education
A 12-course M.Ed. program for degree holders with educational experience (see the University of Lethbridge 2015/2016 Graduate Studies Calendar).

5. Master of Education (Counselling Psychology)
A 12- or 14-course M.Ed. program for degree holders with educational or related experience (see the University of Lethbridge 2015/2016 Graduate Studies Calendar).

3. ADVISING
It is essential for new and returning students to seek advice concerning their academic goals, programs, and standing as early as possible.
Academic advising is coordinated by the Assistant Dean, Student Program Services in the Faculty of Education. Faculty members, who serve as academic advisors for each major, also inform students about preparation for teaching in specific school subjects. Advisors are also identified to assist students in planning specialized programs.
Academic advising in the Faculty of Education for graduate programs is coordinated by the Assistant Dean, Graduate Studies and Research.
Academic advice may be obtained at any time during the year, but it is recommended that new students consult advisors during the three weeks prior to registration.
Advice and information from the Assistant Dean, Student Program Services in the Faculty of Education may be obtained for the following:
• all aspects of program planning,
• academic regulations and degree requirements,
• grading system and appeals,
• employment opportunities and job placement in education, and
• teacher certification.
Advice and information from Education Faculty advisors and from appropriate Arts and Science, Fine Arts, or Management advisors should be obtained for the following:
• selection of courses for a major,
• future scheduling of courses,
• prerequisites and recommended backgrounds, and
• availability of Independent Studies and Study Tours.

4. ADMISSION TO BACHELOR OF EDUCATION PROGRAMS
Based on the Faculty's quota system, normally 216 students are 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 UofL 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.
Combined Degrees and After Degree students are admitted on the same criteria.

a. Regular Admission
1. Admission to Combined Degrees Program
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. Students are not officially in the program until they have been admitted to both the Faculty of Education and to the Faculty governing the degree combined with the B.Ed.
For a complete description of admission requirements in each of the following programs consult the corresponding sections of Part 13 - Combined Degrees:
• Bachelor of Arts/Bachelor of Education, p. 230
• Bachelor of Science/Bachelor of Education, p. 230
• Bachelor of Management/Bachelor of Education, p. 262
• Bachelor of Fine Arts - Art/Bachelor of Education, p. 251
• Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education, p. 254
• Bachelor of Fine Arts - New Media/Bachelor of Education, p. 256
• Bachelor of Music/Bachelor of Education, p. 258
• Bachelor of Music/Bachelor of Education, p. 281
• Post-Diploma Bachelor of Fine Arts - Art/Bachelor of Education, p. 281
• Post-Diploma Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education, p. 281
• Post-Diploma Bachelor of Music/Bachelor of Education, p. 281
• Post-Diploma Bachelor of Management/ Bachelor of Education, p. 284
For information regarding readmission after withdrawal, see Section 6.b.11. Readmission After Withdrawal, p. 158.

2. Admission to the After Degree Program
Students applying to an After Degree program must meet the following minimum qualifications for admission to the Faculty of Education:

a. Completion of a recognized baccalaureate degree which includes a major in a 'school' subject. Students are expected to present in their major the same number of courses as students in the Combined Degrees program (see Part 13 - Combined Degrees).

b. A minimum cumulative grade point average of 2.50 out of 4.00 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.
c. A minimum cumulative grade point average of 2.50 out of 4.00 on all graded courses comprising the major.

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 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.

b. Special Case Admission

For purposes of admission, the Faculty of Education calculates the admission grade point average on all university-level courses taken in the semesters containing the last 20 courses (60.0 credit hours). Students who have a good academic record but who, for some reason, had a period of time within those semesters when their performance was significantly lower, may apply for special case admission (up to four such students may be admitted each year). Normally, the semesters containing the last eight courses may not be included in the period of the special case.

Students applying for Special Case admission must satisfy the following:

- have applied for admission to the Faculty of Education;
- meet minimum criteria for admission to the Faculty of Education;
- demonstrate a shift in academic performance;
- provide documentation of extenuating circumstances;
- have completed at least 20 courses (60.0 credit hours) outside of the period of the special case;
- possess a cumulative grade point average comparable to those admitted in the same subject area that year. The GPA is calculated based on all university-level courses taken in the semesters containing the last 20 courses (60.0 credit hours) outside of the period of the special case.

Students must apply in writing to the Assistant Dean, Student Program Services in the Faculty of Education prior to the May 1 application deadline for such consideration.

c. Special Admission Procedures for Students of Aboriginal Descent

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent:

1. Students who meet all minimum admission requirements in any major will be admitted to the Faculty. Students who wish to gain admission to the Faculty on the basis of their Aboriginal heritage will follow all normal application procedures and, in addition, must inform Student Program Services in the Faculty of Education of their intent in writing and provide evidence of Aboriginal descent, prior to the May 1 admission deadline.

2. Students of Aboriginal descent who have a CGPA of 2.00 or greater, may be considered for admission to the Faculty of Education. All other minimum admission requirements must be met. Students will be required to demonstrate that they possess other skills, talents, or life experiences that enhance their ability to succeed in teaching. This may include, but is not limited to, any one of the following:

- experience working with children;
- proficiency in a First Nations language;
- expertise in First Nations cultural events;
- leadership experiences in the community;
- appropriate work experience; or
- completion of a college diploma program in an area relevant to teaching.
Admission decisions are to be based on submission of a résumé, at least one letter of recommendation, and an interview with the Undergraduate Student Program Committee. The decision of the Committee is final. Students who wish to gain admission through this route must follow all normal application procedures and, in addition, must inform Student Program Services in the Faculty of Education of their intent in writing prior to the May 1 admission deadline. All relevant supporting documents must be received by the document deadline of June 1.

5. REQUIREMENTS FOR BACHELOR OF EDUCATION PROGRAMS

Generally, the Combined Degrees programs are comprised of three years of study in the Faculties of Arts & Science, Fine Arts, or Management together with two years of study in the Faculty of Education. The B.Ed. after an Approved Degree program is generally comprised of two years of study in the Faculty of Education.

a. Degrees Combined with the Bachelor of Education

1. Teaching Major
   Each student must enter the Faculty of Education under one of the 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, Spanish)
   - Music Education
   - Native Education
   - Physical Education
   - Science Education
   - Social Studies Education

   * Major in German/Modern Languages Education: German has been suspended (see p. 238)
   ** Major in French/German/Modern Languages Education: French/German has been suspended (see p. 239)

   For a full description of these majors and sample programs, please consult Part 13 - Combined Degrees, p. 233.

   There are other specialized majors available within the Combined Degrees programs. Please consult the appropriate sections in Part 13 - Combined Degrees as indicated below for a full description and related sample programs.

   Art Education
   - B.F.A. / Art/B.Ed., p. 251
   - Post-Diploma B.F.A., p. 281

   Career and Technology Studies: Business Focus
   - B.Mgt./B.Ed., p. 262
   - Post-Diploma B.Mgt./B.Ed.*, p. 284

   Career and Technology Studies: New Media Focus
   - B.F.A. / New Media/B.Ed., p. 256

   Drama Education
   - Post-Diploma B.F.A., p. 281

   Music Education
   - B.Mus./B.Ed., p. 258
   - Post-Diploma B.Mus./B.Ed.*, p. 281

   * After a two- or three-year diploma

2. Minors

   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 Section 7. Education Minors (p. 159) for information on Education Minor Requirements. Native Education Majors should refer to Section 5.a.3. Minors for Native Education Majors below.

   Note: For all majors, Education students may not include, in any minor, any of the courses (including cognates) which are included in the major.

3. Minors for Native Education Majors

   Native Education majors complete Professional Semester II in the area of their minor; therefore, they must have a declared minor in one of the following areas:
   - Art Education
   - Career and Technology Studies (CTS): Business, Administration, Finance & Information Technology (BIT)
   - Drama Education
   - English Language Arts Education
   - Mathematics Education
   - Modern Languages Education (French, German, or Spanish)
   - Music Education
   - Physical Education
   - Science Education
   - Social Studies Education

   * Minor in German has been suspended (see p. 163)

   The minor for Native Education majors includes seven non-Education courses in a school subject and an appropriate Education methods course.

   The seven non-Education courses includes five courses as defined in Section 7. Education Minors (p. 159), as well as two further courses drawn from any discipline within the minor.

   Note: For all majors, Education students may not include, in any minor, any of the courses (including cognates) which are included in the major.

4. Education Specializations

   Students may 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. Please refer to Section 8. Education Specializations (p. 163) for information on Education Specialization Requirements.

b. Bachelor of Education After an Approved Degree

   At the time of admission, the nature of the applicant's previous degree or degrees are examined. A program is
planned and approved by the Assistant Dean, Student Program Services in the Faculty of Education. If the previous degree or degrees contain the necessary components, including a completed teaching major, both certification and B.Ed. requirements may be met upon completion of the minimum additional 20 courses, including the following:

- Education 2500* - Practicum I - Orientation to Teaching
- Professional Semester I
- Professional Semester II
- Professional Semester III
- Three Education* Electives
- One Education Foundation course taken from the following list, or one appropriate approved Independent Study:
  - 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)

* Students who have received a waiver for Education 2500 will complete four Education Electives.

1. Teaching Majors

Each student is required to have an Education major. There are 12 Education majors accepted in the B.Ed. After Degree program:
- Art Education
- Career and Technology Studies (CTS): Business Focus
- Career and Technology Studies (CTS): New Media Focus
- 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
- Social Studies Education

Normally, students in the B.Ed. After Degree program are expected to present in their major the same number of courses as students in the Combined Degrees Program (see Part 13 - Combined Degrees). Any courses required to complete the major are in addition to the minimum 20 Education courses comprising the After Degree program.

**Note:** Modern Language Education Majors in French, French/German, French/Spanish, and German must have in their first degree a study experience similar to French 2250, Spanish 2250, or German 2250, or equivalent, prior to graduation with an After-Degree B.Ed.

2. Minors

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 Section 7. Education Minors (p. 159) for information on Education Minor Requirements. Native Education Majors should refer to Section 5.b.3. Minors for Native Education Majors below.

**Note:** For all majors, Education students may not include, in any minor, any of the courses (including cognates) which are included in the major.

3. Minors for Native Education Majors

Native Education majors complete Professional Semester II in the area of their minor; therefore, they must have a declared minor in one of the following areas:
- Art Education
- Career and Technology Studies (CTS): Business, Administration, Finance & Information Technology (BIT)
- Drama Education
- English Language Arts Education
- Mathematics Education
- Modern Languages Education (French, *German, or Spanish)
- Music Education
- Physical Education
- Science Education
- Social Studies Education

* A minor in German has been suspended (see p. 163).

The minor for Native Education majors includes seven non-Education courses in a school subject and an appropriate Education methods course. The seven non-Education courses include five courses as defined in Section 7. Education Minors (p. 159) as well as two further courses drawn from any discipline within the minor.

**Note:** For all majors, Education students may not include, in any minor, any of the courses (including cognates) which are included in the major.

4. Education Specializations

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. Please refer to Section 8. Education Specializations (p. 163) for information on Education Specialization Requirements.

5. Sample Program

Please refer to page 166.
6. POLICIES AND REGULATIONS

a. Standards of Professional Conduct
As a Faculty within the University of Lethbridge, the Faculty of Education is committed to maintaining its students' freedom of thought, beliefs, opinions and expressions. As a professional Faculty, the Faculty of Education is committed to assisting students to become professionals. The Faculty, then, has the dual responsibility of fostering the academic freedom of students within the context of professional standards of conduct. The standards describe professional characteristics and behaviours that students are expected to develop and demonstrate during all field and on-campus components within the teacher education program. Appropriate demonstration of these professional standards will be judged by on-campus instructors and school personnel.

1. The student acts in a manner that respects the dignity and rights of all persons without prejudice as to race, religious beliefs, colour, gender, sexual orientation, physical characteristics, age, ancestry or place of origin.

2. The student treats pupils, peers, school personnel and faculty with dignity and respect and is considerate of their circumstances.

3. The student acts in a responsible manner which includes being punctual, dependable, trustworthy, consistent and reliable.

4. Recognizing that attendance in practicum courses and professional semesters is a professional responsibility, students apprise appropriate personnel at the University and/or school in advance of unavoidable absences.

5. The student demonstrates empathy for others by showing concern for and having an understanding of others' feelings and/or ideas.

6. The student responds to feedback by listening to, evaluating, and responding to suggestions.

7. The student maintains positive interpersonal relationships with peers, faculty, school personnel and pupils by contributing, co-operating, participating and working with others in a flexible and adaptable way.

8. The student shows enthusiasm and initiative by being actively involved as a participant while encouraging the involvement and participation of others.

9. The student shows maturity and judgment.

10. The student demonstrates a commitment to teaching through interest in learning about teaching, consulting, questioning, reading and discussing.

11. The student criticizes (verbally or in writing) the professional competence or professional reputation of others only in confidence to proper officials and only after the other person has been informed of the criticism.

12. The student respects the confidentiality of information about pupils, peers, school personnel or faculty received in confidence or in the course of professional duties.

13. The student acts in a manner which maintains the honour and dignity of the profession and the University of Lethbridge.

14. The student does not make representations on behalf of the Faculty of Education, the University of Lethbridge, the school, or the profession.

b. Academic Regulations and Information

1. Academic Standards
Upon completion of the program and in order to graduate, students must present a cumulative GPA of 2.50 in their teaching major and a cumulative GPA of 2.50 or higher in all courses taken after admission to the Faculty of Education. In order to have a teaching minor endorsed on a transcript, the student must also present a GPA of 2.50 or higher on all non-Education courses comprising the minor and, additionally, a minimum B- in the appropriate Education methods course.

2. Institutional Honours
Students who graduate with a Faculty GPA of 3.60 to 3.79 (calculated on all courses taken after admission to the Faculty of Education), who have demonstrated excellence in student teaching practica and the internship, and who present an admission GPA of 3.00 or higher are eligible to receive the Bachelor of Education degree 'With Distinction.' Students who meet the same criteria but present a Faculty GPA of 3.60 or higher are eligible to receive the Bachelor of Education degree 'With Great Distinction.'

3. Education Courses Taken Prior to Admission
With the exception of transfer students (who may bring in a maximum of five Education courses), Education courses other than Education 2500 taken prior to Admission may not be counted toward the Bachelor of Education requirements.

   Note: Students intending to major in Music Education may complete courses designated Education 387X prior to admission with permission of the instructor.

4. Education 2500 Prerequisite
Students who have completed a minimum of 30.0 credit hours with a GPA of 2.50 or higher, calculated on all courses, including all transferable courses, may register directly in Education 2500. If available spaces are not filled, additional students will be enrolled on the basis of the proximity of their GPA to 2.50 and the number of courses remaining in their program (i.e., those with fewer remaining courses will be given preference). Such students will be added during the Add/Drop period upon application to Student Program Services in the Faculty of Education.

5. Visiting Student Status
Authorization is required from the Assistant Dean, Student Program Services in the Faculty of Education to study at other post-secondary institutions while enrolled in the Faculty of Education at the University of Lethbridge.
6. Registration Limits
Students may enrol in a maximum of six courses (18.0 credit hours) during a non-practicum semester (spring or fall). Students may not register in a sixth course while enrolled in Professional Semester I, Professional Semester II, or Professional Semester III except with special permission from the Assistant Dean, Student Program Services in the Faculty Education. Students may register in a maximum of three courses in Summer Session I, two courses in Summer Session II, and one course in Summer Session III.

7. Consecutive Professional Semesters
Only students who have completed a minimum of 25 course semesters (75.0 credit hours) at the time of admission may complete Professional Semester I and Professional Semester II in the same academic year.

8. Waiver of Practica
Students who have appropriate and successful Grade 1-12 Canadian classroom experience may have Education 2500 waived. Under exceptional circumstances students may have Professional Semester III waived. Students will be required to replace waived elements with Education Electives. Requests must be submitted to the Assistant Dean, Student Program Services in the Faculty of Education. Students who have received 'not recommended' status after completion of Education 2500 are ineligible for a waiver.

9. Withdrawal Deadline
A student may withdraw from any component of a professional semester any time after the add/drop period until 3/4 of the course/practicum is completed; however, a student withdrawing from a professional semester component is withdrawing from the Faculty and must successfully apply for readmission before resuming studies toward the Bachelor of Education.

10. Required Withdrawal
A student is required to withdraw from the Faculty of Education if the following occurs:
   • the grade point average falls below 2.50 in Professional Semester I or Professional Semester II;
   • the student fails any course, module, or practicum in any Professional Semester;
   • the student fails to meet the Standards of Professional Conduct. The student may be assigned a failing grade for the component where the Standards of Professional conduct were not met.

11. Readmission After Withdrawal
Students who withdraw or who are required to withdraw from the Faculty of Education must successfully apply for readmission by the appropriate deadline. Readmission is not guaranteed. Education courses completed after withdrawing and prior to readmission may not count toward the Bachelor of Education. Students are advised to consult with the Assistant Dean, Student Program Services as early as possible. Students who have been required to withdraw from an Education program at another post-secondary institution must receive a favourable recommendation in the U of L offering of Education 2500 - Orientation to Teaching - for admission consideration. Additionally, the student must consult with the Assistant Dean, Student Program Services, prior to the application deadline for the Faculty of Education.

c. Practicum Regulations and Information
The following policies will guide the assignment of students to schools:

1. Placement Policy
While on campus and during practica, students are expected to adhere to the standards of professional conduct set out by the Faculty of Education (Section 6a, p. 157). The Faculty of Education reserves the right to deny or terminate a placement in any practicum course, including Education 2500, to any student if the Dean or Designate has reasonable grounds:
   • the student has violated any part of the Faculty of Education’s standards of professional conduct;
   • the student is unable to carry out the classroom responsibilities of that practicum; or
   • the Dean or Designate believes denial or termination of a placement is necessary in order to protect the public interest.

   Students whose practicum placements have been denied or terminated will be informed of the reasons in writing.

2. General Policies
   a. All school placements within Zone 6 will be made by the Field Experience Office. Students must not contact schools with the intent of procuring an internship or student teaching placement.
   b. Professional Semester I and II placements will only be made within Zone 6 and Calgary area.
   c. Professional Semester III placements outside of Zone 6 are subject to the approval of the Assistant Dean, Field Experience and the Assistant Dean, Student Program Services in the Faculty Education.
   d. Students receiving a waiver of Education 2500 must complete Professional Semester III in Alberta.
   e. Students may complete only one practicum/internship with any one teacher associate or teacher mentor. Students will complete only one practicum/internship in any specific school.
   f. Students will not be placed in schools where family members are employed or where family members are themselves pupils.
   g. No student will be placed in a school from which she or he graduated.
   h. Placements in Professional Semesters I and II will differ by a minimum of three grade levels.
   i. Students who refuse a placement may be required to withdraw from the practicum and reapply for admission to resume their studies in a subsequent year.


j. Students who do not provide all relevant information at the time a placement is made may be required to withdraw from the practicum and reapply for admission to resume their studies in a subsequent year.

k. Students who provide false information at the time a placement is made may be required to withdraw from the practicum and reapply for admission to resume their studies in a subsequent year.

3. Location of Placements

The Faculty of Education collaborates with Education institutions throughout Zone 6 (which extends in Alberta from the B.C. border to the Saskatchewan border and from the Montana border up to locations immediately south of the city of Calgary) and Calgary area. Students entering the Faculty of Education should note that practicum placements include locations anywhere within Zone 6. Students must be prepared to travel. Some locations require relocation Monday to Friday.

Note: Acceptance of an offer of admission to the Faculty of Education indicates acceptance of a possible requirement to travel to or relocate to practicum placements within Zone 6.

4. Criminal Record Check (or equivalent).

Many school jurisdictions require criminal record checks from all individuals (including student teachers and interns) working with children and adolescents. Consequently, all students accepting an admission offer from the Faculty of Education must immediately make application for a criminal record check including a Vulnerable Sector Check. The student is responsible for the cost of obtaining such documentation. Criminal record checks are not submitted to the Faculty of Education, but must be available for the student to present on Practicum Orientation Day should the school or school jurisdiction require it. Students who are unable to present an acceptable criminal record check for any reason may be denied a placement by the cooperating school, the school jurisdiction, or the Assistant Dean, Field Experiences. The Faculty of Education does not guarantee an alternate placement. In the event a student cannot be placed, the student will be unable to complete the program and thus will be required to withdraw from both the practicum and the faculty.

5. Out of Zone and International Professional Semester III Placements.

Students may apply to the Assistant Dean, Field Experience to complete Professional Semester III outside of Zone 6. Further, it is possible for students to complete Professional Semester III in an international placement. Students must apply well in advance of the intended semester, and will be required to request statements of support from teacher associates and previous practicum supervisors. Only students with an outstanding record of professionalism and an outstanding record of classroom teaching in both Professional Semesters I and II will be granted Professional Semester III placements outside of Zone 6 (including international locations).

Some restrictions on out of zone and international placements do exist for students completing certain specializations. Students are encouraged to contact the Assistant Dean, Field Experiences for further information.

In order to have an international placement designated on the transcript, students must register in Education 4573: Special Focus Internship (Series): International Education. This internship has as a prerequisite (one of the following courses):

* Education 4310: Comparative Studies of Education in Developed and Third World Nations
* Education 4311: World Issues and Problems in Education
* Education 4783: Culturally Different Students

Education 4920: Study Tour

* These courses would also fulfill the Education Foundation requirement.

d. Special Study Arrangements

1. 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 in the Faculty of Education is administered through the Coordinator - Applied Studies, Faculty of Arts and Science (AH 154: 403-329-2000) in consultation with the Associate Dean, Faculty of Education.

2. Independent Study

Students may be permitted to earn credit by Independent Study, which is designated by the course number Education 4990. Independent Study may be undertaken only in areas not covered by courses offered in the Education curriculum. Independent Study proposals must be submitted to a Faculty member who agrees to serve as examiner for the proposed study. Formal registration occurs after approval by the Faculty member, Student Program Services, and the Dean or Associate Dean. A maximum of two Independent Studies may count toward requirements for the B.Ed. portion of the Basic Teacher Education programs (see Part 4, Section 2c, Exceeding Course Limits, p. 70). Students are advised to register in the semester in which the work will be completed.

3. Study Tours

Credit may be received for a maximum of two courses in Education 4920 - Study Tour. Study Tours must be approved in advance by the Assistant Dean, Student Program Services in the Faculty of Education for acceptance in the student's program.

7. EDUCATION MINORS

Students may elect to complete a minor in addition to a major. The minor must be a school subject, and must not be the same subject as the major.

There are 18 Education minors: Art Education, Blackfoot Language Education, Career and Technology Studies (CTS): Agriculture Focus, Career and Technology Studies (CTS): Business, Administration, Finance & Information Technology (BIT), Career and Technology Studies (CTS): Communication Focus, Career and Technology Studies (CTS): Community...
Health Focus, Career and Technology Studies (CTS):
Computer Technologies Focus, Career and Technology Studies
(CTS): Natural Resources Focus, Drama Education, English
Language Arts Education, Mathematics Education, Modern
Languages Education (French, *German or Spanish), Music
Education, Native Education, Physical Education, Religious
Studies Education, Science Education and Social Studies
Education.

*Minor in German has been suspended (see p. 163).
With the exception of the minor for Native Education majors,
minors include five non-Education courses and an appropriate
Education methods course, usually selected from the
Education 3700 series. The minor for Native Education majors
includes seven non-Education courses in a school subject and
an appropriate Education methods course.

Note: For Native Education majors, the additional two non-Education
courses required for completion of a minor must include two
electives in a school subject (refer to Section 5.a.3. Minors for
Native Education Majors, p. 156).

Students are eligible to receive an endorsement on their
official transcripts upon completion of a minor.

For all majors, Education students may not include, in any
minor, any of the courses (including cognates) which are
included in the major.

Students are urged to seek advice from Student Program
Services in the Faculty of Education regarding appropriate
course choice and an appropriate Education course.

a. Art Education

Required courses:
Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
Art History/Museum Studies 1000 - Introduction to Art
Two Art Studio Electives (6.0 credit hours)

b. Blackfoot Language Education

Where applicable, Blackfoot Language Education minors complete their Education 3700 series course with
Modern Languages Education minors.

Required courses:
Linguistics 2300 - Introduction to Linguistics I: Phonetics
and Phonology

Four of:
Blackfoot 1000 - Introductory Spoken Blackfoot
Blackfoot 2000 - Spoken Blackfoot II
Blackfoot 2210 - Structure of the Blackfoot
Language
Blackfoot 3210 - Blackfoot Morphology and Syntax
Blackfoot 4210 - Seminar in Blackfoot

1. Career and Technology Studies (CTS) Majors

Students may complete one to two Career and Technology Studies minors, which will be reflected on their transcript as:

Education 3700 - Applied Principles of Curriculum
and Instruction for Non-Majors (Series), CTS I
Education 3700 - Applied Principles of Curriculum
and Instruction for Non-Majors (Series), CTS II

Note: Students with a major in Career and Technology Studies
Business Focus may elect to complete a minor in Career
and Technology Studies providing the minor is not
Business, Administration, Finance & Information
Technology (BIT).

B.A./B.Ed. or B.Sc./B.Ed. students who choose to
complete a minor in Career and Technology Studies may
be required to complete courses from the Faculty of
Management. Although required for the minor, they do
not meet degree or major requirements. Therefore, any
Management courses are counted above the 50 courses
required to complete the degree.

1. Career and Technology Studies (CTS): Agricultural
Focus

The CTS: Agricultural Focus minor supports the
Alberta Education CTS Agriculture strand.

Required courses:
Five of:
Agricultural Studies 1000 - The Evolution of
Agriculture
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
** Biology 2000 - Principles of Genetics
** Biology 2200 - Principles of Ecology
** Biology 3400 - Principles of Microbiology
* Biology 3420 - Animal Physiology
** Biology 3460 - Plant Physiology
** Biology 3520 - Invertebrate Zoology
** Biology 3560 - Integrative Plant Biology
** Biology 3700 - Ecosystem and Community
Ecology
** Biology 4170 - Plant Biotechnology
** Biology 4200 - Techniques in Molecular Biology
** Biology 4800 - Biology of Parasitism
Economics 1010 - Introduction to
Microeconomics
** Economics 3010 - Intermediate
Microeconomic Theory
** Economics 3210 - Natural Resource
Economics
** Economics 3220 - Environmental Economics
** Economics 3300 - Agricultural Policy I
* Economics 4300 - Agricultural Policy II
Environmental Science 2000 - Fundamentals of
Environmental Science
Geography 1000 - Introduction to Physical
Geography
** Geography 2300 - Geomorphology
** Geography 2300 - Weather and Climate
Geography 2535 - Introduction to
Geographical Information Science
** Geography 3035 - Fluvial Geomorphology
** Geography 3080 - Soils
* Geography 3210 - Agricultural Geography
** Geography 3400 - Hydrology I
* Geography 3720 - Remote Sensing
* Geography 3740 - Geographical Information
Systems
** Geography 4065 - Irrigation Science
* Management 2020 - Marketing
** Management 3210 - Consumer Behaviour
** Management 3862 - E-commerce Management

* Has prerequisite
** Has prerequisite which may be used to complete the requirements of the minor
2. Career and Technology Studies (CTS): Business, Administration, Finance & Information Technology (BIT)

Required courses:
Management 1000 - Introduction to Management
Management 2100 - Introductory Accounting
Computer Science 1000 - Introduction to Computer Science

One of:
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Economics 2140 - Introduction to Financial Economics

One additional Management, Computer Science or Economics courses

3. Career and Technology Studies (CTS): Communication Focus

The CTS: Communication Focus minor supports the Alberta Education CTS Communication strand.

Required courses:
Five of:
Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
**Art 3006 - Print Media With a Press**
**Art 3007 - Advanced Print Media**
**Art 3026 - Photo-Arts I**
**Art 3027 - Photo-Arts II**
**Art 3028 - Photo-Arts III**
Art History/Museum Studies 1000 - Introduction to Art
Computer Science 1000 - Introduction to Computer Science
*Computer Science 3710 - Computer Graphics*
Drama 1000 - Introduction to Dramatic Arts
**Drama 2320 - Voice and Speech: Fundamentals**
Drama 2350 - Speech Communication
English 1900 - Introduction to Language and Literature
**English 2800 - Rhetoric**
**English 3800 - Creative Writing**
**English 4800 - Advanced Creative Writing**
Fine Arts 3850 - Topics in Fine Arts
Fine Arts 4850 - Topics in Fine Arts
*Management 2030 - Introduction to Organizational Behaviour
Management 3080 - Managerial Skill Development
**Management 3862 - E-commerce Management**
Music 2500 - Introduction to Music Technology

1. If the topic is applicable to the minor
* Has prerequisite
** Has prerequisite which may be used to complete the requirements of the minor

4. Career and Technology Studies (CTS): Community Health Focus

The CTS: Community Health Focus minor supports the Alberta Education CTS Community Health strand.

Required courses:
Five of:
Anthropology 1000 - The Anthropological Perspective
**Anthropology 2010 - Theory I: Historical Foundations of Anthropological Thought**
**Anthropology 2200 - The Ethnographic Imagination**
**Anthropology 2510 - Language, Culture, and Communication**
**Anthropology 2600 - Anthropology of Gender**
**Anthropology 3200 - Power and Discourse**
**Anthropology 3310 - Race and Ethnicity**
**Anthropology 3520 - Medical Anthropology**
**Anthropology 3900 - Social and Cultural Organization (Series)**
Biochemistry 2300 - Elements of Human Nutrition
**Biology 2003/Health Sciences 2003 - Epidemiology: The Ecology of Health and Disease**
Chemistry 2120 - Chemistry for Life Sciences II
Environmental Science 2000 - Fundamentals of Environmental Science
Kinesiology 1000 - Wellness and Physical Activity
Kinesiology 2110 - Biophysical Perspectives
Kinesiology 2130 - Humanities Perspectives
Kinesiology 2140 - Psychological Perspectives
Kinesiology 2150 - Sociological Perspectives
Kinesiology 2600 - Functional Human Anatomy
*Kinesiology 3610 - Exercise Physiology*
*Kinesiology 3630 - Growth, Development and Aging*
**Neuroscience 2600 - Brain and Behaviour**
**Neuroscience 3610 - Human Neuropsychology**
Psychology 1000 - Basic Concepts of Psychology
**Psychology 2110 - Introduction to Child Development**
**Psychology 2330 - Learning and Cognition**
**Psychology 2505 - Abnormal Psychology**
**Psychology 2800 - Social Psychology**
**Psychology 3120 - Psychology of Aging**
Sociology 1000 - Introduction to Sociology
**Sociology 2010 - Canadian Society**
**Sociology 2410 - Sociology of Gender**
Sociology 3020 - Social Problems
**Sociology 3310 - Sociology of Families**
**Sociology 3340 - Medical Sociology**

* Has prerequisite
** Has prerequisite which may be used to complete the requirements of the minor

5. Career and Technology Studies (CTS): Computer Technologies Focus

The CTS: Computer Technologies Focus minor supports the Alberta Education CTS Electro-Technologies and Information Processing strands.

Required courses:
Five of:
Computer Science 1000 - Introduction to Computer Science
Computer Science 1620 - Fundamentals of Programming I
**Computer Science 2610 - Introduction to Digital Systems**
**Computer Science 2620 - Fundamentals of Programming II**
**Computer Science 2720 - Practical Software Development**
**Computer Science 3615 - Computer Architecture**
**Computer Science 3620 - Data Structures and Algorithms**
**Computer Science 3655 - Operating Systems**
**Computer Science 3660 - Introduction to Database Systems**
**Computer Science 3710 - Computer Graphics**
**Computer Science 3740 - Programming Languages**
**Computer Science 3750 - Artificial Intelligence**
**Computer Science 3780 - Data Communications and Networking**
**Computer Science 4600 - Compiler Design**
**Computer Science 4660 - Database Management Systems**
**Management 2020 - Marketing**
*Has prerequisite*
**Management 3210 - Consumer Behaviour**
**Management 3862 - E-commerce Management**
*Has prerequisite*
**Management 3865 - Irrigation Science**
**Geology 2060 - Physical Geology**
*Has prerequisite which may be used to complete the requirements of the minor*

6. Career and Technology Studies (CTS): Natural Resources Focus
The CTS: Natural Resources Focus minor supports the Alberta Education CTS Energy and Mines and Forestry strands.

**Required courses:**

**Five of:**
- Biology 1010 - Cellular Basis of Life
- Biology 1020 - Diversity of Life
- Biology 2000 - Principles of Genetics
- Biology 2200 - Principles of Ecology
- Biology 3460 - Plant Physiology
- Biology 3520 - Invertebrate Zoology
- Biology 3560 - Integrative Plant Biology
- Biology 3700 - Ecosystem and Community Ecology
- Biology 4170 - Plant Biotechnology
- Chemistry 1000 - General Chemistry I
*Chemistry 2000 - General Chemistry II
Chemistry 1110 - Chemistry for Life Sciences I
Computer Science 1000 - Introduction to Computer Science
*Economics 3210 - Natural Resource Economics
*Economics 3220 - Environmental Economics
*Economics 3300 - Agricultural Policy I
Environmental Science 2000 - Fundamentals of Environmental Science
Geography 1000 - Introduction to Physical Geography
Geography 2000 - World Regional Geography
**Geography 2030 - Geomorphology**
**Geography 2300 - Weather and Climate**
Geography 2535 - Introduction to Planning
Geography 2600 - Canada
**Geography 2700 - Geographical Data and Analysis**
**Geography 2735 - Introduction to Geographical Information Science**
**Geography 3070 - Hazards, Disasters and Global Change**
**Geography 3080 - Soils**
**Geography 3120 - Agricultural Geography**
**Geography 3400 - Hydrology I**
**Geography 3720 - Remote Sensing**
**Geography 3740 - Geographical Information Systems**
**Geography 4065 - Irrigation Science**
**Geology 2060 - Physical Geology**
*Management 2020 - Marketing Management 2030 - Introduction to Organizational Behaviour**
**Management 3210 - Consumer Behaviour**
**Management 3862 - E-commerce Management**
*Has prerequisite*
**Has prerequisite which may be used to complete the requirements of the minor**

**d. Drama Education**

**Required courses:**
Drama 1000 - Introduction to Dramatic Arts

**Two of:**
- Drama 2310 - Acting: Fundamentals
- Drama 2320 - Voice and Speech: Fundamentals
- Drama 2340 - Movement Studies: Fundamentals
- Drama 2510 - Theatre for Young Audiences I
- Drama 2710 - Improvisation and Dramatic Process

Two Drama electives

**e. English Language Arts Education**

**Required courses:**
English 1900 - Introduction to Language and Literature
English 2610 - Survey of Children's Literature

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

**One of:**
- English 2000 - Survey of Canadian Literature
- English 3001 - Canadian Poetry
- English 3002 - Contemporary Canadian Drama
- English 3810 - Contemporary Canadian Literature

**f. Mathematics Education**

**Required courses:**
Mathematics 1410 - Elementary Linear Algebra
Mathematics 2000 - Mathematical Concepts
Three courses from Algebra, Analysis, Calculus, Computer Science, Geometry or Statistics

**g. Modern Languages Education (French, German, Spanish)**

**Note:** Students with a major in Modern Languages Education may elect to complete a minor in Modern Languages Education providing the minor is in a different language.

Modern Languages Education: French

**Required courses:**
French 3450 - Phonetics and Diction
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
Three additional French courses

**Recommended courses:**
French 2250 - French Immersion
French 3200 - Culture and Civilization II (Series)  
(French-Canadian)  
French 3600 - Literary Genres (Series)  

Modern Languages Education: German  

**Note:** The minor in Modern Languages Education: German has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).  

**Required courses:**  
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology  
Four German courses  

**Recommended course:**  
German 2250 - German Immersion  

Modern Languages Education: Spanish  

**Required courses:**  
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology  
Four Spanish courses  

**Recommended courses:**  
Spanish 2000 - Intermediate Language II  
Spanish 2200 - Culture and Civilization I  
Spanish 2250 - Spanish Immersion  

**h. Music Education**  

**History**  
Music 1000 - Introduction to Music  

**Theory**  
Music 2160 - Theory I  
*Music 2161 - Musicianship Skills I  
Music 2260 - Theory II  
*Music 2261 - Musicianship Skills II  
1.5 credit hours.  

**One of:**  
Music 2500 - Introduction to Music Technology  
Music 3030 - Film Music  
Music 3200 - Popular Music (Series)  
Music 3721 - World Music  
Music 4721 - Canadian Music  
Two Music Ensemble courses (1.5 credit hours each)  

**i. Native Education**  

**Required courses:**  
Native American Studies 1000 - Introduction to Native American Studies  
Native American Studies 2000 - Native American Philosophy  
Two additional courses in Native American Studies or Native Languages  

**One of:**  
Blackfoot 2210 - Structure of the Blackfoot Language  
Cree 2210 - Structure of the Plains Cree Language  

**j. Physical Education**  

**Required courses:**  
Kinesiology 1000 - Wellness and Physical Activity  

**One of:**  
Kinesiology 2110 - Biophysical Perspectives  
Kinesiology 2600 - Functional Human Anatomy  

**One of:**  
Kinesiology 2160 - Management Perspectives  
Kinesiology 3300 - Leadership Skills Development  
Physical Activity courses (6.0 credit hours in total)  

**k. Religious Studies Education**  

**Required courses:**  
Religious Studies 1000 - Introduction to World Religions  
Four Religious Studies courses or alternates approved by Student Program Services in the Faculty of Education  

**l. Science Education**  

**Required courses:**  
One course from each of two areas:  
Biochemistry  
Biography  
Chemistry  
Physical Geography (all Geography courses designated as Science)  
Physics  
Three courses from any of the following disciplines:  
Archaeology (courses designated as Science)  
Astronomy  
Biochemistry  
Biography  
Chemistry  
Environmental Science  
Geology  
Physical Geography (all Geography courses designated as Science)  
Physics  

**Note:** Three of the five courses must be above the 1000 level.  

**m. Social Studies Education**  

**Required courses:**  
One Canadian History course  
Four courses from any of the following disciplines:  
Economics  
Geography  
History  
Political Science  

**Note:** Three of the five courses must be above the 1000 level.  

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8. **EDUCATION SPECIALIZATIONS**  

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. 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.  

**a. Special/Inclusive Education**  

**Required courses:**  
Education 4573 - PS III, Special Focus Internship (Series)  
(Special/Inclusive Education) (15.0 credit hours)  
(Spring only)  
Education 43XX - Educational Foundation  
Three of:  
Education 4263 - Language Arts Instruction for Students with Learning Difficulties  
Education 4520 - Specialized Practicum (Series) (in a special/inclusive education setting)  
Education 4702 - Individualizing Instruction in the Regular Classroom  

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8
Education 4703 - Assessment for Individualized Educational Programming
Education 4709 - Issues in Special Education (Series)

**Note:** Completion of the course work is a prerequisite to registration in Education 4573 - PS III, Special Focus Internship (Series) (Special/Inclusive Education).

b. **Technology in Education**

**Required courses:**
Education 4573 - PS III, Special Focus Internship (Series) (Technology in Education) (15.0 credit hours)

**One of:**
- Education 4760 - Communication Technologies in the Curriculum
- Education 4762 - Problem Solving with Communication Technologies
- Education 4764 - The Internet and Education
- Education 4765 - New Media and Learning
- Education 4766 - Web-Based Learning
- Education 4767 - Web-Based Teaching

**Three of:**
- Art 3060 - Media Arts (Introduction to Digital Studio)
- Art 3061 - Media Arts (Video Sketchbook)
- Computer Science 1000 - Introduction to Computer Science

*Education 4391 - Seminar in Educational Foundations (Series) (Educational Technology: A Philosophical Approach)*

Education 4760 - Communication Technologies in the Curriculum
Education 4762 - Problem Solving with Communication Technologies
Education 4764 - The Internet and Education
Education 4765 - New Media and Learning
Education 4766 - Web-Based Learning
Education 4767 - Web-Based Teaching

**Four of:**
- Education 4263 - Language Arts Instruction for Students with Learning Difficulties
- Education 4272 - Teaching English as a Second Language
- Education 4709 - Issues in Special Education (Series) (Psychology and Education of Children with Behavioural Disorders)
- Education 4709 - Issues in Special Education (Series) (Consultation and Collaboration for Inclusive Classrooms)

**Fourth of:**
- Other technology focus courses as approved by the Assistant Dean, Student Program Services in the Faculty of Education

*Students are advised that in order to complete the Combined Degrees program within 50 courses, they may be required to choose Education 4391. If chosen, this course would also fulfill the Education Foundation requirement. Contact Student Program Services in the Faculty of Education for more information.*

**Note:** Completion of the course work is a prerequisite to registration in Education 4573 - PS III, Special Focus Internship (Series) (Technology in Education).

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9. **DIPLOMA PROGRAMS IN EDUCATION (D.P.E.)**

The Diploma Programs in Education are designed for certified practicing educators who wish to engage in further professional development.

The Faculty of Education offers two programs which lead to the credential, Diploma in Education.

a. **Diploma Program in Special/Inclusive Education**

The Diploma in Special/Inclusive Education, offered in collaboration with the University of Alberta, University of Calgary, and Athabasca University, consists of eight semester courses (24.0 credit hours) taken at the University of Lethbridge or one of the collaborating universities. All institutions offer equivalent courses. Students may take a course from any institution, but must take at least five semester courses (15.0 credit hours) at the University of Lethbridge to receive the credential from this University.

1. **Admission**

   Applicants must apply by May 1 to commence the program in the subsequent academic year. Applicants must meet the following minimum requirements for admission:

   a. Evidence of professional teaching certification (or its equivalent) in Alberta (or its equivalent).
   b. one previous course in special or inclusive education.

2. **Program Requirements**

   a. The program consists of the successful completion of eight semester courses (24.0 credit hours) as follows:

   **Required courses:**
   - Education 4263 - Language Arts Instruction for Students with Learning Difficulties
   - Education 4272 - Teaching English as a Second Language
   - Education 4709 - Issues in Special Education (Series) (Psychology and Education of Children with Behavioural Disorders)
   - Education 4709 - Issues in Special Education (Series) (Consultation and Collaboration for Inclusive Classrooms)

   **Four of:**
   - Other technology focus courses as approved by the Assistant Dean, Student Program Services in the Faculty of Education

   *Students are advised that in order to complete the Combined Degrees program within 50 courses, they may be required to choose Education 4391. If chosen, this course would also fulfill the Education Foundation requirement. Contact Student Program Services in the Faculty of Education for more information.*

   **Note:** Completion of the course work is a prerequisite to registration in Education 4573 - PS III, Special Focus Internship (Series) (Technology in Education).
3. **Academic Policies and Regulations**
   a. At the time of admission, qualifying courses from other institutions may be transferred up to a maximum of 6.0 credit hours. Other courses from other institutions, up to a maximum of 3.0 credit hours, may be transferred during the program provided that prior approval is granted by the Assistant Dean, Student Program Services in the Faculty of Education.
   b. At the time of admission, students may be permitted to use for credit prior courses completed at the University of Lethbridge provided such courses have not been counted for other credentials.
   c. Students are required to complete their entire program within five years from the date of admission. Students who fail to complete the program within five years may apply for an extension from the Assistant Dean, Student Program Services in the Faculty of Education.

b. **Student Initiated Diploma Program**

The Student Initiated Diploma is available to teachers who are self-motivated and self-directed and who are also able to identify and develop programs to meet their own specific needs. This program consists of eight semester courses (24.0 credit hours). The courses are proposed by the student at the time of admission according to a topic or theme related to the student's professional development needs or interests. Programs are individualized and courses are approved by the Assistant Dean, Student Program Services in the Faculty of Education, in consultation with an appropriate faculty advisor.

The designation of Student Initiated Major with a specific text record, as authorized and approved by the Faculty of Education, will appear on the recipient's transcript.

1. **Admission**
   Applicants must apply by May 1 to commence the program in the subsequent academic year. Applicants must meet the following minimum requirements for admission:
   a. Evidence of professional teaching certification (or its equivalent) in Alberta (or its equivalent).
   b. Two years successful teaching experience.

2. **Program Requirements**
   a. The program consists of the successful completion of eight semester courses (24.0 credit hours), which may consist of a combination of 3.0 and 1.5 credit hour courses, as follows:
      • six semester courses (18.0 credit hours) in Education at the 3000 level or above.
      • two semester courses (6.0 credit hours) from any faculty at the University of Lethbridge, including Education courses at the 3000 level or above.
   b. Students must maintain a minimum program grade point average of 3.00.
Sample B.Ed. After an Approved Degree Program - 20 Courses

<table>
<thead>
<tr>
<th>An acceptable baccalaureate degree which includes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• A major in a school subject</td>
</tr>
<tr>
<td>• A minimum cumulative GPA of 2.50 out of 4.00 calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours)</td>
</tr>
<tr>
<td>• A minimum cumulative GPA of 2.50 on all courses comprising the major</td>
</tr>
<tr>
<td>*Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) and a favourable recommendation</td>
</tr>
<tr>
<td>Completion of the Writing Proficiency Requirement</td>
</tr>
<tr>
<td>Special Admission Requirements for majors in Drama Education, Music Education, Native Education, and Physical Education</td>
</tr>
</tbody>
</table>

Admission to the Faculty of Education

<table>
<thead>
<tr>
<th>Professional Year I</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td><strong>Professional Semester I (PS I):</strong></td>
</tr>
<tr>
<td>Curriculum and Instruction</td>
</tr>
<tr>
<td>Educational Psychology</td>
</tr>
<tr>
<td>Language in Education</td>
</tr>
<tr>
<td>Evaluation of Learning</td>
</tr>
<tr>
<td>Teaching Seminar</td>
</tr>
<tr>
<td>Communications Technology and Education</td>
</tr>
<tr>
<td>Practicum - Equivalent to 125 hours in a school</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td><strong>Professional Semester II (PS II):</strong></td>
</tr>
<tr>
<td>Principles of Curriculum and Instruction for Majors</td>
</tr>
<tr>
<td>The Educational Psychology of Exceptional Learners</td>
</tr>
<tr>
<td>Social Context of Schooling</td>
</tr>
<tr>
<td>Evaluation of Student Learning</td>
</tr>
<tr>
<td>Practicum - Equivalent to 150 hours in a school</td>
</tr>
<tr>
<td>Plus a weekly 'Seminar in Teaching' component</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Year II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td><strong>Professional Semester III (PS III):</strong></td>
</tr>
<tr>
<td>This is the internship semester for secondary subject-based majors and special focus students (excluding Special/Inclusive Education)**</td>
</tr>
<tr>
<td>Internship: September-December, as arranged</td>
</tr>
<tr>
<td>Students teach approximately half time</td>
</tr>
<tr>
<td>Academic components designed to complement and enhance the internship</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>One Education Foundation</td>
</tr>
<tr>
<td>Three Education Electives</td>
</tr>
</tbody>
</table>

* Students who receive a Waiver of Education 2500 or have counted Education 2500 in the approved degree will be required to complete an additional Education Elective.

** Education 4571 - Elementary Education Internship and Education 4573 - Special Focus Internship (Series) (Special/Inclusive Education) are only offered in the spring semester.
1. GENERAL PHILOSOPHY AND PROGRAMS

The Faculty of Fine Arts incorporates the Departments of Art, New Media, Music, and Theatre and Dramatic Arts, which include the Art Gallery, Music Conservatory and the University Theatres. The Faculty emphasizes the acquisition of knowledge and the development of analytical skills and imagination necessary to both create and respond with aesthetic intelligence to the fine arts in a global community. Small class sizes, an integrative approach which allows for cross-disciplinary fertilization and an intrinsic emphasis on the development of valuable job skills are distinguishing features. The Faculty provides opportunities for students to demonstrate their creative ability and skills through exhibitions and performances, acknowledging that audience exposure and the resulting feedback and criticism is essential to learning in all of the fine arts disciplines. The Faculty is also committed to strengthening the creative and artistic dimensions of the University's total program and its commitment to the philosophy of a liberal education.

Degrees offered by the Faculty of Fine Arts are the Bachelor of Fine Arts - Art, the Bachelor of Fine Arts - Dramatic Arts, the Bachelor of Fine Arts - Multidisciplinary, Bachelor of Fine Arts - Native American Art, Bachelor of Fine Arts - New Media, and the Bachelor of Music. The requirements for these degrees are set out in this Part.

The Faculty of Fine Arts also offers a post-diploma program (admission is based on a two- or three-year diploma) leading to the Bachelor of Fine Arts - Art, the Bachelor of Fine Arts - Dramatic Arts, the Bachelor of Fine Arts - Multidisciplinary and the Bachelor of Music.
Students with previous degrees may pursue the degree Bachelor of Fine Arts - Art, Bachelor of Fine Arts - Dramatic Arts, Bachelor of Fine Arts - Multidisciplinary, Bachelor of Fine Arts - Native American Art, Bachelor of Fine Arts - New Media, or Bachelor of Music.

For more information about programs offered by the Faculty of Fine Arts, contact an Academic Advisor in the Faculty of Fine Arts (W660; tel. 403-329-2691; email: finearts.advising@uleth.ca).

2. ADVISING AND INFORMATION

Students must contact an Academic Advisor (W660; tel. 403-329-2691; email: finearts.advising@uleth.ca) in the Faculty of Fine Arts for advising and information about their programs.

3. ADMISSION

a. Bachelor of Fine Arts - Art and pre-Bachelor of Fine Arts - Art/Bachelor of Education

1. The B.F.A. - Art and pre-B.F.A. - Art/B.Ed. are available to applicants who meet the requirements for one of the following admission routes as set out in Part 1 - Admission:
   a. High School
   b. Transfer Student
   c. Adult Student (Mature)
   d. Standardized Test
   e. Alberta Colleges or Institutes of Technology
   f. Continuing Students (Continuing Students are evaluated using the same criteria as for New Transfer Students)

2. All students entering the B.F.A. - Art with an Art Studio major or the pre-B.F.A. - Art/B.Ed. degree programs must submit an art portfolio as part of their admission requirements. Details are given below:

   **Note:** Students pursuing a B.F.A. - Art with a major in Art History/Museum Studies are not required to submit a portfolio.

   **Art Portfolio Content**

   Compiling a portfolio of artwork is an important stage in the experience of an art student. The portfolio informs the Art Department about prospective students' creative interests, experience, skills, and direction. When developing a portfolio, applicants should choose their best work and present it as professionally as possible.

   **Personal Statement**

   The personal statement (or letter of intent) provides insight to the Art Department about the background and experience, inspirations and goals of students applying to study in Art programs. In a typed statement of approximately 500 words, applicants should explain their reasons for wishing to enter studies in Art. Applicants should include references to their artistic interests, specific influences, and any educational background in the arts, and include this statement with their portfolio.

   **Examples of Artwork**

   The portfolio should consist of 10-20 images of artworks by the applicant that provide a good representation of their range of art interests and skills. Works may be created inside or outside of a formal class environment. Applicants may submit more than one image of a single artwork if the work is large or complex.

   Applicants are encouraged to submit documentation of work in a range of materials and media:
   - Drawings, prints, paintings or murals
   - Photography (analogue or digital), collage or other mixed media works
   - Video, performance, animation or audio-based work
   - Sculpture, fibre or ceramic work
   - Website, graphic novel and zine productions
   - Sketchbook and journal examples

   **Image/Media List**

   The portfolio must include a numbered list of all works submitted, with titles, materials, dimensions, dates and a small description of the work along with the applicant's name and contact information.

   **Portfolio Development**

   Applicants requiring assistance in building a portfolio are encouraged to complete one or more of the following thematic projects. Applicants must include images of the completed project(s) in the portfolio, indicating which theme was followed:

   a. "The Storm." Using only materials cut from magazines, newspapers, and advertisements, make a collage on the subject of the storm.
   b. Create a 90-second video that investigates the idea of stillness.
   c. In written form, describe an event in which visual and sensory information were of primary significance to you.
   d. "This container isn't big enough." Look at this theme photographically using a variety of subjects.
   e. Draw one or two hands in the form and relationship they would have if they were holding something real.
   f. What is your favourite tool? Produce a mixed media work (combination of collage, drawing, print and/or painting) that explores and reveals your fascination with this tool.

   **Portfolio Deadline**

   The portfolio must be received by the following dates:
   - Fall semester: June 15
   - Spring semester: November 15

   **Note:** Portfolios must be submitted by March 1 to be considered for early admission. June 15 is the final date portfolios are accepted for the fall semester.

   Submit Portfolio Online at: ulethbridge.slideroom.com

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

1. The B.F.A. - Dramatic Arts and pre-B.F.A. - Dramatic Arts/B.Ed. are available to applicants who meet the requirements for one of the following admission routes as set out in Part 1 - Admission:
   a. High School
   b. Transfer Student
   c. Adult Student (Mature)
   d. Standardized Test
   e. Alberta Colleges or Institutes of Technology
   f. Continuing Students (Continuing Students are evaluated using the same criteria as for New Transfer Students)

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 or the pre-B.F.A. - New Media/B.Ed. 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 10-20 current examples that provide a good representation of your fine arts interests and skills. Examples can be submitted in any or all of these areas:
   - **Art**
     Can include, but is not limited to, photographs, sculptures, paintings, drawings, printmaking and ceramics.
   - **Music**
     A audio or video of your performance or copies of your compositions.
   - **Theatre/Drama**
     Collection of images (reviews, photos, programs), video or audio tapes—do not send originals.
   - **New Media**
     Can include, but is not limited to, computer generated still images, moving images (video or animation) or design (minimum of 10).

   **Essay Option**
   Applicants who may not have access to the necessary technology may submit an essay in place of a portfolio. The essay should discuss or explain your definition of new media and its importance to your professional development. Length: approximately 750 words/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?
f. Bachelor of Music or pre-Bachelor of Music/Bachelor of Education

1. The B.Mus. and pre-B.Mus./B.Ed. are available to applicants who meet the requirements for one of the following admission routes as set out in Part 1 - Admission:
   a. High School
   b. Transfer Student
   c. Adult Student (Mature)
   d. Standardized Test
   e. Alberta Colleges or Institutes of Technology
   f. Continuing Students (Continuing Students are evaluated using the same criteria as for New Transfer Students)

2. Students entering the B.Mus. with a major in Music and pre-B.Mus./B.Ed. degree programs are advised to audition before their first semester. First-year students and transfer students can be admitted to the University without auditioning; however, they cannot register for Music Studio until they audition successfully. See Section 7.e.2. Studio Audition Procedure, p. 187 or www.uleth.ca/finearts/admissions for further details.

3. The B.Mus. with a major in Digital Audio Arts accepts applications for fall admission only. Enrolment in the Digital Audio Arts major is limited and admission is competitive; selections are made based on the following:
   a. Academic proficiency, as demonstrated by grade achievement;
   b. Submission of a portfolio. Details are given below:

Digital Audio Arts Portfolio Content

Applicants must submit to the Department of Music a digital portfolio that includes three parts:

1. Essay
   A minimum 600-word essay in PDF or Word format that describes the following: (1) reasons for choosing this program, (2) area of interest in the Digital Audio Arts (production, film, broadcast, composition and/or computer music), (3) all audio and technology experiences in the area, (4) music theory background, and (5) any other information the applicant deems relevant.

2. Audio Examples
   Applicants must submit three to five audio examples. Submissions may or may not be original compositions. Submissions of audio for film or other visual media in QuickTime and other digital imagery are also acceptable. Although not required, it is strongly recommended applicants use one or more of the following options to diversify the examples:
   - Music Production – a piece of music from any genre produced and recorded by the applicant.
   - Audio for Film – remove the sound from a scene in a movie or video and reproduce all dialogue, sound effects and scores.
   - Soundscape – create an experimental piece by layering sounds produced either electronically or acoustically.
   - Sonic Art – create an experimental work by exploring the aural domains of art and perception using notions of sound, listening and hearing as predominant creative forces.
   - Radio Advertisement – create a 30-second radio ad using dialogue, sound effects, and music.

3. Inventory List
   Applicants will include an inventory list of the examples including the title and date of each work, names of collaborators and a description of the process used (including hardware and software). The list must also include the applicant's name and contact information.

Portfolio Deadline: All materials must be received by the University by June 15 for admission to the fall semester.

Note: Portfolios must be submitted by March 1 to be considered for early admission. June 15 is the final date portfolios are accepted for the fall semester.

Submit Portfolio to:
ulethbridge.slideroom.com

For more information, visit the Faculty of Fine Arts website at www.uleth.ca/finearts/departments/music/digital-audio-arts-admission contact the Faculty of Fine Arts Admissions and Portfolio Advisor at 403-380-1864, or email finearts.admissions@uleth.ca.
g. Post-Diploma Degree Program (After a Two- or Three-Year Diploma)\(^1\) or pre-Post-Diploma Degree/Bachelor of Education Program

\(^1\)The B.F.A. - Native American Art and B.F.A. - New Media programs are currently not available as Post-Diploma degree programs.

1. An approved two- or three-year college diploma in Art, Theatre or Dramatic Arts, or Music (see Part 20 - Collaborating and Partnering Institutions for a list of colleges with approved diplomas). Applicants must declare the major that most closely corresponds to the content of the diploma. For example, a Post-Diploma B.F.A. - Art applicant whose diploma emphasized studio practice would declare the Art Studio major.

2. A GPA of at least 2.50 in the diploma program.

3. Because quotas are applied, competition is based on a combination of GPA and portfolio/audition.

4. Portfolio/audition appropriate to the area of application. Details are given below:

Note: Students pursuing a Post-Diploma B.F.A. - Art with a major in Art History/Museum Studies are not required to submit a portfolio.

<table>
<thead>
<tr>
<th>Portfolio/Audition Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art:</td>
</tr>
<tr>
<td>See Art Portfolio instructions in Section a. Bachelor of Fine Arts - Art and pre-Bachelor of Fine Arts - Art/Bachelor of Education, p. 168. Portfolio requirements are available at <a href="http://www.uleth.ca/finearts/admissions">www.uleth.ca/finearts/admissions</a>.</td>
</tr>
<tr>
<td>Theatre/Dramatic Arts:</td>
</tr>
<tr>
<td>Theatre Studies and Technical/Design majors:</td>
</tr>
<tr>
<td>Materials representative of recent theatre experiences as performer, designer or technician.</td>
</tr>
<tr>
<td>Examples include: list of productions, roles, reviews, photographs, programs and video tapes.</td>
</tr>
<tr>
<td>Performance majors: As above and audition/ interview.</td>
</tr>
<tr>
<td>Portfolio and audition/interview requirements are available at <a href="http://www.uleth.ca/finearts/admissions">www.uleth.ca/finearts/admissions</a>. Music:</td>
</tr>
<tr>
<td>A live audition or 20-minute videotape/DVD demonstrating musicianship, musical development, overall ability and potential. Applicants to the Post-Diploma B.Mus. (after a two-year diploma) or Post-Diploma B.Mus./B.Ed. programs must successfully audition into Studio V (Instrument) (Music 3548) to be eligible for admission. Applicants to the Post-Diploma B.Mus. (after a three-year diploma) must successfully audition into Studio VII (Instrument) (Music 4748) to be eligible for admission. Audition application and information are available at <a href="http://www.uleth.ca/finearts/admissions">www.uleth.ca/finearts/admissions</a>. Also see Section 7.e.2. Studio Audition Procedure, p. 187.</td>
</tr>
<tr>
<td>Theatre/Dramatic Arts:</td>
</tr>
<tr>
<td>Theatre Studies and Technical/Design majors:</td>
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</tr>
<tr>
<td>Examples include: list of productions, roles, reviews, photographs, programs and video tapes.</td>
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<tr>
<td>Performance majors: As above and audition/ interview.</td>
</tr>
<tr>
<td>Portfolio and audition/interview requirements are available at <a href="http://www.uleth.ca/finearts/admissions">www.uleth.ca/finearts/admissions</a>. Music:</td>
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<tr>
<td>A live audition or 20-minute videotape/DVD demonstrating musicianship, musical development, overall ability and potential. Applicants to the Post-Diploma B.Mus. (after a two-year diploma) or Post-Diploma B.Mus./B.Ed. programs must successfully audition into Studio V (Instrument) (Music 3548) to be eligible for admission. Applicants to the Post-Diploma B.Mus. (after a three-year diploma) must successfully audition into Studio VII (Instrument) (Music 4748) to be eligible for admission. Audition application and information are available at <a href="http://www.uleth.ca/finearts/admissions">www.uleth.ca/finearts/admissions</a>. Also see Section 7.e.2. Studio Audition Procedure, p. 187.</td>
</tr>
</tbody>
</table>

h. Post-Diploma B.F.A. - Multidisciplinary Degree Program (After a Two- or Three-Year Diploma)

1. An approved two- or three-year college diploma in Art, Theatre or Dramatic Arts, or Music.

2. A GPA of at least 2.50 in the diploma program.

3. Because quotas are applied, competition is based on GPA.

\(^{1}\)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 B.Mus. programs. The college program must include a minimum of 16 courses in the discipline.

i. Bachelor of Fine Arts - New Media/Bachelor of Management

See Part 13 - Combined Degrees, Section 11 (p. 287).

j. B.F.A. or B.Mus. After an Approved Degree

Students with previous approved degrees may pursue the degree Bachelor of Fine Arts - Art, Bachelor of Fine Arts - Dramatic Arts, Bachelor of Fine Arts - Multidisciplinary, Bachelor of Fine Arts - Native American Art, Bachelor of Fine Arts - New Media, or Bachelor of Music.

An approved degree is a baccalaureate degree with 30 or more course equivalents from a recognized institution, Canadian or International. (See Part 1 - Admission, 3.b.5., p. 36.)

Other three-year international baccalaureate degrees or applied degrees may be considered a basis for admission to second degree programs with the prior approval of the Dean of the Faculty of Fine Arts.

Students are not eligible to pursue a second Fine Arts degree which is similar to one already completed at a recognized institution. Generally, Fine Arts degrees with identical or closely related majors are considered to be similar. Exceptions may be made at the discretion of the Dean in the case of international students seeking North American credentials. The decision of the Faculty of Fine Arts will be final in these matters.

This program is primarily of interest to degree-holders wishing to pursue an entirely different field of study to enhance or change their career focus and to International students seeking North American credentials.

Second degree students applying to the Bachelor of Fine Arts - Art with an Art Studio major must meet the portfolio requirements as indicated in a. above.

Second degree students applying to the Bachelor of Fine Arts - Native American Art with an Art Studio major must meet the portfolio requirements as indicated in a. above.

Second degree students applying to the Bachelor of Fine Arts - New Media must meet the portfolio requirements as indicated in a. above.

Second degree students applying to the Bachelor of Music with a Music major are advised to audition as indicated in f.2. above.

Second degree students applying to the Bachelor of Music with a Digital Audio Arts major must meet the portfolio requirements as indicated in f.3. above.

k. Conditional Admission

Conditional Admission provides admission which is conditional upon eventual satisfaction of certain admission requirements. The conditions and the date by which these must be completed are specified with the offer of admission. Students failing to meet the admission conditions in the time specified may be required to withdraw from the program; in such cases, the student’s qualifications will be reviewed for possible admission to another program at the University.
1. **Enrolment Limits**

Enrolment limits for particular courses may be imposed when resources become exhausted.

4. **ACADEMIC STANDARDS**

a. **Student in Good Standing**

To be in good standing, a student must maintain a cumulative GPA of 2.00.

b. **Probationary Student**

If the cumulative GPA falls below 2.00, the student is placed on academic probation and is subject to program restrictions. In some cases, a student may be admitted as probationary because a previous academic record is either deficient in some respect, below the standard ordinarily required or difficult to assess.

c. **Required Withdrawal from the Faculty of Fine Arts**

Students may be required to withdraw from the Faculty of Fine Arts on two academic grounds: (1) academic indices or (2) two consecutive semesters on probation.

Students shall be required to withdraw for academic reasons from the Faculty of Fine Arts only following the spring semester.

1. **Required Withdrawal - Academic Indices**

Students whose cumulative GPA, at the end of the spring semester, falls below the following indices are required to withdraw from the Faculty of Fine Arts:

<table>
<thead>
<tr>
<th>Number of completed courses</th>
<th>GPA (U of L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 - 10</td>
<td>1.80</td>
</tr>
<tr>
<td>11 - 20</td>
<td>1.90</td>
</tr>
<tr>
<td>21 - 40</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Students in the Post-Diploma B.F.A. and B.Mus. programs will be considered with students who have completed 21 to 40 courses.

2. **Required Withdrawal - Semesters on Probation**

Students who, at the end of the spring semester, have remained on academic probation for two or more consecutive semesters, are required to withdraw from the Faculty of Fine Arts.

Students required to withdraw from the Faculty of Fine Arts may be eligible for admission to the Faculty of Arts and Science under the conditions of Continuing Students Changing Programs (see **Part 1- Admission, Section 4, p. 41**).

d. **Required Withdrawal from the University of Lethbridge**

Students may be required to withdraw from the University on two academic grounds: (1) academic indices or (2) two consecutive semesters on probation.

Students shall be required to withdraw for academic reasons from the University of Lethbridge only following the spring semester.

1. **Required Withdrawal - Academic Indices**

Students whose cumulative GPA, at the end of the spring semester, falls below the following indices are required to withdraw from the University:

<table>
<thead>
<tr>
<th>Number of completed courses (includes transfer courses)</th>
<th>GPA (U of L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 - 10</td>
<td>1.50</td>
</tr>
<tr>
<td>11 - 20</td>
<td>1.70</td>
</tr>
<tr>
<td>21 - 30</td>
<td>1.85</td>
</tr>
<tr>
<td>31 - 40</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Students in the Post-Diploma B.F.A. and B.Mus. programs will be considered with students who have completed 21 to 30 or 31 to 40 courses as appropriate.

e. **Readmission to the Faculty of Fine Arts after Required Withdrawal**

1. **Readmission after Required Withdrawal from the Faculty of Fine Arts**

Students who maintain continuing student status in the Faculty of Arts and Science are eligible for readmission to the Faculty of Fine Arts once their cumulative GPA returns to 2.00 or above.

Students who do not maintain continuing student status at the University of Lethbridge after Required Withdrawal from the Faculty of Fine Arts are eligible for readmission under the conditions listed in 2. below provided they are not subsequently admitted to another Faculty prior to applying for readmission to the Faculty of Fine Arts.

2. **Readmission after Required Withdrawal from the University**

Students dismissed for academic reasons will not be granted readmission until the lapse of one year. An application for readmission must include evidence that the causes of previous unsatisfactory work have been identified and removed. Students required to withdraw twice are not usually eligible for readmission.

Tabula Rasa will be granted to all first-degree University of Lethbridge students registered in programs offered by the Faculty of Fine Arts upon readmission after required withdrawal for unsatisfactory academic performance. Tabula Rasa will be granted only once, upon readmission after the first required withdrawal. Credit is retained for all previous courses completed with a grade of 'C-' or above, or "P", up to a limit of 20 courses, although the grades for these courses are not calculated in the GPA. Students readmitted after required withdrawal are readmitted on probation.
5. INSTITUTIONAL HONOURS
   a. Dean's Honour List
      Students with outstanding academic performance are recognized on the Dean's Honour List. The list is compiled twice yearly at the end of each of the fall and spring semesters.
      To qualify students must complete four or more graded courses and achieve a grade point average of 3.75 or higher in their courses.
   b. Standards for Distinction and Great Distinction
      Students who have displayed outstanding academic performance during their undergraduate degree programs are awarded their degrees 'With Distinction' or 'With Great Distinction'.
      Students with an award GPA of 3.50 to 3.74 are awarded their degree 'With Distinction'. Students with an award GPA of 3.75 or higher are awarded their degree 'With Great Distinction'.
      For purposes of awarding degrees 'With Distinction' or 'With Great Distinction', the Faculty of Fine Arts uses the cumulative GPA as calculated on the University of Lethbridge transcript.

6. CO-OPERATIVE EDUCATION STUDIES
   Co-operative Education is a program that integrates academic studies with relevant, full-time work experience. During work terms that are typically four months long, students gain practical experience in not-for-profit organizations, private industry or government agencies. Students may complete up to six work terms. Further information may be obtained from the Arts and Science Office of Co-operative Education (AH154; 403-382-7154). Co-operative Education is an option for students in all programs offered by the Faculty of Fine Arts. Students interested in pursuing Co-operative Education are strongly encouraged to meet with an Academic Advisor in the Faculty of Fine Arts to discuss course sequencing implications if work terms are to be taken in the fall and/or spring semesters.
   a. Work Terms
      To receive the Co-op designation, students must complete all regular degree requirements and a minimum of three work terms:
      Fine Arts 3001 - Co-op Work Experience I
      Fine Arts 3002 - Co-op Work Experience II
      Fine Arts 3003 - Co-op Work Experience III
      Students may also choose to take up to three additional work terms:
      Fine Arts 3004 - Co-op Work Experience IV
      Fine Arts 3005 - Co-op Work Experience V
      Fine Arts 3006 - Co-op Work Experience VI
      Students must be registered through the program for the full period of the work term in which they applied, and once registered are not permitted to withdraw without failure. A grade of 'F' (fail) will be awarded for the term(s) unless extenuating circumstances warrant granting of W withdrewal with Cause (W C), in accordance with University of Lethbridge policy (see Part 4, Section 2, p. 68). Students should contact the Coordinator of Co-operative Education for assistance with the procedure.
   b. Transfer of Co-op Work Terms
      A maximum of one Co-op work term from another institution with formal co-operative education programs shall be eligible for recognition towards the requirement. To be eligible for recognition, the Co-op shall be subject to special assessment by the Co-operative Education Office. An approved Co-op must be registered as a non-academic course on the student's transcript from the sending institution and must have received a passing grade.

7. INDEPENDENT STUDY
   Independent Study may be taken for credit inside or outside of the student's Fine Arts discipline. A maximum of five Independent Study courses may count for degree credit. Post-diploma and/or combined degrees may count only three. Independent Study numbers 2990, 3990, and 4990 indicate the level of advancement. Independent Study may be elected as early as the second semester or as late as the last, depending upon the capability of the student for undertaking academic work with a minimum of guidance.
   Independent Study may take a variety of forms including theoretical studies, studio practice or a combination of both. Admission to Independent Study is achieved through consent of the instructor, who agrees to guide the Study, and by approval of the Department and the Dean. Enrolment may be for a regular semester or during a summer session. Credit for Independent Study is at the discretion of the Department, upon recommendation of the instructor. Grades are due at the end of the term of registration, as for regular courses.
   Since Independent Study is intended to expand a student's program beyond the limits of the regular curriculum, it may not be used to duplicate course offerings.

8. DEGREE PROGRAMS
   a. B.F.A. - Art
      The Department of Art offers degrees in Art Studio and Art History/Museum Studies. Within a liberal education context, the programs provide the opportunity for intensive instruction in studio production and in art history and museum studies, and for engagement with theoretical and historical discourses related to contemporary art.
      Art Studio courses combine traditional and emerging media, such as drawing, painting, sculpture, computer-based art, audio art, photography, video, printmaking, installation and performance art. Spacious and well-equipped facilities permit students to undertake projects in an environment of expert technical support, creative guidance and critical dialogue. Foundation courses provide an introduction to a diversity of materials and ideas that are expanded upon in upper level courses. Senior students are allocated individual studio spaces facilitating independent art production at an advanced level.
      The Art History/Museum Studies program concentrates primarily on nineteenth to twenty-first century European and North American and First Nations Art History. This degree program is unique in Canada with its combination of history, theory and hands-on museum experience at the undergraduate level. Students intern in regional public art galleries and museums and gain valuable, career-specific skills in the context of the University's renowned teaching collection of over 13,000 objects. The Visiting Speakers in the Arts Program offered through Art N O W and Architecture and Design N O W, provides extensive exposure to leading practitioners in the field. With several high-profile visitors every week— including artists, critics, historians and curators—
students have a unique learning experience, one that illuminates national and international achievement. Course credit is available for attendance in the Visiting Speakers series in Art 3261 - Art NOW, Art 3262 - Art NOW, Art 3210 - Architecture and Design NOW I, and Art 4210 - Architecture and Design NOW II. These programs prepare students to become professional artists or art educators, or for careers in gallery and museum work. They provide a solid base for further studies in Art Studio, Art History, Museum Studies, Media Studies, Art Education, Architecture, Design and related disciplines.

Students interested in pursuing a B.A. with an Art major should refer to the degree requirements listed under Part 7 - Arts and Science, Section 15.f. (p. 111).

1. Degree Requirements
   a. Successful completion of 40 courses (120.0 credit hours) with a cumulative GPA of at least 2.00.
   b. A minimum cumulative GPA of 2.50 in all Art and Art History/Museum Studies courses.
   c. Completion of four courses from each of List II: Social Sciences and List III: Sciences to fulfill the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
   d. At least 13 Art and/or Art History/Museum Studies courses (39.0 credit hours) at the 3000/4000 level.
   e. A maximum of five Independent Studies (15.0 credit hours) (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
   f. 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).
   g. Residence Requirement: 20 courses (60.0 credit hours), including a minimum of 12 offered by the Department of Art of which at least seven must be at the 3000/4000 level.
   h. Completion of a minimum of 27 (81.0 credit hours) Art and Art History/Museum Studies courses for Art Studio majors and a minimum of 25 (75.0 credit hours) Art and Art History/Museum Studies courses for Art History/Museum Studies majors to a maximum of 32 courses in Art and Art History/Museum Studies (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).

Required Art and Art History/Museum Studies Courses:
- Art 2031 - Foundation Studio (Drawing and Image)
- Art 2032 - Foundation Studio (Object and Space)
- Art 3261 - Art NOW
- Art 3262 - Art NOW
- 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

Students must choose either the Art Studio major or the Art History/Museum Studies major listed below:

1. Art Studio Major:
   - Art 3010 - Drawing (Principles and Practices)
   - Art 3040 - Advanced Studio (6.0 credit hours)
   - Art 4048 - Senior Studio (6.0 credit hours)

Art Studio: List I
Three of:
- 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 3060 - Media Arts (Introduction to Digital Studio) OR Art 3061 - Media Arts (Video Sketchbook)

Art Studio: List II
Four of:
- 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:
- 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:
- 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:
- 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 additional course chosen from Art History Lists A, B, or C

Art Electives:
Four elective Art or Art History/Museum Studies courses (12.0 credit hours)

Elective Art or non-Art courses: five courses (15.0 credit hours)

2. Art History/Museum Studies Major:
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 3220 - Art: 1945 to 1970
Art History/Museum Studies 3240 - Canadian Art History to 1940
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/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 of:
- Art History/Museum Studies 3151 - Art History (Series)
- Art History/Museum Studies 3250 - Northwest Coast Art

Required Cognates:
- Native American Studies 2300 - Native American Art History and Theory
- Native American Studies elective

Art Electives:
Seven elective Art or Art History/Museum Studies courses (21.0 credit hours) including a minimum of two (6.0 credit hours) at the 3000/4000 level

Elective Art or non-Art courses: five courses (15.0 credit hours)

Note: Good writing is central to Art History and Museum Studies so Writing 1000 is highly recommended as an elective taken early in the degree.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/art_bfa_studio for a suggested sequencing plan for the Art Studio major in the B.F.A. - Art program.
See www.uleth.ca/ross/sequencing-plans/art_bfa_hist for a suggested sequencing plan for the Art History/Museum Studies major in the B.F.A. - Art program

2. Honours Thesis' Designation
Qualified students in the Bachelor of Fine Arts - Art program may elect to complete an Undergraduate Thesis course (6.0 credit hours). Students who complete all requirements and satisfy the academic standards required for the Undergraduate Thesis course are eligible to receive the 'Honours Thesis', designation on their official transcript and degree parchment.
The B.F.A. - Art Undergraduate Thesis courses are Art 4995 for Art Studio majors, and Art History/Museum Studies 4995 for Art History/Museum Studies majors. (See Part 14 - Courses for details.)
a. Prerequisites
Prospective 'Honours Thesis' candidates in the B.F.A. - Art must meet the prerequisites as indicated for Art 4995 for Art Studio majors and Art History/Museum Studies 4995 for Art History/Museum Studies majors. (See Part 14 - Courses for details.)
b. Supervisory Committee
For each prospective 'Honours Thesis' candidate, a Supervisory Committee will be established. The Supervisory Committee, approved by the Art Department will consist of the Thesis Supervisor from the Art Department and a minimum of one other member, who may be from outside the Art Department.
c. Initial Approval
1. The prospective student must present a Thesis Proposal to be approved by the Supervisory Committee prior to registration for the course.
2. The Supervisory Committee will establish at the outset the weighing of the studio (if applicable), written and oral components of the thesis, as well as the procedure for determining the final grade.
3. Subsequent changes to the approved Thesis Proposal must be approved by the Supervisory Committee.
4. The prospective student must submit an unofficial transcript for review by the Supervisory Committee.

5. Admission to the course is achieved through approval of the Supervisory Committee and the Art Department, endorsed by the Dean whose signature indicates that the necessary resources are available for the project.

6. The student must register for the Undergraduate Thesis course by the last day for course Add/Drop for the given fall/spring semester or summer session.

d. Final Assessment
The final assessment for the Undergraduate Thesis is based on two criteria:

1. Studio and/or Written Component
   The Undergraduate Thesis must be a sustained piece of supervised research demonstrating a superior level of artistic and/or academic ability on a matter approved by the Supervisory Committee prior to registration in the course. The Thesis should be of high quality and made publicly available by the Art Department.

2. Oral Component
   The student will be required to make a formal oral presentation demonstrating the ability to articulate clearly the nature of the project undertaken, the research methodology and the results of the project. This component is a demonstration of the student's competence in oral communication and not necessarily an oral defence of the Thesis, unless so specified by the Art Department.

e. Eligibility for 'Honours Thesis' Designation
   Students are eligible to receive the 'Honours Thesis' designation on their official transcript and degree parchment only if they achieve a minimum grade of 'B+' (3.30 or higher) for the Undergraduate Thesis course, and have satisfactorily completed the required oral component. Students who achieve grades between 'D' and 'B', inclusive, and/or do not complete the oral component will retain credit for the equivalent of two courses (6.0 credit hours) but will not be eligible for the 'Honours Thesis' designation.

Inquiries about the 'Honours Thesis' option should be directed to the Art Department. Please refer to Part 4 - Academic Regulations, Section 2.f. (p. 71) for more information on the 'Honours Thesis' designation.

Note: The 'Honours Thesis' designation is not available for combined degrees programs, post-diploma programs or the B.F.A. - Art as a second degree.

3. Minors in the B.F.A. - Art
B.F.A. - Art students may elect to complete a minor in one of the following six areas: First Nations Governance, General Management, Information Systems, International Management, Marketing, or Social Responsibility. For students who complete all of the requirements, the specific minor will be acknowledged on the official transcript.

a. First Nations Governance minor
   The five courses required for the minor in First Nations Governance include:

   **Required Courses:**
   - Native American Studies 1000 - Introduction to Native American Studies
   - Native American Studies 2300 - North American Indian Art History and Theory
   - Three of the following:
     - Native American Studies 2100 - Aboriginal Peoples and Law
     - Management 3500/Native American Studies 3250 - Financial Management in Aboriginal Communities
     - Management 3506/Native American Studies 3506 - Aboriginal Small Business and Entrepreneurship in Canada
     - 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

b. General Management minor
   The five courses required for the minor in General Management include:

   **Five of:**
   - 1Management 2030 - Introduction to Organizational Behaviour
   - Management 2100 - Introductory Accounting
   - Management 2020 - Marketing
   - Management 2400 - Management Accounting
   - Management 3031 - Managing Responsibly in a Global Environment
   - Management 3040 - Finance
   - Management 3505/Political Science 3420 - Human Resource Management
   - Management 3061 - Information Systems and Management
   - Management 3080 - Managerial Skill Development
   - A Management elective
c. Information Systems minor

Required Courses:
1. Computer Science 1620 - Fundamentals of Programming I
2. Management 3850 - Contemporary Database Applications

Three of:
1. Management 3061 - Information Systems and Management
2. Management 3821 - Visual Programming Applications
3. Management 3822 - Object-Oriented Programming for Web Applications
4. Management 3862 - E-commerce Management
5. Management 3920 - Project Management
6. Management 4840 - Systems Analysis

The five courses required for the minor in Information Systems include:

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

The five courses required for the minor in Information Systems include:

Required Courses:
1. Computer Science 1620 - Fundamentals of Programming I
2. Management 3850 - Contemporary Database Applications

Three of:
1. Management 3061 - Information Systems and Management
2. Management 3821 - Visual Programming Applications
3. Management 3822 - Object-Oriented Programming for Web Applications
4. Management 3862 - E-commerce Management
5. Management 3920 - Project Management
6. Management 4840 - Systems Analysis

Internationally Management minor

The five courses required for the minor in International Management include:

One of:
1. Management 3640 - Cross-Cultural Management Practices
2. Management 3650 - Introduction to International Management

International Exchange Semester:
Participation in an international exchange semester is required. Students complete Management 3640 or Management 3650 at the UoL and then complete the equivalent of four courses while on exchange at a partner school. Students have the option to take two summer exchanges in different countries, or one summer exchange and the Cross-Cultural Work Study if they cannot participate in a full-semester exchange. Where possible, courses completed while on exchange will have international content; where international content is not possible, courses should reflect the unique cultural aspects of the host country or region.

- At least two courses must be Management courses
- One course may be a language or culture course
- One course may be a non-Management elective

Marketing minor

The five courses required for the minor in Marketing include:

Required Course:
1. Management 2020 - Marketing

Four of:
1. Management 3210 - Consumer Behaviour
2. Management 3215 - Introduction to Marketing Communications and Social Media
3. Management 3220 - Marketing Research
4. Management 3225 - Brand Management
5. Management 3230 - Retailing Management
6. Management 3240 - Sales Management
7. Management 3250 - Social Marketing
8. Management 3260 - Not-for-Profit Marketing
9. Management 3280 - Services Marketing Management
10. Management 3290 - Marketing and Society
11. Management 3806 - Small Business Management
12. Management 3850 - Selected Topics in Management (with an emphasis in Marketing)
13. Management 3862 - E-commerce Management
14. Management 4215 - Advanced Marketing Communications and Social Media
15. Management 4220 - Cross-Cultural Marketing

Social Responsibility minor

The five courses required for the minor in Social Responsibility include:

Required Courses:
1. Management 1000 - Introduction to Management
2. Management 3710 - Managing Not-for-Profit Organizations

Three of:
1. Management 3250 - Social Marketing
2. Management 3260 - Not-for-Profit Marketing
3. Management 3315 - Diversity in Employment
4. Management 3552 - Sustainable Tourism
5. Management 3640 - Cross-Cultural Management Practices
6. Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
7. Management 3980-3981 - Applied Studies/Field Experience (with a not-for-profit organization)
8. Management 4390 - Leading Organizational Change
9. Management 4580 - Environmental Management
10. Management 4640 - Cross-Cultural Work Study

Students should be aware that many of the courses have a number of prerequisites which will require taking courses extra to their minimum degree requirements. Students are strongly advised to discuss their programs with an Academic Advisor early in their programs.

Although Management 3806 has no prerequisites, it is normally taken by Management students in their final year. B.F.A. students choosing to complete this course are advised to take it as the fifth and final course in their minor.
4. Double Major in Art History/Museum Studies and Art Studio
   Although the Faculty of Fine Arts does not recognize double majors as official student programs leading toward the B.F.A. - Art degree, it will authorize the designation of the double major for all students who, upon graduation, have completed all of the minimum requirements for both the Art History/Museum Studies and Art Studio majors.
   Completion of a double major in both Art History/Museum Studies and Art Studio would require the minimum of 40 courses (120.0 credit hours). The Faculty cannot guarantee that course sequencing and timetables will accommodate the double major combination within eight consecutive regular semesters of work. While students may intend to pursue two majors, only one major will be recognized on their official program forms and for establishing priority in access to courses. Double major status will only be designated upon application for graduation.
   Interested students are encouraged to consult with Academic Advisors regarding the double major as early as possible in their academic programs.

b. B.F.A. - Dramatic Arts
   The Department of Theatre and Dramatic Arts offers courses in various aspects of the discipline. Within the context of a liberal education, the Department provides opportunities for suitably qualified students to pursue a specialized or general degree in Dramatic Arts.
   Students interested in pursuing a B.A. with a Dramatic Arts major should refer to the degree requirements listed under Part 7 - Arts and Science, Section 15.m. (p. 116).

1. Degree Requirements
   a. Successful completion of 40 courses with a cumulative GPA of at least 2.00.
   b. A minimum cumulative GPA of 2.50 in all Drama courses.
   c. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
   d. At least 13 Drama courses at the 3000/4000 level.
   e. A maximum of five Independent Studies (15.0 credit hours) (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
   f. 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).
   g. Residence requirement: 20 courses, including 12 in Dramatic Arts of which at least 7 must be at the 3000/4000 level.
   h. Completion of a minimum of 27 Drama courses for Performance or Theatre Studies majors and a minimum of 24 Drama courses for Technical/Design majors (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).

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 2611 - Technical Theatre Portfolio I
   Drama 2810 - Introduction to Stagecraft
   Drama 3100 - Theatre in Performance
   Drama 3130 - Canadian Theatre

Required cognate:
   One of:
     English 3201 - Elizabethan and Jacobean Drama
     English 3602 - Shakespeare
     English 3620 - Modern Drama
     English 3660 - Contemporary Drama

   Students initially choose one of three majors: Performance, Technical/Design, or Theatre Studies. Students who intend to pursue the Performance major must successfully audition in their second year to continue in or transfer to the Performance major. Students who are unsuccessful or choose not to audition may pursue a Theatre Studies or Technical/Design major.

1. Performance Major
   Drama 2310 - Acting: Fundamentals
   Drama 2320 - Voice and Speech: Fundamentals
   Drama 2340 - Movement Studies: Fundamentals
   Drama 2830 - Stage Makeup
   Drama 3310 - Acting: Scene Study I
   Drama 3311 - Acting: Scene Study II
   Drama 3320 - Voice and Speech for the Actor
   Drama 3341 - Movement Studies II (Series)
   Drama 3600 - Portfolio in Dramatic Arts II
   Drama 4311 - Performance Workshop
   Drama 4312 - Acting for the Camera
   Drama 4600 - Portfolio in Dramatic Arts III

   One of:
     Drama 2420 - Directing: Fundamentals
     Drama 2750 - Dramatic Writing: Fundamentals

   One of:
     Drama 2510 - Theatre for Young Audiences I
     Drama 2710 - Improvisation and Dramatic Process
One of:
- Drama 3030 - Introduction to Film Studies
- Drama 3150 - Theatre Studies Series
- Drama 3870 - History of Costume
- Drama 4211 - Theories of Theatre

Four Drama Electives (12.0 credit hours) including a minimum of two at the 3000/4000 level
Four Electives (12.0 credit hours) from any Faculty

2. Technical/Design Major
Two of:
- Drama 2310 - Acting: Fundamentals
- Drama 2320 - Voice and Speech: Fundamentals
- Drama 2340 - Movement Studies: Fundamentals
- Drama 2510 - Theatre for Young Audiences I
- Drama 2710 - Improvisation and Dramatic Process

Two of:
- Drama 3030 - Introduction to Film Studies
- Drama 3150 - Theatre Studies Series
- Drama 4211 - Theories of Theatre
- Drama 2825 - Introduction to Design for Theatre
- Drama 2830 - Stage Makeup
- Drama 3611 - Technical Theatre Portfolio II
  1Drama 3821 - Technical Theatre Studies (Series)
  1Drama 3821 - Technical Theatre Studies (Series)
  Drama 3845 - Design Techniques
  1Drama 3845 - Design for Theatre: Studio I (Series)
  1Drama 3845 - Design for Theatre: Studio I (Series)
- Drama 3870 - History of Costume
- Drama 4611 - Technical Theatre Portfolio III

Two Drama Electives (6.0 credit hours) at the 3000/4000 level
Seven Electives (21.0 credit hours) from any Faculty

1Technical/Design majors are required to complete at least two distinct offerings in each of Drama 3821 and Drama 3845.

3. Theatre Studies Major
One of:
- Drama 2825 - Introduction to Design for Theatre
- Drama 2830 - Stage Makeup

Six of:
- Drama 2310 - Acting: Fundamentals
- Drama 2320 - Voice and Speech: Fundamentals
- Drama 2340 - Movement Studies: Fundamentals

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/dram_bfa_theatre_studies for a suggested sequencing plan for the Theatre Studies major in the B.F.A. - Dramatic Arts program.

4. B.F.A. - Multidisciplinary
The B.F.A. - Multidisciplinary is based upon a program of courses offered in the Department of Art, Music, and Theatre and Dramatic Arts requiring students to do a major concentration in one area, as well as a selection of courses in each of the other two.
This program emphasizes essential knowledge and skills in Art, Music and Theatre and Dramatic Arts, together with areas of studies offered in other Faculties. It provides excellent preparation for students wishing to pursue professions in Fine Arts related fields such as dramatic arts therapy, administration, performance studies, journalism, musical theatre, recreation, applied theatre arts and technology, arts criticism, design, etc.
This program allows students to choose groups and combinations of courses from within or outside the Faculty of Fine Arts to support and complement the direction or focus they choose. Students accepted into this program must contact the Faculty of Fine Arts Advisor for guidance and information about various options available and the particular routes they decide to follow.
Program Planning Guides for sample programs are available from the Fine Arts Advising Office in W 660.
1. Degree Requirements
   a. Successful completion of 40 courses with a cumulative GPA of at least 2.00.
   b. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
   c. A minimum of 10 courses (30.0 credit hours) at the 3000/4000 level in the Faculty of Fine Arts and/or other Faculties.
   d. Residence requirement: 20 courses, including a minimum of 12 in the Faculty of Fine Arts and the last 10 taken for credit toward the degree.
   e. Courses in Art, Art History/Museum Studies, Drama and Music as follows:
      1. Minimum of 13 courses in a major area.
         a. Art - If the major area is Art, required courses include: Art 2031, Art 2032, and Art History/Museum Studies 1000.
         b. Drama - If the major area is Drama, required courses include: Drama 1000, Drama 2100, Drama 2120, and Drama 2130.
         c. Music - If the major area is Music, required courses include: Music Studio (Music 2140, Music 2248, Music 3348, Music 3448), Music Theory (Music 2160, Music 2161, Music 2260, Music 2261, Music 3360, Music 3361, Music 3460, Music 3461), and History (Music 2180, Music 2280, and at least one of Music 3380 or Music 3480).
      2. Minimum of six courses in a second area. For example, if Music is the major area, the second area must be Art or Drama.
      3. Minimum of three courses in a third area. For example, if the first area is Art and the second area Drama, the third area must be Music.
      Note: In the second and third areas, students may take any combination of courses, including Music Ensemble Activities, providing prerequisites are met.
      f. 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 2.2, Exceeding Course Limits, p. 70).
   d. B.F.A. - Native American Art
      The Bachelor of Fine Arts - Native American Art is offered by the Faculty of Fine Arts. Required courses in the program are offered by the Department of Art and the Department of Native American Studies. Students may choose a major in Art Studio or Art History/Museum Studies, each of which has a Native American Art emphasis. Within a liberal education context, the programs provide the opportunity for intensive instruction in studio production and in art history and museum studies, and for engagement with theoretical and historical discourses related to contemporary art.
      Art Studio courses combine traditional and emerging media, such as drawing, painting, sculpture, computer-based art, audio art, photography, video, printmaking, installation and performance art. Spacious and well-equipped facilities permit students to undertake projects in an environment of expert technical support, creative guidance and critical dialogue. Foundation courses provide an introduction to a diversity of materials and ideas that are expanded upon in upper-level courses. Courses focusing on Native American Art are taught from a First Nations' perspective allowing for a deep engagement with First Nations' studio issues. Senior students are allocated individual studio spaces facilitating independent art production at an advanced level.
      The Art History/Museum Studies program concentrates primarily on nineteenth to twenty-first century European and North American and First Nations' Art History. This degree program is unique in Canada with its combination of history, theory and hands-on museum experience at the undergraduate level. Students intern in regional public art galleries and museums and gain valuable, career-specific skills in the context of the University's renowned teaching collection of over 13,000 objects. Courses taught from a First Nations' perspective on Native American Art history provide an important component of this degree.
      The Visiting Speakers in the Arts Program offered through Art Now and Architecture and Design Now, provides extensive exposure to leading practitioners in the field. With several high-profile visitors every week—including artists, critics, historians and curators—students have a unique learning experience, one that illuminates national and international achievement.
      These programs prepare students to become professional artists or art educators, or for careers in gallery and museum work. They provide a solid base for further studies in Art Studio, Art History, Museum Studies, Media Studies, Art Education, Architecture, Design and related disciplines.
      Students interested in pursuing a B.A. with an Art major or Native American Studies major should refer to the degree requirements listed under Part 7 - Arts and Science, Section 20.f. or x. (p. 111 and p. 129).

1. Degree Requirements
   a. Successful completion of 40 courses (120.0 credit hours) with a cumulative GPA of at least 2.00.
   b. A minimum cumulative GPA of 2.50 in all Art and Art History/Museum Studies courses.
   c. Completion of four courses from each of List I: Social Sciences and List III: Sciences to fulfill the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 11, p. 83).
   d. At least 13 Art and/or Art History/Museum Studies courses (39.0 credit hours) at the 3000/4000 level, and at least 2 Native American Studies courses at the 3000/4000 level.
e. A maximum of five Independent Studies (15.0 credit hours) (see Part 4, Section 3.c, Exceeding Course Limits, p. 70).
f. 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).
g. Residence requirement: 20 courses (60.0 credit hours), including a minimum of 12 offered by the Department of Art of which at least 7 must be at the 3000/4000 level and at least 4 courses offered by the Department of Native American Studies.
h. Completion of a minimum of 21 (63.0 credit hours) Art and Art History/Museum Studies courses and 8 Native American Studies courses for Art Studio majors and a minimum of 18 (54.0 credit hours) Art and Art History/ Museum Studies courses and 9 Native American Studies courses for Art History/Museum Studies (see Part 4, Section 3.c, Exceeding Course Limits, p. 70).

Required Art, Art History/Museum Studies and Native American Studies Courses:

Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)

One of:
- Art 3261 - Art NOW
- Art 3262 - Art NOW

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
Art History/Museum Studies 3240 - Canadian Art History to 1940
Art History/Museum Studies 3250 - Northwest Coast Art
Native American Studies 1000 - Introduction to Native American Studies
Native American Studies 2000 - Native American Philosophy
Native American Studies 2300 - North American Indian Art History and Theory
Native American Studies 2350 - North American Indian Art Studio
Native American Studies 2500 - Canadian Indian History
Native American Studies 3300 - Canadian Indian Art History and Theory

Students must choose either the Art Studio major or the Art History/Museum Studies major listed below:

1. Art Studio Major:
   - Art 3010 - Drawing (Principles and Practices)
   - Art 3040 - Advanced Studio (6.0 credit hours)
   - Art 4048 - Senior Studio (6.0 credit hours)
   - Native American Studies 3350 - North American Indian Art Studio - Advanced

Art Studio: List I

Two of:
- 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 3060 - Media Arts (Introduction to Digital Studio) OR Art 3061 - Media Arts (Video Sketchbook)

Art Studio: List II

Four of:
- 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 3035 - Context and Environment
- Art 3062 - Media Arts (Advanced Digital Studio)
- Art 3160 - Drawing (The Body)

Art History:

One of:
- 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/Museum Studies 3900 - Critical Issues in Museum Studies

Art Elective:

One elective Art or Art History/Museum Studies courses (3.0 credit hours)

Native American Studies Elective:

One elective Native American Studies course (3.0 credit hours)

Three electives (9.0 credit hours) chosen from any Faculty
2. Art History/Museum Studies Major:
   Art History/Museum Studies 2900 - Introduction to Museum Studies
   Art History/Museum Studies 3215 - 20th-Century Art History to 1945
   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/Museum Studies 3900 - Critical Issues in Museum Studies
   Art History/Museum Studies 4000 - Museum Studies Internship
   Art History/Museum Studies 4150 - Art History (Series)

Art Electives:
   Three elective Art or Art History/Museum Studies courses (9.0 credit hours) at the 3000/4000 level

Native American Studies Electives:
   Three Native American Studies courses including at least one at the 3000/4000 level

Four electives (12.0 credit hours) chosen from any Faculty

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/naa_b_studio for a suggested sequencing plan for the Art Studio major in the B.F.A. - Native American Art program.

See www.uleth.ca/ross/sequencing-plans/naa_bfa_ahms for a suggested sequencing plan for the Art History/Museum Studies major in the B.F.A. - Native American Art program.

1. Degree Requirements
   a. Completion of 40 courses (120.0 credit hours) with a cumulative GPA of at least 2.00.
   b. A minimum cumulative GPA of 2.50 in all New Media courses.
   c. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
   d. A minimum of 13 courses (39.0 credit hours) at the 3000/4000 level in Fine Arts (New Media, Art, Drama, Fine Arts or Music).
   e. A maximum of five Independent Studies (15.0 credit hours) (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
   f. 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).
   g. Residence requirement: 20 courses, including a minimum of 12 in New Media of which at least 7 must be at the 3000/4000 level.
   h. 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
      New Media 3010 - Cinematography and Lighting
      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

   e. B.F.A. - New Media
      The rapid advancement and integration of digital and interactive technologies within our culture has radically changed the way we communicate and interact with each other. The B.F.A. - New Media degree was created to meet the present and future need for content creators capable of applying both linear and non-linear strategies to problem-solving situations. By combining traditional art, music, drama practices, theory and criticism with digital and interactive media, the Department of New Media provides students with the skills, knowledge and experience essential for personal and professional excellence and growth in the field of New Media Communication.
      The combination of professional-level technology and in-depth, multidisciplinary investigation makes this New Media program unique. As the industry shifts its focus from a primarily technical workforce to a more intellectually developed, technically diverse talent pool, graduates of the B.F.A. - New Media program will be ready to take on complex professional duties requiring high levels of maturity, intellect and technical proficiency.

One of:
   New Media 3010 - Cinematography and Lighting
   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
Either:
New Media 4651 - Internship (12.0 credit hours)
New Media 4661 - Internship Project (3.0 credit hours)
OR
One of:
New Media 4690 - Advanced Studio (6.0 credit hours)
New Media 4995 - Undergraduate Thesis (6.0 credit hours)
Three New Media electives (9.0 credit hours) at the 3000/4000 level.

Note: New Media 1010 and New Media 2000 may not be counted toward the requirements for a major in New Media but may be counted as electives.

i. Successful 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
Five additional courses from Art and Art History/Museum Studies, Drama, Music, and/or New Media including representation from two disciplines and at least two courses at the 3000/4000 level.

Note: Art and Art History/Museum Studies are both offered by the Department of Art and are considered as one discipline.

j. Five electives (15.0 credit hours) from any Faculty/School.

Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/nmed_bfa for a suggested sequencing plan for the B.F.A. - New Media program.

2. Honours Thesis' Designation
Qualified students in the Bachelor of Fine Arts - New Media program may elect to complete an Undergraduate Thesis course (6.0 credit hours). Students who complete all requirements and satisfy the academic standards required for the Undergraduate Thesis course are eligible to receive the 'Honours Thesis' designation on their official transcript and degree parchment.

The B.F.A. - New Media Undergraduate Thesis course is New Media 4995. (See Part 14 - Courses for details.)

a. Prerequisites
Prospective 'Honours Thesis' candidates in the B.F.A. - New Media must meet the prerequisites as indicated for New Media 4995. (See Part 14 - Courses for details.)

b. Supervisory Committee
For each prospective 'Honours Thesis' candidate, a Supervisory Committee will be established. The Supervisory Committee, approved by the New Media Department will consist of the Thesis Supervisor from the New Media Department and a minimum of one other reader, who may be from outside the New Media Department.

c. Initial Approval
1. The prospective student must present a Thesis Proposal to be approved by the Supervisory Committee prior to registration for the course.

2. The Supervisory Committee will establish at the outset the weighting of the studio (if applicable), written and oral components of the Thesis, as well as the procedure for determining the final grade.

3. Subsequent changes to the approved Thesis Proposal must be approved by the Supervisory Committee.

4. The prospective student must submit an unofficial transcript for review by the Supervisory Committee.

5. Admission to the course is achieved through approval of the Supervisory Committee and the New Media Department, endorsed by the Dean whose signature indicates that the necessary resources are available for the project.

6. The student must register for the Undergraduate Thesis course by the last day for course Add/Drop for the given fall/spring semester or summer session.

d. Final Assessment
The final assessment for the undergraduate thesis is based on two criteria:

1. Studio and/or Written Component
The Undergraduate Thesis must be a sustained piece of supervised research demonstrating a superior level of artistic and/or academic ability on a matter approved by the Supervisory Committee prior to registration in the course.

The thesis should be of high quality and made publicly available by the New Media Department.

2. Oral Component
The student will be required to make a formal oral presentation demonstrating the ability to articulate clearly the nature of the project undertaken, the research methodology and the results of the project. This component is a demonstration of the student’s competence in oral communication and not necessarily an oral defence of the thesis, unless so specified by the New Media Department.

e. Eligibility for 'Honours Thesis' Designation
Students are eligible to receive the 'Honours Thesis' designation on their official transcript and degree parchment only if they achieve a minimum grade of ‘B+’ (3.30 or higher) for the Undergraduate Thesis course, and have satisfactorily completed the required oral component. Students who achieve grades between ‘D’ and ‘B’, inclusive, and/or do not complete the oral component will retain credit
for the equivalent of two courses (6.0 credit hours) but will not be eligible for the ‘Honours Thesis’ designation.

Inquiries about the ‘Honours Thesis’ option should be directed to the New Media Department. Please refer to Part 4 - Academic Regulations, Section 2.f. (p. 71) for more information on the ‘Honours Thesis’ designation.

3. Minors in the B.F.A. - New Media

B.F.A. - New Media students may elect to complete a minor in one of the following six areas: First Nations Governance, General Management, Information Systems, International Management, Marketing, or Social Responsibility. For students who complete all of the requirements, the specific minor will be acknowledged on the official transcript.

a. First Nations Governance minor

The five courses required for the minor in First Nations’ Governance include:

**Required Courses:**
- Native American Studies 1000 - Introduction to Native American Studies
- Native American Studies 2300 - North American Indian Art History and Theory

**Three of the following:**
- Native American Studies 2100 - Aboriginal Peoples and Law
- Management 3500/Native American Studies 3250 - Financial Management in Aboriginal Communities
- Management 3506/Native American Studies 3506 - Aboriginal Small Business and Entrepreneurship in Canada
- 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

b. General Management minor

The five courses required for the minor in General Management include:

**Five of:**
- Management 2030 - Introduction to Organizational Behaviour
- Management 2100 - Introductory Accounting
- Management 2020 - Marketing
- 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
- A Management elective

c. Information Systems minor

The five courses required for the minor in Information Systems include:

**Required Courses:**
- Computer Science 1620 - Fundamentals of Programming I
- Management 3830 - Contemporary Database Applications

**Three of:**
- Management 3061 - Information Systems and Management
- Management 3821 - Visual Programming Applications
- Management 3822 - Object Oriented Programming for Web Applications
- Management 3862 - E-commerce Management
- Management 3920 - Project Management
- Management 4840 - Systems Analysis

d. International Management minor

The five courses required for the minor in International Management include:

**One of:**
- Management 3640 - Cross-Cultural Management Practices
- Management 3650 - Introduction to International Management

**International Exchange Semester:**
Participation in an international exchange semester is required. Students complete Management 3640 or Management 3650 at the University of L and then complete the equivalent of four courses while on exchange at a partner school. Students have the option to take two summer exchanges in two different countries, or one summer exchange and the Cross-Cultural Work Study if they cannot participate in a full-semester exchange. Where possible, courses completed while on exchange will have international content; where international content is not possible, courses should reflect the unique cultural aspects of the host country or region.
- At least two courses must be Management courses
- One course may be a language or culture course
- One course may be a non-Management elective

e. Marketing minor

The five courses required for the minor in Marketing include:

**Note:** The minor in Information Systems for Management programs has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).
**Required Course:**
Management 2020 - Marketing

**Four of:**
1. Management 3210 - Consumer Behaviour
2. Management 3215 - Introduction to Marketing Communications and Social Media
3. Management 3220 - Marketing Research
4. Management 3240 - Sales Management
5. Management 3260 - Not-for-Profit Marketing
6. Management 3806 - Small Business Management
7. Management 3850 - Selected Topics in Management (with an emphasis in Marketing)
8. Management 3862 - E-commerce Management

**f. Social Responsibility minor**
The five courses required for the minor in Social Responsibility include:

**Required Courses:**
1. Management 1000 - Introduction to Management
2. Management 3710 - Managing Not-for-Profit Organizations

**Three of:**
1. Management 3250 - Social Marketing
2. Management 3260 - Not-for-Profit Marketing
3. Management 3315 - Diversity in Employment
4. Management 3552 - Sustainable Tourism Management
5. Management 3640 - Cross-Cultural Management Practices
6. Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
7. Management 3980-3981 - Applied Studies/Field Experience (with a not-for-profit organization)
8. Management 4390 - Leading Organizational Change
9. Management 4580 - Environmental Management
10. Management 4640 - Cross-Cultural Work Study

*Students should be aware that many of the courses have a number of prerequisites which will require taking courses extra to their minimum degree requirements. Students are strongly advised to discuss their programs with an Academic Advisor early in their programs.*

*Although Management 3806 has no prerequisites, it is normally taken by Management students in their final year. B.F.A. students choosing to complete this course are advised to take it as the fifth and final course in their minor.*

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**f. B.Mus.**
The Department of Music offers courses within four basic subject areas: History and Literature, Theory and Composition, Applied Music Studies (Studio courses, Ensemble Activity courses, Conducting), and Digital Audio Arts. All Music courses are available to any student provided that he/she can comply with the prerequisites listed in Part 14 - Courses of this Calendar. Entrance to the studio sequence is dependent upon the results of audition and is subject to the availability of instructors.

The B.Mus. with a major in Music is a 'general' Music degree that provides students with a balanced curriculum of scholarly, theoretical and applied performance studies. The B.Mus. with a major in Digital Audio Arts integrates technology courses with the core curriculum of the general Bachelor of Music degree, but students may also draw from curricula in other disciplines. Students in both majors are encouraged to pursue their individual interests through electives and the General Liberal Education Requirement of the program.

Students intending to pursue a B.Mus. should note that courses in the subject area of theory and studio are sequential in nature. Additionally, many theory and history courses core to the B.Mus. are currently offered only once per calendar year. Prospective B.Mus. students are advised to begin their theory studies (Music 2160 and Music 2161) in their first fall semester at the University in order to permit the completion of the degree within a four-year period. While all B.Mus. students with a major in Music should begin the studio sequence (Music 2148) in their first semester at the University, composition students must begin Studio I in the fall semester.

Students interested in pursuing a B.A. with a Music major should refer to the degree requirements listed under Part 7 - Arts and Science, Section 15.w. (p. 128).

1. **Degree Requirements**
   a. Successful completion of 40 courses (120.0 credit hours) with a cumulative GPA of at least 2.00.
   b. A minimum cumulative GPA of 2.50 in all Music courses.
   c. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
   d. A maximum of five Independent Studies (15.0 credit hours) (see Part 4, Section 2c, Exceeding Course Limits, p. 70).
   e. Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses, including ensembles, 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 2c, Exceeding Course Limits, p. 70).
   f. Residence requirement: 20 courses, including a minimum of 12 in Music of which at least 7 must be at the 3000/4000 level.
   g. Completion of a minimum of 30 Music and Music Ensemble Activity courses (90.0 credit hours).

**Required Music Courses:**

**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
1 Music 2161 - Musicianship Skills I
Music 2260 - Theory II
1 Music 2261 - Musicianship Skills II
Music 3360 - Theory III
1 Music 3361 - Musicianship Skills III
Music 3460 - Theory IV
1 Music 3461 - Musicianship Skills IV
Music 3660 - Theory V
1 1.5 credit hours

Students must choose either the Music major or the Digital Audio Arts major listed below:

1. Music Major
   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)
   Music 4748 - Studio VII - (Instrument)
   Music 4848 - Studio VIII - (Instrument)

   One of (3.0 credit hours):
   Music 3000 - Seminar in Music (Series) with an emphasis in Pedagogy
   Music 3000 - Seminar in Music (Series) with an emphasis in Literature
   Music 3500 - Conducting I
   Music 3600 - Conducting II
   Music 3734 - Portfolio and Music Industry
   Music 3871 - Opera Workshop I
   Music 4871 - Opera Workshop II
   Up to two Music Ensemble Activity courses (1.5 credit hours each)

   History
   Two of (6.0 credit hours):
   Music 3000 - Seminar in Music (Series) with an emphasis in History
   Music 3721 - World Music
   Music 4721 - Canadian Music

   Theory
   Music 4660 - Form and Analysis

   One of (3.0 credit hours):
   Music 3000 - Seminar in Music (Series) with an emphasis in Theory
   Music 3149 - Composition I
   Music 3249 - Composition II
   Music 3606 - Orchestration

   Two Music electives from the optional Applied, History, and Theory courses listed above
   Six Music Ensemble Activity courses (each Music Ensemble Activity counts as one-half course)

   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 W ind Orchestra
   Studio voice       University Singers or Women's Chorus
   Studio pianist & guitarist M usic 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 M usica
   W ind 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
   W ind 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.

   Electives
   Two courses from any Faculty.

2. Digital Audio Arts Major
   Applied
   Music 2181 - Acoustics
   Music 2510 - Introduction to Digital Audio
   Music 2550 - Audio Production Techniques
   Music 3612 - Interactive Computer Music Performance and Production
   Music 3670 - Audio Synthesis
   Music 3734 - Portfolio and Music Industry
Music 3735 - Electronics for Music Applications
Music 4749 - Applied Research in Digital Audio Arts I
Music 4849 - Applied Research in Digital Audio Arts II

**Music Ensemble Activities**

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

**Digital Audio Arts Electives**

8 courses (24.0 credit hours) chosen from the following:

- Music 2149 - Second-Study Studio I (1.5 credit hours)
- Music 2249 - Second-Study Studio II (1.5 credit hours)
- Music 3000 - Seminar in Music (Series)
- Music 3149 - Composition I
- Music 3249 - Composition II
- Music 3630 - Advanced Audio Production Techniques
- Music 3650 - Location Recording and Production
- Music 3738 - Systems for Computer Assisted Education
- Music 3850 - Topics in Music (with approval of the Music Department)
- Music 4600 - Data Structures and Algorithms
- Music 4632 - Programming for Music Applications
- Music 4633 - Music Software Design
- Music 4636 - Scoring for Film and Digital Media
- Music 4637 - Audio Spatialization Techniques
- Music 4850 - Topics in Music (with approval of the Music Department)
- Music Ensemble Activity 3352 - Contemporary and Electroacoustics Ensemble I (1.5 credit hours)
- Music Ensemble Activity 3452 - Contemporary and Electroacoustics Ensemble II (1.5 credit hours)
- Music Ensemble Activity 4352 - Contemporary and Electroacoustics Ensemble III (1.5 credit hours)
- Music Ensemble Activity 4452 - Contemporary and Electroacoustics Ensemble IV (1.5 credit hours)

**Electives**

Two courses from any Faculty

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2. **Double Major in Digital Audio Arts and Music**

Although the Faculty of Fine Arts does not recognize double majors as official student programs leading toward the B.Mus. degree, it will authorize the designation of the double major for all students who, upon graduation, have completed all of the minimum requirements for both the Digital Audio Arts and Music majors.

Completion of a double major in Digital Audio Arts and Music would require a minimum of 51 courses (153.0 credit hours). The Faculty cannot guarantee that course sequencing and timetables will accommodate the double major combination within a minimum number of regular semesters of work. While students may intend to pursue two majors, only one major will be recognized on their official program forms and for establishing priority in access to courses. Double major status will only be designated upon application for graduation.

Interested students are encouraged to consult with Academic Advisors regarding the double major as early as possible in their academic programs.

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3. **Studio Audition Procedure**

Studio Course instruction is available in piano, voice, strings, guitar, woodwinds, brass, percussion and composition.

**Fall Semester:** Instrumental and vocal auditions for the fall semester are held in March and May. Although a live audition is preferred, it is possible to send a videotape/DVD, which must be received by June 15.

**Spring (January) Semester:** Instrumental and vocal auditions are on the last day of classes in December. Although a live audition is preferred, it is possible to send a videotape/DVD, which must be received by November 15.

**Note:** Some Entrance Scholarships are available based on live auditions and completing the appropriate scholarship application form by the deadline (Early entrance - March 1; Others - June 1).

Audition dates and more audition information:

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

Audition application:

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

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

Students who wish an emphasis in composition must:

a. successfully complete an instrumental or vocal audition at the entry level for Music 2148 - Studio I - (Instrument), and

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

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Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/musi_bmus for a suggested sequencing plan for the Music major in the B.Mus. program.

See www.uleth.ca/ross/sequencing-plans/musi_bmus_daa for a suggested sequencing plan for the Digital Audio Arts major in the B.Mus. program.
Late auditions will be granted under extenuating circumstances, but admission to Studio classes is not guaranteed after the audition deadline.

Once enrolled in studio, students must achieve a minimum grade of 'C' in order to be eligible for the subsequent course in their studio sequence (Studio II-VIII). Should a grade below 'C' be earned, advancement to the next studio will be based upon the results of a mandatory audition.

Studio courses may not be repeated for the purposes of grade replacement except in the case where a student has previously earned an 'F' (an audition for re-entry to the studio sequence is required).

Students who withdraw from a Studio course are required to audition for re-entry to the studio sequence. Students absent from Studio courses for two or more consecutive semesters and who wish to resume Studio courses, are required to audition for re-entry to the studio sequence.

Practice facilities are available to Studio course registrants. Detailed information concerning audition requirements and Studio course procedures may be obtained from the Department of Music.

4. Additional Information

Ensemble Activities include the University Singers, Women's Chorus and Vox Musica chorale ensembles; the University Wind Orchestra; Collaborative Piano/Guitar; Ochestra; Jazz Ensemble; Percussion Ensemble; Electro-acoustic Ensemble; Chamber Ensembles; and Collegium Musicum. Ensemble Activity courses carry a 1.5 credit hour weight (one-half course credit). Ensemble Activity courses may be taken for credit by any student but are also available to all qualified students on a non-credit basis. In addition to the six required Ensemble Activity courses listed in the degree requirements, B.Mus. degree students may credit a maximum of four Ensemble Activity courses (6.0 credit hours) toward their degree (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).

The Department of Music presents numerous recitals for the general public including Ensemble Concerts and numerous other musical events and lectures. Contact the University Theatre Box Office or the Department of Music for further details.

g. Post-Diploma Degree Program (Admission after a Two-Year Diploma)

A minimum of 20 courses (60.0 credit hours), at least 12 of which are in the discipline: Art and Art History/ Museum Studies for the B.F.A. - Drama for the B.F.A.
- Dramatic Arts or Music for the B.Mus. A grade point average of at least 2.00 must be maintained at all times.

1. Program Requirements
   a. A minimum cumulative GPA of 2.50 in all courses in the Fine Arts discipline.
   b. Completion of the General Liberal Education requirement. Courses from the Diploma may be used toward this requirement. Contact an Academic Advisor in the Faculty of Fine Arts for detailed information (see Part 4 - Academic Regulations, Section 10, p. 83).
   c. A minimum of 10 courses at or above the 3000 level.
   d. Not more than three Independent Study courses may be taken for credit toward the degree (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
   e. The entire program must be approved in advance by an Academic Advisor in the Faculty of Fine Arts.
   f. Residence requirement: 15 courses.

2. Course Requirements

All current specified course requirements for the B.F.A. or B.Mus. will apply. Courses from the diploma program may apply. Depending on the content of the diploma presented, students will be required to complete a 20-course subset of the courses required for the four-year degree program. These courses are referenced below:

a. Required Art and Art History/Museum Studies Courses:
   See Section 7.a.1.h. (p. 174).

b. Required Drama Courses:
   See Section 7.b.1.h. (p. 178).

c. Required Music Courses:
   See Section 7.e.1.g. (p. 185).

h. Post-Diploma Degree Program (Admission after a Three-Year Diploma)

A minimum of 15 courses (45.0 credit hours), at least eight of which are in the discipline: Art and Art History/ Museum Studies for the B.F.A. - Drama for the B.F.A.
- Dramatic Arts or Music for the B.Mus. A grade point average of at least 2.00 must be maintained at all times.

1. Program Requirements
   a. A minimum cumulative GPA of 2.50 in all courses in the Fine Arts discipline.
   b. Completion of seven courses from the Social Sciences and Sciences to fulfill the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83):
      1. Two courses from each of List II - Social Science Courses and List III - Science Courses.
      2. Three additional courses from either of these two areas.
   c. A minimum of eight courses at or above the 3000 level.
   d. Not more than three Independent Study courses may be taken for credit toward the degree (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
   e. The entire program must be approved in advance by an Academic Advisor in the Faculty of Fine Arts.
   f. Residence requirement: 15 courses.

2. Course Requirements

All current specified course requirements for the B.F.A. or B.Mus. will apply. Courses from the diploma program may apply. Depending on the content of the diploma presented, students will be required to complete a 15-course subset of the courses required for the four-year degree program. These courses are referenced below:
a. Required Art and Art History/Museum Studies Courses:
   See Section 7.a.1.h. (p. 174).

b. Required Drama Courses:
   See Section 7.b.1.h. (p. 178).

c. Required Music Courses:
   See Section 7.e.1.g. (p. 185).

i. Post-Diploma B.F.A. - Multidisciplinary Degree Program (Admission after a Two- or Three-Year Diploma)

   A minimum of 20 courses, at least 12 of which are in the discipline (Art, Art History/Museum Studies, Drama, or Music). A GPA of at least 2.00 must be maintained at all times.

   1. Program Requirements
      a. Completion of seven courses from the Social Sciences and Sciences to fulfill the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83):
         1. Two courses from each of List II - Social Science Courses and List III - Science Courses.
         2. Three additional courses from either of these two areas.
      b. A minimum of 10 courses at or above the 3000 level. Courses from the diploma may be used toward the requirement.
      c. Not more than three Independent Study courses may be taken for credit toward the degree (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
      d. The entire program must be approved in advance by an Academic Advisor in the Faculty of Fine Arts.
      e. Residence requirement: 20 courses.

   2. Course Requirements
      All current specified course requirements for the B.F.A. - Multidisciplinary will apply. Courses from the diploma program may apply. Depending on the content of the diploma presented, students will be required to complete a 20-course subset of the courses required for the four-year degree program. These courses are referenced below:
      See Section 7.c.1.e. (p. 180).
      Note: Students must select, as their major area, the discipline that corresponds to their diploma. For example, if a student completed a diploma in Music, then Music must be the major area for the Post-Diploma B.F.A. - Multidisciplinary.

j. B.F.A. - Art/B.Ed.
   See Part 13 - Combined Degrees, Section 4 (p. 251).

k. B.F.A. - Dramatic Arts/B.Ed.
   See Part 13 - Combined Degrees, Section 5 (p. 254).

l. B.F.A. - New Media/B.Ed.
   See Part 13 - Combined Degrees, Section 6 (p. 256).

m. B.Mus./B.Ed.
   See Part 13 - Combined Degrees, Section 7 (p. 258).

   See Part 13 - Combined Degrees, Section 10 (p. 281).

   See Part 13 - Combined Degrees, Section 10 (p. 281).

p. Post-Diploma B.Mus./B.Ed.
   See Part 13 - Combined Degrees, Section 10 (p. 281).

q. B.F.A. - New Media/B.Mgt.
   See Part 13 - Combined Degrees, Section 12 (p. 287).

r. B.F.A. or B.Mus. After an Approved Degree

   Students with previous approved degrees may pursue the degree Bachelor of Fine Arts - Art, Bachelor of Fine Arts - Dramatic Arts, Bachelor of Fine Arts - Multidisciplinary, Bachelor of Fine Arts - Native American Art, Bachelor of Fine Arts - New Media, or Bachelor of Music.

   Requirements:
   A student may complete the B.F.A. or B.Mus. after an approved degree by meeting the following requirements:
   1. Residence Requirement: All courses in the second degree program must be completed at the University of Lethbridge.
   2. Approval: The entire program must be approved in advance by the Dean.
   3. Total Program: A minimum of 20 courses after admission to the second degree program.
   4. Academic Standards: A cumulative GPA of at least 2.50 in the fine arts discipline(s), and an overall cumulative GPA of at least 2.00 must be maintained at all times.
   5. General Liberal Education Requirement: Six courses, two from each of List I, List II, and List III (see Part 4 - Academic Regulations, Section 10, p. 83). Courses earned towards a previous degree may be used to meet this requirement.
   6. Course Level: A minimum of 10 courses at or above the 3000 level.
   7. Independent Study: Not more than three Independent Study courses may be taken for credit toward the degree.
   8. Fine Arts Course Requirements:
      a. A minimum of 15 courses in the fine arts discipline.
      b. All current required courses, including electives, in the fine arts discipline must be completed.
      c. Credit earned towards a previous degree may be used to determine the requirements for the second bachelor's degree.

   Note: The length of a second degree program may vary due to the sequencing of required courses in the chosen fine arts discipline.
9. ART GALLERY
The University of Lethbridge Art Gallery maintains the Art Collection; organizes on-campus and touring exhibitions for the entire campus and the general public; and provides research access to the collection to the Faculty of Fine Arts. The Collection is one of the most significant in Canada with over 13,000 objects including work from Canada, America, and Europe as well as media ranging from drawing, printmaking, and painting to photography, sculpture, and installation. The majority of works span the 19th and 20th centuries, but we have earlier periods and continue to grow with 21st-century additions.

The Gallery programs are an integral part of the teaching program in the Department of Art. The collection was founded with the goal of providing students with an experience of original works of art on their own terms. Students have incomparable opportunities for research access to works in the collection and to information associated with these works. Students and faculty are able to view individual works on request.

10. UNIVERSITY THEATRES
The Faculty of Fine Arts has four performance spaces in the Centre for the Arts; the University Theatre, Recital Hall/Film Theatre, the David Spinks Theatre and the Drama Studio. The University Theatre is a 450 seat fully-equipped proscenium theatre, while the Recital Hall/Film Theatre is a smaller venue ideally suited for music concerts, lectures and films. The David Spinks Theatre is a completely equipped black box theatre with flexible seating for approximately 220 and the Drama Studio is a smaller version of the Spinks Theatre.

All four of the performance spaces are prime teaching facilities of the Departments of Theatre and Dramatic Arts and Music. Visiting artists complement and support the programs of the Faculty and of the University as a whole.

11. CONSERVATORY OF MUSIC
The University of Lethbridge Music Conservatory offers non-credit individual and group instruction to students of all ages and ability levels. The Conservatory Program offers instruction in piano, voice, strings, guitar, woodwinds, brass and percussion. Classes are also offered in theory and history. Ensemble Activities include chamber music, string orchestras, world drumming, as well as choirs.

Prospective students should contact the Conservatory at tel. 403-329-2304 for information on programs, instructor availability and placement. Returning students may contact Recreation Services directly for registration (PE209; tel. 403-329-2706). Students are accepted for registration at any time during the fall, winter and spring/summer sessions, provided space is available.

a. Music Conservatory Fees
   Fees based on number of weeks study. Please visit the website for current fees www.uleth.ca/music-conservatory/private-instruction.

b. Theory Program
   An opportunity for preparation for ‘standard’ examination systems will be available as the courses will align with the requirements prescribed by the Royal Conservatory of Music and Western Board of Music for completion of their programs.

c. Music Ensemble Activity Fees
   Please visit the website for current fees www.uleth.ca/music-conservatory/ensembles-group-lessons
Part 10

FACULTY OF HEALTH SCIENCES

1. GENERAL PHILOSOPHY........................................ 191
   a. The Faculty of Health Sciences bases its statement of philosophy upon that of the University. In so doing, it:
      1. Accepts the need for, and promotes a liberal education.
      2. Seeks to achieve openness, flexibility and innovation in its programs and in its relationship with various communities.
      3. Promotes the development of life-long learning while fostering a spirit of inquiry and the critical interpretation of ideas.
      4. Encourages students to participate in all phases of university life and encourages the highest degree of interaction between student and faculty.
      5. Encourages close relationships with the local community as well as the wider provincial, national and international communities.
      6. Protects the right, for students and faculty, of free expression and communication of ideas, and expects that they will assume responsibility for such action.

2. ADVICE AND INFORMATION
   a. General
      The Faculty welcomes both part-time and full-time students, however, it recommends, and sometimes requires, attending as a full-time student for at least a portion of the program. It is recognized that many students are working on a full- or part-time basis and students are encouraged to consider very carefully their paid workload as they plan their program of study. The Faculty will not modify its course requirements in consideration of the work status of its students.
      Attendance at the program-specific orientation sessions is mandatory. These sessions cover topics important to all students and afford students an opportunity to raise questions, seek information and meet other students and faculty.
   b. Academic Advising
      New and returning students should obtain advice and information from an Academic Advisor as early as possible. Academic advice may be obtained at any time during the year, but it is recommended that new students consult an Academic Advisor during the weeks prior to registration. This advice may include information about:
      1. All aspects of program planning.
      2. Applications for Incomplete and Withdrawals with Cause.
      3. Academic regulations and degree requirements.
      4. Readmission.
      Students must obtain the approval of an Academic Advisor in the Faculty of Health Sciences for:
      1. Authorized study at other universities or colleges.
      2. Authorization for an Independent and/or Applied Study.
3. ADMISSION

a. Bachelor of Nursing

The Bachelor of Nursing is a collaborative program offered by the University of Lethbridge and Lethbridge College. New applicants must apply directly to the University of Lethbridge. Newly admitted students will register in and attend courses at Lethbridge College for the first two years of the program. For the final two years of the program, students will register in and attend courses at the University of Lethbridge.

1. Admission to the Bachelor of Nursing program 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.)
   a. High School
   b. Transfer Student
   c. Adult Student (Mature) Admission

2. Admission Requirements

   a. High School and Transfer Student applicants must have satisfactory completion of the following Alberta high school courses or equivalents (see Part 1 - Admission, Section 3.a.1, p. 28):
      - English Language Arts 30-1 (minimum of 60%)
      - Biology 30
      - Chemistry 30
      - Mathematics 30-1, Mathematics 30-2 or Pure Mathematics 30
      - A Fifth Course (not including Special Projects) at the Grade 12 level (see p. 28)

   Note: Admission is competitive and the Faculty of Health Sciences reserves the right of selection of all students for admission and readmission to the program on the basis of academic qualifications.

   Competitive marks will be based on the average of grades in the five courses listed above. (Transfer students may have a minimum 3.0 credit hour university-level course mark in the same discipline used in place of the high school mark, if it is more advantageous. The fifth course may be substituted for any minimum 3.0 credit hour university-level course (see Section 3.b.1)).

   b. Adult Students (Mature) applicants must have satisfactory completion of the following Alberta high school courses or equivalents: English Language Arts 30-1 (minimum grade of 60%), Biology 30, Chemistry 30, and Pure Mathematics 30, Mathematics 30-1 or Mathematics 30-2, and will be required to submit the following:
      1. A letter of intent, describing the nature of previous experience as it relates to nursing and the reason for pursuing nursing.
      3. A resume detailing relevant work, volunteer and life experience.

   All applicants may be invited to an interview.

4. Readmission to B.N. program

   Those applying for readmission to the Bachelor of Nursing program must submit a letter of intent at the time of application (see www.uleth.ca/healthsciences/intent).

5. Applicants transferring from another B.N. program

   Those transferring from another Bachelor of Nursing program must submit a letter of intent at the time of application (see www.uleth.ca/healthsciences/intent).

6. Application and Document Deadlines

   Applications must be received by March 1 for consideration for admission to the subsequent fall semester.

   Students are strongly advised to arrange for documents to be sent to the University at the time of application. To be considered, applicants must have submitted both interim or unofficial transcripts and mid-term mark statements (for any high school or college courses in progress) to the University by April 1. All documents accompanying the application should be received by June 15 for post-secondary applicants and August 15 for high school applicants (see Part 1 - Admission, 2015/2016 Undergraduate Application and Document Deadlines, p. 27).

   Students currently studying in high school should follow the procedures for Early Admission (see Part 1 - Admission, Section 3.a.3, p. 30).

7. Newly admitted students must provide the following documents by Orientation Day of the first year:

   a. A specific schedule of immunization (forms provided by the Faculty of Health Sciences). Immunizations must be renewed as required in each year of the program.

   b. Evidence of a current CPR-HCP (Cardiopulmonary Resuscitation at the Health Care Provider Level) certificate. Students must have current CPR-HCP certification before entering a clinical setting.

   c. Current criminal record check (or equivalent). Renewal of a criminal record check may be required at the discretion of faculty or staff of partnering agencies. See Section 7.g. Internship and Practicum Placements (p. 198).

   Note: Students will not be allowed to enter clinical practica if they do not provide these documents.

   All students will be required to have face masks fitted prior to clinical placements. This procedure will occur during the first month of classes.

8. Spoken English Language Proficiency Requirement (SELP)

   See Section 3.g. (p. 196).
b. Bachelor of Nursing After an Approved Degree

1. Admission to the Bachelor of Nursing After Degree (B.N. After Degree) program may be gained by presentation of an approved baccalaureate degree comprising at least 90.0 credit hours or equivalent from a post-secondary institution recognized by the University of Lethbridge.

Note: The Faculty of Health Sciences reserves the right of selection of all students for admission and readmission to the Faculty.

2. The following courses are required for admission:
   a. Human Anatomy and Physiology, six credit hours (two semester courses);
   b. Microbiology, three credit hours (one semester course);
   c. Statistics, three credit hours (one semester course); and,
   d. Fine arts or humanities courses, six credit hours (two semester courses) (See List I: Fine Arts and Humanities Courses, p. 84); and,
   e. Social science courses, six credit hours (two semester courses) (See List II: Social Science Courses, p. 85).

Note: Human Anatomy and Physiology, Microbiology and Statistics must be completed within 10 years prior to the term of admission.

3. Competitive admission
   Admission will be granted on a competitive basis using a Grade Point Average (GPA) calculated using Human Anatomy and Physiology (6.0 credit hours), Microbiology (3.0 credit hours), Statistics (3.0 credit hours) and the semesters containing the most recent additional 16 university-level courses (48.0 credit hours).

4. Readmission to B.N. After Degree program
   Those applying for readmission to the Bachelor of Nursing After Degree program must submit a letter of intent at the time of application (see www.uleth.ca/healthsciences/intent).

5. Applicants may be invited to attend an interview.

6. Newly admitted students are required to provide the following documentation to the Faculty of Health Sciences Office. Students must provide the correct information by using the forms provided by the Faculty of Health Sciences.
   a. A specific schedule of immunization (forms provided by the Faculty of Health Sciences). Immunizations must be renewed as required in each year of the program.
   b. Evidence of a current CPR-HCP (Cardio Pulmonary Resuscitation at the Health Care Provider Level) certificate. Students must have current CPR-HCP certification before entering a clinical setting.
   c. Current criminal record check (or equivalent) no older than 90 days from the start of the program. Renewal of a criminal record check may be required at the discretion of faculty or staff of partnering agencies. See Section 7.g. Internship and Practicum Placements (p. 198).

Note: Students will not be allowed to enter clinical practica if they do not provide these documents.

   d. All students will be required to have N95 respirators fitted prior to clinical placements. This procedure will occur during the first month of classes.

7. Application and Document Deadlines
   Applications must be received by March 1 for consideration for admission to the subsequent fall semester.

   Applicants are strongly advised to arrange for documents to be sent to the University at the time of application. All interim or unofficial transcripts and any other required documents must be received by April 1. All final official documents accompanying the application must be received by June 15 (see Part 1 - Admission, 2015/2016 Undergraduate Application and Document Deadlines, p. 27).

   Note: If the program quota is not filled by applications received by March 1, applications received by the following April 1 will be considered.

8. Spoken English Language Proficiency Requirement (SELP)
   See Section 3.g. (p. 196).

c. Bachelor of Health Sciences

1. Aboriginal Health
   a. Admission to the Aboriginal Health major in the Bachelor of Health Sciences program 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
         - Mathematics 30-1, Mathematics 30-2 or Pure Mathematics 30
         - One additional 30-level Academic Courses (see p. 28)
         - A Fifth Course (not including Special Projects) at the Grade 12 level (see p. 28)

      c. An interview may be required for applicants seeking Adult (Mature) Admission.
      d. Spoken English Language Proficiency Requirement (SELP)
         See Section 3.g. (p. 196).
2. Addictions Counselling
   
a. Admission to the Addictions Counselling major in the Bachelor of Health Sciences program 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. Any student graduating from an addictions certificate program is eligible for consideration for admission as a transfer student, where the certificate is evaluated on a course-by-course basis under current transfer credit policy. Students from Medicine Hat College who completed the Addictions Counselling Diploma, or the first two years of the Addictions Counselling University Transfer program are eligible for admission into the start of the third year. Students holding approved diplomas in addictions counselling or related areas may be eligible for admission into the Addictions Counselling major in the Post-Diploma Bachelor of Health Sciences (see d. Post-Diploma Bachelor of Health Sciences below).

3. Adult (Mature) Admission. Applicants who do not have Biology 30 or Chemistry 30 will be considered for admission on a case-by-case basis (contact an academic advisor in the Faculty of Health Sciences).

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 or Chemistry 30
   Two additional 30-level Academic Courses (see p. 28)
   A Fifth Course (not including Special Projects) at the Grade 12 level (see p. 28)

2. All applicants must submit an Admission Statement to the Admissions Office.

Addictions Counselling Admission Statement

The mandatory Admission Statement provides the Faculty of Health Sciences with the experience, inspirations, and goals of applicants to the Addictions Counselling program.

The Admission Statement form is available at www.uleth.ca/healthsciences/statement

Admission Statements must be received by the Admissions Office by June 1.

Submit Admission Statement:
By Email: admissions@uleth.ca
By Fax: Fax: 403-329-5159
By Mail:
Addictions Counselling Admission Statement
Admissions Office
University of Lethbridge
4401 University Drive
Lethbridge, AB T1K 3M4

Note: Since the number of qualified applicants can exceed the number of places available, fulfillment of the minimum academic or statement requirements does not guarantee admission to the Addictions Counselling major in the B.H.Sc. The process is competitive and the Faculty of Health Sciences reserves the right of selection of all students for admission and readmission to the Faculty.

c. Application and Document Deadlines

Applications and Admission Statements must be received by June 1 for consideration for admission to the subsequent fall semester. Students are strongly advised to arrange for documents to be sent to the University at the time of application. Documents supporting the application (including final, official transcripts) must be submitted by June 15 for post-secondary applicants and August 15 for high school applicants (see Part 1 - Admission, 2015/2016 Undergraduate Application and Document Deadlines, p. 27).

Students currently studying in high school should follow the procedures for Early Admission (see Part 1 - Admission, Section 3.a.3, p. 30).

d. Spoken English Language Proficiency Requirement (SELP)

See Section 3.g. (p. 196).
3. Public Health
   a. Admission to the Public Health major in the Bachelor of Health Sciences program 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)
   c. Spoken English Language Proficiency Requirement (SELP)
      See Section 3.g. (p. 196).
   d. Post-Diploma Bachelor of Health Sciences
      1. Addictions Counselling
         a. Direct Entry
            1. Requirements for admission to the Addictions Counselling major in the Post-Diploma Bachelor of Health Sciences (Direct Entry) program:
               a. Completion of the Drug and Alcohol Counsellor Diploma program at Fleming College with a minimum cumulative grade point average of 3.00 in the diploma program.
            OR
               b. Subject to permission of the Dean of Health Sciences, completion of an approved college diploma in Addictions Counselling, or a related discipline, with a cumulative grade point average of 3.00 (or equivalent).
      b. Extended
         1. Requirements for admission to the Addictions Counselling major in the Post-Diploma Bachelor of Health Sciences (Extended) program:
            a. Completion of the Child and Youth Care Diploma program at Lethbridge College, with a cumulative grade point average of 3.00 (or equivalent).
            OR
               b. Subject to permission of the Dean of Health Sciences, completion of an approved college diploma in Addictions Counselling, or a related discipline, with a cumulative grade point average of 3.00 (or equivalent).
               Note: Students will be required to attain a GPA of 2.50 in the first semester of this program to continue into the second semester.
               Applicants with extensive practice experience in the field and a GPA of less than 3.00 will be given individual consideration for admission to the Post-Diploma program.
      2. Applicants follow the procedures outlined for all students in Part 1 - Admission and must also submit the following documentation:
         a. Official college transcript.
      3. Spoken English Language Proficiency Requirement (SELP)
         See Section 3.g. (p. 196).
   e. After an Approved Degree
      1. Bachelor of Nursing
         Students who have an approved degree from a recognized university may choose to complete either the Bachelor of Nursing After Degree program, (see, a. below) or the 40-course Bachelor of Nursing program (see, b. below).
         a. Bachelor of Nursing After Degree program
            This is a 24-month continuous program starting in September of each year (see Section 3.b., p. 193).
         b. 40-course Bachelor of Nursing program
            Students who have an earned degree from a recognized university and who wish to enter the Bachelor of Nursing program may have their course load reduced to the extent that the first degree includes courses that are required in the nursing program. It is important to note that such course reduction may not reduce the length of the program because of the sequencing of nursing courses.
      2. Bachelor of Health Sciences
         The Faculty of Health Sciences offers no formal Bachelor of Health Sciences second degree program due to the high number of unique courses which are required in each major in the B.H.Sc. program. Degree holders will have all the privileges of transfer students with respect to courses transferred in to meet requirements. Students should consult with an Academic Advisor in Health Sciences prior to their first semester to develop an individualized course sequencing plan.
At the time of admission, the record of the applicant’s previous degree is examined and a specific program for the student is planned and approved by an Academic Advisor in the Faculty of Health Sciences.

f. Bachelor of Health Sciences/Bachelor of Management

See Part 13 - Combined Degrees, Section 13 (p. 289).

g. 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 1 - Admission, p. 42), applicants to the Faculty of Health Sciences must also meet a Spoken English Language Proficiency requirement. This additional SELP requirement is essential because students must be able to communicate clearly and effectively with colleagues, instructors, professionals and the public in a variety of settings. Evidence of SELP must be presented prior to admission and may be shown in one of the following ways:

1. At least six consecutive years of full-time study in a country where the primary language is English from a recognized institution where the language of instruction is English. These studies must include a satisfactory completion of English Language Arts 30-1 or its equivalent, or satisfactory completion of a university-level course in English (minimum 3.0 credit hours).
2. A score of at least 50 on the TSE (Test of Spoken English).
3. A score of at least 26 on the iBT TOEFL Speaking section.
4. A score of at least 7.5 on the IELTS band for Speaking.
5. A score of at least 70 on the CAMEL sub-test for Speaking.
6. A score of at least 3 on the MELAB Speaking section.

Note: Admission may not be granted or may be revoked if contradictory evidence exists (e.g., low TOEFL scores, low grades on an English course, or significant communication difficulties).

h. Transfer Credit

1. Bachelor of Nursing

A student may transfer up to 20 semester course equivalents (60.0 credit hours).

Students may receive transfer credit for both Nursing and non-Nursing courses. Nursing courses must have been completed at an accredited post-secondary institution not more than seven years prior to the expected date of completion of the baccalaureate program. Non-Nursing courses are subject to the time limits of the relevant Faculty (see Part 4 - Academic Regulations, Section 10.a., p. 83). Courses for which transfer credit is being sought must be discussed at the time of acceptance into the Faculty of Health Sciences at the University of Lethbridge.

Note: Effective Fall 2016, the time limit for retention of individual course credit applies to Nursing, Human Anatomy/Physiology, and Microbiology courses (see p. 83).

2. Bachelor of Nursing After Degree

A student completing the Bachelor of Nursing After Degree Program may not receive transfer credit.

3. Bachelor of Health Sciences

Students in the B.H.Sc. program will be allowed to transfer a maximum of 20 semester course equivalents (60.0 credit hours). For details please consult an Academic Advisor. Courses for which transfer credit is being sought must be discussed at the time of acceptance into the program.

Students with transfer credit for five or more courses (15.0 credit hours) should consult with an advisor prior to the first semester to develop an individual course sequencing plan. This may allow the student to reduce the number of semesters required to complete the program.

4. Post-Diploma Bachelor of Health Sciences

A student completing the Addictions Counselling major in the Post-Diploma Bachelor of Health Sciences program may not receive transfer credit.

5. Co-operative Education Studies

Co-operative Education is a program that integrates academic studies with relevant, full-time work experience. During work terms that are typically four months long, students gain practical experience in not-for-profit organizations, private industry, or government agencies. Students may complete up to six work terms. Further information may be obtained from the Arts and Science Office of Co-operative Education (AH154; 403-382-7154).

a. Work Terms

To receive the Co-op designation, students must complete all regular degree requirements and a minimum of three work terms:

Health Sciences 3331 - Co-op Work Placement I
Health Sciences 3332 - Co-op Work Placement II
Health Sciences 3333 - Co-op Work Placement III

Students may also choose to take up to three additional work terms:

Health Sciences 3334 - Co-op Work Placement IV
Health Sciences 3335 - Co-op Work Placement V
Health Sciences 3336 - Co-op Work Placement VI

Students must be registered through the program for the full period of the work term in which they applied, and once registered are not permitted to withdraw without failure. A grade of ‘F’ (fail) will be awarded for the term(s) unless extenuating circumstances warrant granting of Withdrawal with Cause (W C), in accordance with University of Lethbridge policy (see Part 4, Section 3, p. 68). Students should contact the Coordinator of Co-operative Education for assistance with the procedure.
b. Transfer of Co-op Work Terms
A maximum of one co-op work term from another institution with formal co-operative education programs shall be eligible for recognition towards the requirement. To be eligible for recognition, the co-op shall be subject to special assessment by the Co-operative Education Office. An approved co-op must be registered as a non-academic course on the student's transcript from the sending institution and must have received a passing grade.

6. INDEPENDENT STUDY
Credit for Independent Study is at the discretion of the Faculty of Health Sciences upon recommendation of the supervising faculty member. Independent Study registration occurs after approval by the supervising faculty member, the Academic Advisor, and the Dean.

Since the purpose of Independent Study is to expand the student's program beyond the limits of the regular curriculum, it may not be used to duplicate course offerings and should be undertaken only in areas not covered by courses in the curricula.

7. POLICIES AND REGULATIONS
a. Standards of Professional Conduct
The Faculty of Health Sciences at the University of Lethbridge, along with our collaborative partners at Lethbridge College, is committed to maintaining freedoms of thought, belief, opinion and expression for students. The programs also have an obligation to foster academic freedom within the context of relevant professional standards of conduct and with the goal of assisting students to becoming practicing health professionals. The standards outlined below give direction to behaviours which must be visible to all instructors within the program and related courses. These standards are in addition to the standards of Academic and Non-Academic Conduct for the University of Lethbridge outlined in Part 4 - Academic Regulations of this Calendar. Serious violations of the standards of professional conduct may result in a student being disciplined, including being suspended or expelled from the program. A student disciplined in this way may appeal under Part 4 - Academic Regulations, Section 8. (p. 78) of this Calendar.

1. Bachelor of Nursing Programs
Students and faculty are bound by the Standards of Practice of the College and Association of Registered Nurses of Alberta (www.nurses.ab.ca) and the Code of Ethics of the Canadian Nurses Association (www.cna-aic.ca).

2. Bachelor of Health Sciences
Aboriginal Health
Ethical standards expected of students and faculty include the following fundamental principles:

1. Respect for the dignity of persons
2. Not willfully harming others
3. Integrity in relationships
4. Responsible caring
5. Respect for the health and well-being of others

Addictions Counselling
The ethical standards expected of students and faculty are those found in the Standards of Practice and Code of Ethics of the Canadian Counselling and Psychotherapy Association (www.ccpa-acccp.ca/en/ethics/).

Public Health
The ethical standards expected of students and faculty are guided by the Public Health Code of Ethics of the Public Health Leadership Society (www.phls.org) and the American Public Health Association (www.apha.org).

b. In Good Standing
To be in good standing a student must maintain a minimum cumulative grade point average of 2.00 for all courses and 2.50 for required Nursing, Health Sciences, or Public Health courses.

c. Academic Probation
A student shall be placed on academic probation if the term grade point average and/or cumulative grade point average falls below the minimum listed below for all courses or below the minimum listed below for required Addictions Counselling, Health Sciences, Nursing, or Public Health courses for one semester at the University of Lethbridge. It should be noted that post-diploma students and students coming from Lethbridge College or Medicine Hat College in the collaborative programs are considered to have a minimum of 20 course credits. In the Bachelor of Nursing After Degree program, students must attain a minimum GPA of 2.00 in the first semester, 2.30 in the second semester, and 2.50 for the remainder of the program.

<table>
<thead>
<tr>
<th>Number of Completed Courses</th>
<th>GPA All Courses</th>
<th>GPA Nursing, Health Sciences, and Public Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10</td>
<td>1.70</td>
<td>2.00</td>
</tr>
<tr>
<td>11-20</td>
<td>1.85</td>
<td>2.30</td>
</tr>
<tr>
<td>21-40</td>
<td>2.00</td>
<td>2.50</td>
</tr>
</tbody>
</table>

d. Required Withdrawal
1. A student is required to withdraw from the Faculty of Health Sciences if any of the following occurs:
   - the grade point average falls below the minimum listed above for two or more consecutive semesters*;
   - the student fails any internship or nursing practicum course; or
   - the student fails to meet the Standards of Professional Conduct (see p. 197)

*B.H.Sc. students will only be required to withdraw at the end of the spring semester. B.N. students will be required to withdraw from the program at the end of the second consecutive semester with a GPA below the minimum as noted above, regardless of when it falls in the academic year, but will be allowed to continue at the University as Open Studies Students until the end of the spring semester.

A student dismissed for academic reasons may apply for readmission by the appropriate deadline after a lapse of one full year. Readmission is not guaranteed. Students dismissed for a second time will not be re-admitted to the program. Students are advised to contact an Academic Advisor as early as possible to discuss the possibility of readmission.
2. Faculty members who are supervising practice experiences may require a student to leave a practice setting at any time if, in the opinion of the faculty member, the student's practice threatens patient/client safety or is disruptive to patient/client care. The Dean will review the case in a timely fashion to determine whether, and under what conditions, the student may return to the practice setting.

3. Tabula Rasa will be granted to all first-degree University of Lethbridge students registered in programs offered by the Faculty of Health Sciences upon readmission after required withdrawal for unsatisfactory academic performance. Tabula Rasa will be granted only once, after the first required withdrawal. Credit is retained for all previous courses completed with a grade of 'C-' or above, or 'P', up to a limit of 20 courses, although the grades for these courses are not calculated in the GPA. Students readmitted after required withdrawal are readmitted on probation.

e. Dean's Honour List
Students with outstanding academic performance are recognized on the Dean's Honour List. The list is compiled twice yearly at the end of each of the fall and spring semesters. There are two ways to qualify for the Dean's Honour List:
1. Students completing four or more graded courses in one semester must achieve a grade point average of 3.75 or higher on these courses; or,
2. Students completing three or fewer courses in one semester must achieve a grade point average of 3.75 or higher on these courses AND must have a cumulative University of Lethbridge GPA of 3.75 or higher AND must have completed a minimum of four graded courses at the University, including the current semester.

f. Standards for Distinction and Great Distinction
Students who have displayed outstanding academic performance during their undergraduate degree programs are awarded their degrees 'With Distinction' or 'With Great Distinction.'

Students with a graduation GPA of 3.50 to 3.74 are awarded their degree 'With Distinction.' Students with a graduation GPA of 3.75 or higher are awarded their degree 'With Great Distinction.'

For purposes of awarding degrees 'With Distinction' or 'With Great Distinction,' the Faculty of Health Sciences determines a graduation GPA by factoring actual grades on transfer courses into the University of Lethbridge cumulative GPA.

g. Internship and Practicum Placements
Practicum and internship placements provide a critical learning experience that is essential to the completion of the student's academic program in the Faculty of Health Sciences. Students engaged in these experiences should be aware that they are not only subject to University policies and procedures but also those of the agency/health facility in which they are placed. The policies of some external sites may include drug and alcohol testing. If a student is refused or released from an internship or practicum placement because they have tested positive, the Faculty of Health Sciences will undertake its best efforts to accommodate the student. The Faculty cannot, however, guarantee a subsequent placement.

Individuals with a history of addiction or dependency should note that placement agencies may require students to have a minimum two-year alcohol and other drug-free lifestyle prior to their acceptance in an internship or practicum placement.

While not an admission requirement for programs in the Faculty of Health Sciences, many agencies and organizations providing internship/practicum placements require criminal record checks (or equivalent) of students. Consequently, all students accepting an admission offer from the Faculty of Health Sciences must immediately make application for a criminal record check and provide the completed criminal record check by the dates specified above in Section 4. Admission.

Criminal record checks are not kept on file by the Faculty of Health Sciences, but must be in the student's possession and available to present to agencies and organizations providing internship/practicum placements. The consequences of a prior criminal conviction on a student's status in the program will be examined and discussed on an individual basis. Please note that students with certain criminal convictions may be refused by agencies and organizations providing internship/practicum placements. Should an internship/practicum placement be refused for any reason by an agency or organization, the Faculty of Health Sciences does not guarantee an alternate placement and the student may be required to withdraw from the program.

Students are required to inform the Faculty of Health Sciences if a change in their criminal record status has occurred while they are in the program and submit a new copy of their criminal record check.

h. Nursing Regulations and Information

1. Nursing course sequence requirements
Due to the structured nature of the Bachelor of Nursing and Bachelor of Nursing After Degree programs, students are required to complete nursing courses during the semesters in which they are assigned. Students who do not follow the sequence plan each semester are at risk of not being able to complete the program. Contact an Academic Advisor in the Faculty of Health Sciences.

2. Out-of-region practice course placement guidelines
Students who have clearly identified specific clinical learning goals that require practice placements outside the southwestern part of Alberta Health Services South Zone may apply for an out-of-region placement for Nursing 4750. Out-of-region placements are located beyond this geographic region and may include provincial, national, or international placements. Students intending to seek an out-of-region placement must have a cumulative GPA of at least 3.00 on all courses counted towards program requirements (including courses taken at the University of Lethbridge and courses transferred from Lethbridge College or other institutions that are used to meet program requirements) completed by the end of the first semester of the third year for B.N., students or by the end of Summer Session III of the first year for B.N. After Degree students.
3. Travel requirements
The richness of the BN program is built upon our close connection with rural communities. As a result, travel outside Lethbridge will be expected for clinical practice, and students will incur costs related to this travel.

8. BACHELOR OF NURSING PROGRAMS
a. Bachelor of Nursing
1. General Requirements
a. Successful completion of at least 41.3 course equivalents (124.0 credit hours) with a cumulative grade point average of at least 2.00 on all courses taken for credit toward the degree.

Minimum Grade Requirement
A minimum grade of C is required in Nursing 1163/ Nursing 1220 and Nursing 1173/Nursing 1320. A student who receives a grade of C- or less must repeat the course prior to proceeding in the program.
A minimum grade of C- is required in all other Nursing courses, BIO 1160/BIO L 1xxx, BIO 1161/SCIE 2xxx, and BIO 1162/BIO L 2xxx (or equivalents). Any student who receives a grade of D+ or lower is required to repeat the course and achieve a grade of C- or higher before being allowed to take further nursing courses and proceed in the program.

2. Course Requirements
Students registered at Lethbridge College will take courses that bear the College's numbering system, while courses taken at the University of Lethbridge will bear the University's course numbering system. Where two numbers appear in the list below, the first number reflects the Lethbridge College course numbering system while the second reflects the University of Lethbridge system.

b. Core Courses: Non-Nursing
- Biology 1160/Health Sciences 1160 - Anatomy and Physiology I
- Biology 1161/Health Sciences 1161 - Anatomy and Physiology II
- Biology 1162/Biology 2xxx - Microbiology of Infectious Diseases
- English 1150/Humanities 1xxx
- Humanities 1155/Philosophy 1xxx - Introductory Philosophy
- Psychology 1160/Psychology 1000 - Basic Concepts of Psychology
- Psychology 1170/Health Sciences 1170 - Human Development
- Sociology 1160/Sociology 1000 - Introduction to Sociology
- Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice

c. Core Courses: Nursing
- Nursing 1150/Nursing 1020 - Concepts of Health I
- Nursing 1155/Nursing 1120 - Concepts of Health II
- Nursing 1163/Nursing 1220 - Nursing Practice I
- Nursing 1173/Nursing 1320 - Nursing Practice II
- Nursing 2250/Nursing 2020 - Health, Illness and Healing I
- Nursing 2254/Nursing 2125 - Health, Illness and Healing II
- Nursing 2279/Nursing 2135 - Professional Seminar I
- Nursing 2263/Nursing 2150 - Nursing Practice III
- Nursing 2293/Nursing 2255 - Nursing Practice IV
- Nursing 2290/Nursing 2260 - Applied Therapeutics
- Nursing 3020 - Health, Illness and Healing III
- Nursing 3125 - Health, Illness and Healing IV
- Nursing 3135 - Professional Seminar II
- Nursing 3230 - Health, Illness and Healing V
- Nursing 3360 - Research Methodology
- Nursing 4135 - Professional Seminar III
- Nursing 4510 - Nursing Practice - Mental Health Nursing
- Nursing 4520 - Nursing Practice - Community Health Nursing
- Nursing 4530 - Nursing Practice - Medical Surgical Nursing
- Nursing 4750 - Senior Clinical Consolidation

d. Restricted Electives:
- Fine Arts and Humanities Elective
- Fine Arts and Humanities Elective
- Social Science Elective
- Health Sciences/Public Health Elective

3. Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/nurs_bn for a suggested sequencing plan for the B.N., beginning at Lethbridge College (LC).
4. **Accelerated Course Sequencing**  
Students may elect, during the second semester of their second year, to complete the accelerated course sequencing. This option is open to B.N. students with a minimum GPA of 2.30 in all Nursing/Health Sciences courses used to meet program requirements. The GPA calculation will involve all Nursing/Health Sciences courses completed up to and including the fall term of second year. This may occur only after application by the student and approval by the Faculty of Health Sciences at the University of Lethbridge. Students in the accelerated program will complete their programs by the end of December rather than the end of April of the fourth year. The first two years are identical to the regular course sequencing of the B.N. Program. There may be a limited number of seats available.

See www.uleth.ca/ross/sequencing-plans/nurs_bn_accl for a suggested sequencing plan for Years 3 and 4 (see www.uleth.ca/ross/sequencing-plans/nurs_bn for a suggested sequencing plan for the first two years).

b. **Bachelor of Nursing After Degree**

1. **General Requirements**
   a. Successful completion of at least 27 course equivalents (81.0 credit hours) with a cumulative grade point average of at least 2.50 on all courses taken for credit toward the degree.
   b. Residence Requirement: 27 Nursing course equivalents (81.0 credit hours).
   c. All degree requirements must be completed within six years of the first Nursing course used for credit toward the degree.

   **Minimum Grade Requirement**
   A minimum grade of C is required in Nursing 1182/Nursing 1150. A student who receives a grade of C- or less must repeat the course prior to proceeding in the program.
   A minimum grade of C- is required in all other Nursing courses. Any student who receives a grade of D+ or lower is required to repeat the course and achieve a grade of C- or higher before being allowed to take further nursing courses and proceed in the program.

2. **Course Requirements**
Students registered at Lethbridge College will take courses that bear the College's numbering system, while courses taken at the University of Lethbridge will bear the University's course numbering system. Where two numbers appear in the list below, the first number reflects the Lethbridge College course numbering system while the second reflects the University of Lethbridge system.

   a. **Core Courses: Nursing**
      - Nursing 1181/Nursing 1050 - Introduction to Nursing
      - Nursing 1182/Nursing 1150 - Health Assessment
      - Nursing 2250/Nursing 2020 - Health, Illness and Healing I
      - Nursing 2125 - Health, Illness and Healing II
      - Nursing 2263/Nursing 2150 - Nursing Practice III
      - Nursing 2125 - Nursing Practice IV
      - Nursing 2130/Nursing 2260 - Applied Therapeutics
      - Nursing 3020 - Health, Illness and Healing III
      - Nursing 3125 - Health, Illness and Healing IV
      - Nursing 3135 - Professional Seminar II
      - Nursing 3230 - Health, Illness and Healing V
      - Nursing 3360 - Research Methodology
      - Nursing 4135 - Professional Seminar III
      - Nursing 4511 - Mental Health Nursing Practice
      - Nursing 4520 - Nursing Practice - Community Health Nursing
      - Nursing 4530 - Nursing Practice - Medical Surgical Nursing
      - Nursing 4750 - Senior Clinical Consolidation

3. **Suggested Sequencing Plan**
See www.uleth.ca/ross/sequencing-plans/nurs_bn_ad for a suggested sequencing plan for the B.N. After Degree program, beginning at Lethbridge College.

9. **BACHELOR OF HEALTH SCIENCES PROGRAMS**
a. **Bachelor of Health Sciences**
   1. **General Requirements**
      a. Completion of 40 course equivalents (120.0 credit hours) with a grade point average of at least 2.00 on courses taken for credit towards the degree.
      b. Achieve a minimum cumulative grade point average of 2.50 on all Addictions Counselling, Health Sciences, and Public Health courses taken for credit towards the degree.
      c. Completion of the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 10, p. 83).
      d. Not more than three Independent Study courses may be taken for credit towards the degree (see Section 6, p. 197).
      e. Not more than 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE) (see Part 4, Section 2.c, Exceeding Course Limits, p. 70).
      f. Residence requirement: 20 courses, including a minimum of ten from the Faculty of Health Sciences.
      g. All degree requirements must be completed within seven years after acceptance into the Faculty of Health Sciences.

2. **Aboriginal Health**
   a. **Course Requirements**
      1. **Core Courses**
         - Addictions Counselling 1000 - Introduction to Addictions Studies
         - Public Health 1000 - Introduction to Public Health

Minimum Grade Requirement
A minimum grade of C is required in Nursing 1182/Nursing 1150. A student who receives a grade of C- or less must repeat the course prior to proceeding in the program.
A minimum grade of C- is required in all other Nursing courses. Any student who receives a grade of D+ or lower is required to repeat the course and achieve a grade of C- or higher before being allowed to take further nursing courses and proceed in the program.
Addictions Counselling 1020 - Introduction to the Counselling Interview
Addictions Counselling 3260 - Research in Addictions
Health Sciences 2003/Biology 2003 - Epidemiology
Health Sciences 2300 - Introduction to Aboriginal Health
Health Sciences 2310 - Human Nutrition
Health Sciences 2700/Sociology 2700 - Health and Society
Health Sciences 3300 - Traditional Aboriginal Health Concepts
Health Sciences 3310 - Contemporary Issues in Aboriginal Health
Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
Management 3080 - Managerial Skill Development
Native American Studies 1000 - Introduction to Native American Studies
Public Health 3420 - Public Health Ethics
Sociology 1000 - Introduction to Sociology
Writing 1000 - Introduction to Academic Writing

2. Practicum course:
Health Sciences 4350 - Practicum in Aboriginal Health (15.0 credit hours)

3. At least five of:
Addictions Counselling 3130 - Diversity and Counselling
Addictions Counselling 3150 - Adult Psychopathology
Addictions Counselling 3739 - Addictions in Particular Populations (Series)
Addictions Counselling 4200 - Community Development and Outreach
*Health Sciences 2400 - Medical Microbiology
Health Sciences 2600/Women and Gender Studies 2100 - Women and Health
Health Sciences 2806/Biology 2806 - Immunology
Health Sciences 3002 - Health Promotion
Health Sciences 3500/Management 3825 - Information in Health Care
Health Sciences 3860 - Men's Health
Health Sciences 3802 - Gerontology
Health Sciences 3850 - Topics in Health Sciences
Health Sciences 4850 - Topics in Health Sciences
Health Sciences 3570/Psychology 3570 - Contemporary Issues in Mental Health
Public Health 2000 - Population Health
Public Health 3000 - Canadian and Global Perspectives
Public Health 3850 - Special Topics
*Public Health 4000 - Advanced Public Health
Public Health 4850 - Special Topics

4. Electives:
Two Fine Arts and Humanities electives
Two Social Science electives
Two Science electives
Nine Open electives
*In planning their program, students should consider course prerequisites. Some prerequisites may need to be taken as open electives, and some course choices should be made considering senior course prerequisites. The list below indicates the required prerequisites:
Health Sciences 2400 - Biology 1010 OR Public Health 4000 - Public Health 3000

b. Possible Sequencing of Courses
See www.uleth.ca/ross/sequencing-plans/abhm_bhsc for a suggested sequencing plan for the Aboriginal Health major in the B.H.Sc. program.

3. Addictions Counselling Major
a. Course Requirements
Additions Counselling 1000 - Introduction to Addiction Studies
Additions Counselling 1020 - Introduction to the Counselling Interview
Addictions Counselling 1220 - Counselling I (Individual Counselling)
Addictions Counselling 2050 - Internship in Addictions Counselling I
Addictions Counselling 2120 - Counselling II (Group Counselling)
Addictions Counselling 2235 - First Nations Counselling
Addictions Counselling 2245 - Assessment of Addictions
Addictions Counselling 3002 - Health Education and Promotion
Addictions Counselling 3120 - Counselling III (Family Counselling)
Addictions Counselling 3130 - Diversity and Counselling
Addictions Counselling 3140 - Behavioural Pharmacology
Addictions Counselling 3150 - Adult Psychopathology
Addictions Counselling 3240 - Concurrent Disorders
Addictions Counselling 3260 - Research in Addictions
Addictions Counselling 3420 - Ethics in Addictions Counselling
Addictions Counselling 3729 - Studies in Specific Addictive Disorders (Series)
Addictions Counselling 3739 - Addictions in Particular Populations (Series)
Addictions Counselling 4050 - Internship in Addictions Counselling II
Addictions Counselling 4200 - Community Development and Outreach
Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
Native American Studies 1000 - Introduction to Native American Studies
Psychology 1000 - Basic Concepts of Psychology
Sociology 1000 - Introduction to Sociology
One of:
- Sociology 2050 - Social Inequality
- Sociology 2500 - Deviance, Conformity and Social Control

Three Fine Arts and Humanities Electives
Two Social Science Electives
Two Science Electives
One Open Elective

b. Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/adcs_bhsc for a suggested sequencing plan for the Addictions Counselling major in the B.H.Sc. program.

4. Public Health Major
a. Course Requirements
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
Geography 1200 - Introduction to Human Geography
Health Sciences 2003/Biology 2003 - Epidemiology
Health Sciences 2310 - Human Nutrition
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
Health Sciences 3500/Management 3825 - Information in Health Care
Political Science 1000 - Introduction to Political Science
Psychology 1000 - Basic Concepts of Psychology
Sociology 1000 - Introduction to Sociology
One of:
- Writing 1000 - Introduction to Academic Writing
- A university English course

Three Fine Arts and Humanities courses
One Science course
Five 3000/4000-level Public Health/Health Sciences courses
Eleven courses offered by any faculty
Students may choose to complete Public Health 4550 Practicum in Public Health (15.0 credit hours) or Public Health 4995 Undergraduate Thesis (6.0 credit hours). For details, please consult an Academic Advisor in the Faculty of Health Sciences.

Note: Students interested in specific career paths can find a list of suggested courses at www.uleth.ca/healthsciences/phlists.

b. Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/pubh_bhsc for a suggested sequencing plan for the Public Health major in the B.H.Sc. program.

c. ‘Honours Thesis’ Designation
Students pursuing a Public Health major in the B.H.Sc. degree program may choose to complete an undergraduate thesis course (6.0 credit hours), subject to meeting course prerequisites (see Public Health 4995 - Undergraduate Thesis on p. 443). Students who complete all requirements and satisfy the academic standards required for the undergraduate thesis course are eligible to receive the ‘Honours Thesis’ designation on their official transcript and degree parchment.

1. Prerequisites
Prospective ‘Honours Thesis’ candidates must meet the following prerequisites:
   a. Fourth-year standing (a minimum of 90.0 credit hours completed prior to the start of the applicable fall term).
   b. A cumulative minimum GPA of 3.50.

2. Supervisory Committee
For each prospective ‘Honours Thesis’ candidate, a Supervisory Committee will be established. The Supervisory Committee will be approved by the Faculty of Health Sciences and the Coordinators for Public Health in the Faculty of Health Sciences and the Faculty of Arts and Science. The Supervisory Committee will be made up of a Thesis Supervisor (preferably a faculty member from Public Health), and one other reader, who may be from outside the program. The Supervisory Committee approves the topic matter of the proposed thesis at the time of application.

3. Initial Approval
   a. The prospective student must present the Standardized Thesis Proposal Template to be approved by the Supervisory Committee by April 15th to begin the thesis in September of the same year.
   b. Subsequent changes to the Thesis Proposal must be approved by the Supervisory Committee.
   c. The prospective student must submit an unofficial transcript for review by the Supervisory Committee.
   d. Registration in the course is achieved through approval of the Supervisory Committee and Dean.
   e. The student must register for the undergraduate thesis course by the last day for course Add/Drop for the given fall semester.

4. Final Assessment
The final assessment for the undergraduate thesis is based on two criteria:
a. Written Component (80%)
1. The Undergraduate Thesis must be a sustained piece of supervised research demonstrating a superior level of academic ability on a public health matter, as approved by the Supervisory Committee at the time of initial approval.
2. The thesis should be of high quality and will be made publicly available by the Public Health program.
b. Oral Component (20%)
The student will be required to make a formal oral presentation demonstrating the ability to articulate clearly the nature of the project undertaken, the research methodology and the results of the project. This component is a demonstration of the student’s competence in oral communication and not necessarily an oral defence of the thesis.

5. Eligibility for ‘Honours Thesis’ Designation
Students are eligible to receive the ‘Honours Thesis’ designation on their official transcript and degree parchment only if they achieve a minimum grade of ‘B+’ (3.30 or higher) for the undergraduate thesis course, and have satisfactorily completed the required oral component. Students who achieve grades between ‘D’ and ‘B’, inclusive, and/or do not complete the oral component will retain credit for the equivalent of two courses (6.0 credit hours) but will not be eligible for the ‘Honours Thesis’ designation.
Inquiries about the availability of the ‘Honours Thesis’ option should be directed to the Faculty of Health Sciences Coordinator for Public Health or Academic Advisor. Please refer to Part 4 - Academic Regulations, Section 2.f. (p. 71) for more information on the ‘Honours Thesis’ designation.

b. Post-Diploma Bachelor of Health Sciences
1. Addictions Counselling
a. General Requirements:
   1. Direct Entry: Successful completion of at least 20 course equivalents (60.0 credit hours) with a grade point average of at least 2.00 on courses taken for credit toward the degree.
      Extended: Successful completion of at least 25 course equivalents (75.0 credit hours) with a grade point average of at least 2.00 on courses taken for credit toward the degree.
   2. Attain a minimum cumulative grade point average of 2.50 on all required Addictions Counselling and Health Sciences courses taken for credit towards the degree.
   3. Completion of two courses from each of Lists I, II, and III for the General Liberal Education Requirement (see Part 4 - Academic Regulations, Section 2.e., p. 83).
   4. Not more than three Independent Study courses may be taken for credit towards the degree (see Section 6, p. 197).
   5. Residence requirement
      Direct Entry: 20 courses (60 credit hours)
      Extended: 25 courses (75.0 credit hours)
   6. All degree requirements must be completed within seven years of completion of the first Health Sciences course used for credit towards the degree.

b. Direct Entry Course Requirements:
Addictions Counselling 3120 - Counselling III (Family Counselling)
Addictions Counselling 3130 - Diversity and Counselling
Addictions Counselling 3150 - Adult Psychopathology
Addictions Counselling 3240 - Concurrent Disorders
Addictions Counselling 3260 - Research in Addictions
Addictions Counselling 3729 - Studies in Specific Addictive Disorders (Series)
Addictions Counselling 3739 - Addictions in Particular Populations (Series)
Addictions Counselling 4050 - Internship in Addictions Counselling II
Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
Fine Arts and Humanities Elective
Social Science Elective
Science Elective
Open Elective
Open Elective

b. Extended Course Requirements:
Addictions Counselling 1000 - Introduction to Addiction Studies
Addictions Counselling 2120 - Counselling II (Group Counselling)
Addictions Counselling 2245 - Assessment of Addictions
Addictions Counselling 3002 - Health Education and Promotion
Addictions Counselling 3120 - Counselling III (Family Counselling)
Addictions Counselling 3130 - Diversity and Counselling
Addictions Counselling 3150 - Adult Psychopathology
Addictions Counselling 3240 - Concurrent Disorders
b. Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/adcs_0hs.sc_direct for a suggested sequencing plan for the Addictions Counselling major in the Post-Diploma B.H.Sc. (Direct Entry) program.

d. Extended Course Requirements:
Addictions Counselling 1000 - Introduction to Addiction Studies
Addictions Counselling 2120 - Counselling II (Group Counselling)
Addictions Counselling 2245 - Assessment of Addictions
Addictions Counselling 3002 - Health Education and Promotion
Addictions Counselling 3120 - Counselling III (Family Counselling)
Addictions Counselling 3130 - Diversity and Counselling
Addictions Counselling 3150 - Adult Psychopathology
Addictions Counselling 3240 - Concurrent Disorders
11. MINORS

Faculty of Health Sciences Minors

Bachelor of Nursing, Bachelor of Health Sciences, Post-Diploma Bachelor of Health Sciences, and Bachelor of Health Sciences/Bachelor of Management students may elect to complete a minor in one of the following areas: Aboriginal Health, Addictions, Mental Health, or Population Health.

Students should be aware that completing a minor may require taking courses extra to their minimum degree requirements.

a. Aboriginal Health

A minor in Aboriginal Health is available as an adjunct to all majors, except Aboriginal Health.

Required Courses:
- Health Sciences 2300 - Introduction to Aboriginal Health
- Health Sciences 3300 - Traditional Aboriginal Health Concepts

Three of:
- Addictions Counselling 3130 - Diversity and Counselling
- Health Sciences 2310 - Human Nutrition
- Health Sciences 2600/Women and Gender Studies 2100 - Women and Health
- Health Sciences 2700/Sociology 2700 - Health and Society
- Health Sciences 3310 - Contemporary Issues in Aboriginal Health
- Public Health 1000 - Introduction to Public Health
- Public Health 2000 - Population Health
- Public Health 3000 - Canadian and Global Perspectives

b. Addictions

A minor in Addictions is available as an adjunct to all majors, except Addictions Counselling.

Five of:
- Addictions Counselling 1000 - Introduction to Addiction Studies
- Addictions Counselling 3002 - Health Education and Promotion
- Addictions Counselling 3140 - Behavioural Pharmacology
- Addictions Counselling 3729 - Studies in Specific Addictive Disorders (Series)
- Addictions Counselling 3739 - Addictions in Particular Populations (Series)
- Addictions Counselling 4200 - Community Development and Outreach
- Health Sciences 3570/Psychology 3570 - Contemporary Issues in Mental Health
- Health Sciences 3125 - Pain Management
- Health Sciences 3700 - Gambling
- Health Sciences 3750 - Addictions and Youth

Five of:
- Addictions Counselling 3150 - Adult Psychopathology
- Health Sciences 2600/Women and Gender Studies 2100 - Women and Health
- Health Sciences 3002 - Health Promotion
- Health Sciences 3271 - Loss, Grief and Bereavement
- Health Sciences 3750/Psychology 3570 - Contemporary Issues in Mental Health
- Health Sciences 3760 - DSM Interventions
- Health Sciences 3860 - Men's Health
- Public Health 3000 - Canadian and Global Perspectives
- Public Health 3420 - Public Health Ethics

c. Mental Health

Five of:
- Addictions Counselling 1000 - Introduction to Addiction Studies
- Addictions Counselling 3002 - Health Education and Promotion
- Addictions Counselling 3140 - Behavioural Pharmacology
- Addictions Counselling 3729 - Studies in Specific Addictive Disorders (Series)
- Addictions Counselling 3739 - Addictions in Particular Populations (Series)
- Addictions Counselling 4200 - Community Development and Outreach
- Health Sciences 3570/Psychology 3570 - Contemporary Issues in Mental Health
- Health Sciences 3125 - Pain Management
- Health Sciences 3700 - Gambling
- Health Sciences 3750 - Addictions and Youth

Five of:
- Health Sciences 2300 - Community Development and Outreach
- Health Sciences 2500 - Epidemiology
- Health Sciences 2600/Women and Gender Studies 2100 - Women and Health
- Health Sciences 2700/Sociology 2700 - Health and Society
- Health Sciences 2800/Biology 2806 - Immunology
- Health Sciences 3002 - Health Promotion
- Health Sciences 3800 - Teaching and Learning for Health Professions
- Health Sciences 3802 - Gerontology
- Health Sciences 3860 - Men's Health
- 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

10. POST-DIPLOMA BACHELOR OF THERAPEUTIC RECREATION PROGRAM

Notes: Effective immediately, the Post-Diploma Bachelor of Therapeutic Recreation will be accepting applications effective immediately. Ministerial approval for this program was received after the publishing of this Calendar. Please refer to the Errata (www.uleth.ca/academic-calendar/updates) or contact an Academic Advisor in the Faculty of Health Sciences for more information.

New Post-Diploma B.H.Sc. students should contact a Faculty of Health Sciences Academic Advisor for program planning.

e. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/adcs_bhsc_pd_ext for a suggested sequencing plan for the Addictions Counselling major in the Post-Diploma B.H.Sc. (Extended) program.
1. PHILOSOPHY AND PROGRAMS

The Faculty of Management incorporates in its program the University of Lethbridge philosophy of providing a liberal education. The program encourages personal growth through the enhancement of knowledge about the individual and society and our political and economic environments and through development of interpersonal abilities, habits of precise reasoning and confidence in professional skills.

The Faculty offers a four-year, 40-course program leading to the Bachelor of Management degree (B.Mgt.).

2. FACULTY OF MANAGEMENT CAMPUSES

3. ADVISING AND INFORMATION

4. ADMISSION

a. Bachelor of Management (B.Mgt.)
b. Post-Diploma Bachelor of Management (20 course)
c. Post-Diploma Bachelor of Management (25 course)
d. Co-operative Education Studies
e. Bachelor of Management as a Second Degree (B.Mgt.)
f. Certificate Program in Management
g. Professional Diploma in Accounting
h. Limitation on Enrolment: Programs and Quotas.
i. Time Limit for Retention of Course Credit
j. Conditional Admission
k. Returning After an Absence from the Faculty of Management

5. UNDERGRADUATE THESIS COURSE (HONOURS THESIS DESIGNATION)

a. Prerequisites
b. Supervision
c. Initial Approval
d. Final Assessment
e. Eligibility for 'Honours Thesis' Designation
f. Standards for Continuance

6. CO-OPERATIVE EDUCATION STUDIES

a. Work Term Requirements
b. Transfer of Co-op Work Terms

7. ACADEMIC STANDARDS

a. In Good Standing
b. Academic Probation
c. Required Withdrawal for One Full Year

8. REGULATIONS THAT APPLY TO COURSES TAKEN IN MANAGEMENT

a. Course Load
b. Course Enrolment Limits
c. Prerequisite(s), Corequisite(s), and Recommended Background

d. Applied Studies
e. Independent Study

9. GRADUATION

a. Minimum Grade Requirement
b. Minimum Cumulative Grade Point Average
c. How Graduation GPA is Calculated
d. Limit on Introductory-Level Courses
e. Maximum Number of Activity Courses
f. Residence Requirement
g. Time Limit for Degree
h. General Liberal Education Requirement

10. INSTITUTIONAL HONOURS

a. Dean's Honour List
b. Standards for Distinction and Great Distinction

11. BACHELOR OF MANAGEMENT (B.Mgt.)

a. Core Requirements
b. Major Requirements

12. POST-DIPLOMA BACHELOR OF MANAGEMENT

a. Post-Diploma Program (25 course)
b. Post-Diploma Program (20 course)

13. MINORS

a. First Nations Governance
b. Information Systems
c. International Management
d. New Media
e. Population Health
f. Social Responsibility
g. Supply Chain Management

14. BACHELOR OF MANAGEMENT AS A SECOND DEGREE

15. DOUBLE MAJORS

16. COMBINED DEGREES

17. CERTIFICATE PROGRAMS

18. PROFESSIONAL DIPLOMA IN ACCOUNTING (PDA)/CHARTERED PROFESSIONAL ACCOUNTANT (CPA) BRIDGING

Within the B.Mgt. program, students may choose one of the following majors: Accounting; Computer Science; Economics; First Nations' Governance; Finance; 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)

The Faculty offers a two-year, 20-course Post-Diploma program leading to the Bachelor of Management degree. The Post-Diploma program is open to students holding an
approved college diploma in business administration, management or a related discipline (see Part 20 - Collaborating and Partnering Institutions for a list of colleges with approved diplomas). Majors available are Accounting; Finance; First Nations’ Governance; General Management; Human Resource Management and Labour Relations; Information Systems; International Management; and Marketing.

* Minor in Information Systems has been suspended (see p. 220)

The Faculty offers a 25-course Post-Diploma program with a General Management major leading to the Bachelor of Management degree. This program is available to graduates of approved diploma programs.

Management Certificate programs for both degree-holding and non-degree students are also offered in the fields of Finance; First Nations’ Governance; General Management; Human Resource Management and Labour Relations; Information Systems; International Management; and Marketing.

* Information Systems Certificate has been suspended (see p. 225)

The Faculty of Management offers a Professional Diploma in Accounting (PDA) for students with an undergraduate degree seeking a Chartered Professional Accountant (CPA) designation, or diploma in accounting (see Section 18, p. 226).

The Faculty of Management also offers a Bachelor of Management (B.Mgt.) as a second degree program (see Section 14, p. 223).

The Faculty of Management offers minors in First Nations’ Governance, Information Systems*, International Management, New Media, Population Health, Social Responsibility, and Supply Chain Management (see Section 13, Minors, p. 222).

* Minor in Information Systems has been suspended (see p. 222)

2. FACULTY OF MANAGEMENT CAMPUSES

The Faculty of Management offers programs on three campuses: Calgary, Edmonton, and Lethbridge. On the Lethbridge campus, students can pursue all programs and majors offered by the Faculty of Management.

The Calgary and Edmonton campuses serve adult learners who may be in the work force wanting to further their education. These campuses offer the B.Mgt., Post-Diploma B.Mgt., second degree in Management, the Professional Diploma in Accounting, and other Management Certificates. The following majors are offered on the Calgary Campus: Accounting, Finance, General Management, Human Resource Management and Labour Relations, and Marketing. Students who wish to complete International Management on the Calgary Campus may require alternate arrangements to complete the requirements for this major. The Edmonton Campus offers the General Management major and the Professional Diploma in Accounting program.

Combined Degrees programs (B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. - New Media/B.Mgt., B.H.Sc./B.Mgt., B.Mgt./B.Ed., and Post-Diploma B.Mgt./B.Ed.) cannot be completed in their entirety on the Calgary or Edmonton campuses, and all Combined Degrees applicants will be assigned to the Lethbridge campus (see Section 4, p. 206).

Lethbridge Campus
Phone: 403-329-2153
Email: undergrad.management@uleth.ca

Calgary Campus
Phone: 403-571-3360
Email: calgary.campus@uleth.ca

Edmonton Campus
Phone: 780-424-0425
Email: edmonton.campus@uleth.ca

3. ADVISING AND INFORMATION

The need for programs to meet degree requirements makes it essential for new and returning students to seek advice concerning their academic goals, program and standing. Students must obtain the approval of the Faculty of Management for:

a. Admission to Management programs.

b. Advance approval of programs based on transfer credit.

c. B.Mgt. as a second degree.

d. Authorized study at other universities.

Students may obtain advice and information from the Faculty of Management Undergraduate Program Office for:

a. Program selection and planning.

b. Academic regulations and degree requirements.

c. Grading system and appeals.

d. Future scheduling of courses.

e. Prerequisite(s), corequisite(s), and recommended backgrounds.

f. Availability of Independent and Applied Study.

g. Eligibility for the Post-Diploma Program.

4. ADMISSION

Students applying to Management programs are advised to refer to Section 2, p. 206 and Part 1, Section 3, p. 28. For application and document deadlines, see Part 1 - Admission, p. 27.

a. Bachelor of Management (B.Mgt.)

Admission to the Bachelor of Management degree program in the Faculty of Management is based on the following requirements:

1. Admission to the Bachelor of Management program 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.)

   a. Alberta or other Canadian high school credentials.

   b. Transfer from recognized colleges or universities.

   c. Adult (Mature) Admission.

   d. Credentials from other countries.

2. As outlined in Part 1 - Admission, Section 3.a.1. (p. 28), all applicants must satisfactorily complete Alberta’s:

   a. English Language Arts 30-1

   b. 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 Mathematics 30-1 or Pure Mathematics 30.

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.


Instead of Mathematics 30-1 or Pure Mathematics 30 students may use U of L’s Mathematics 5000.

b. Post-Diploma Bachelor of Management (20 course)

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 program grade point average (GPA) at or above the current admission cut-off and not less than 2.00.

For current information on approved diploma programs, see www.uleth.ca/postdiploma.

c. Post-Diploma Bachelor of Management (25 course)

A student may gain admission to the Post-Diploma Bachelor of Management Degree (25 course) program by completing an approved diploma with a cumulative program grade point average (GPA) at or above the current admission cut-off and not less than 2.00. Students should consult with an Academic Advisor and see www.uleth.ca/postdiploma for information on specific diplomas.

d. Co-operative Education Studies

Admission requirements for the Co-operative Education program include the same courses as for the respective non-Co-operative Education route. In addition, students must meet the following eligibility requirements:

- Complete a minimum of 10 courses (30.0 credit hours) prior to the first work term.
- Obtain a minimum cumulative GPA of 2.70, or 70% for direct entry from high school.
- Be in good academic standing.
- Have courses left to complete. Students who have applied to graduate are no longer eligible for Co-op.
- Submit an application to the Management Co-operative Education program online: www.uleth.ca/management/co-op-apply-now. The application includes submission of a resume, transcripts and current registration.
- Attend a mandatory intake appointment.
- Attend a mandatory Career Management Workshop.

It is recommended that students develop an experiential portfolio consisting of previous employment, volunteer experience and extracurricular activities in order to enhance their level of success in the Co-op program. For details on the Co-operative Education program, see Section 6 (p. 209).

e. Bachelor of Management as a Second Degree (B.Mgt.)

Admission to the Bachelor of Management Second Degree program in the Faculty of Management occurs following completion of an approved degree, other than the degree B.Comm. or its equivalent, and a minimum grade point average of 2.00 (based on a 4.00 scale) on the last 20 graded university-level semester courses is required. An approved degree is a baccalaureate degree (with 30 courses or more), or its academic equivalent, from a recognized degree-granting institution. Other three-year International baccalaureate degrees or Applied Degrees may be considered a basis for admission to second degree programs with the prior approval of the Dean of the Faculty of Management.

International applicants presenting approved degrees and seeking admission to similar degree programs offered by the Faculty of Management will be considered with the prior approval of the Dean. The decision of the Faculty will be final in these matters.

f. Certificate Program in Management

Admission to this program is possible through four admission routes (see Part 1 - Admission):

- Eight or more transfer courses
- A college diploma
- A previous undergraduate degree
- Adult applicants who are 21 years of age or older.

Please refer to Section 3.c. Adult Student (Mature) Admission Route (p. 36). Note that, in most cases, English Language Arts 30-1 and Pure Mathematics 30 or Mathematics 30 are required.

Courses for the Certificate program in Management are listed in Section 17 (p. 224).

g. Professional Diploma in Accounting

Admission requirements to the Professional Diploma in Accounting (PDA) consist of an undergraduate university degree and a minimum grade point average of 2.00 (based on a 4.00 scale) on the last 20 graded university-level semester courses. Courses for the Professional Diploma in Accounting program in Management are listed in Section 18 (p. 226).

Note: The Professional Diploma in Accounting replaces the Post-Baccalaureate Certificate in Accounting.

h. Limitation on Enrolment: Programs and Quotas

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, Edmonton 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.
i. **Time Limit for Retention of Course Credit**

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

Eligible diplomas for the Post-Diploma Bachelor of Management Degree program can be no more than eight years old.

j. **Conditional Admission**

Conditional admission to the Faculty of Management may be offered to applicants in the following situations:

1. Four-year Bachelor of Management
   
   a. **High School**
      
      Applicants who are currently completing courses at a high school, are presenting the subjects required for admission to the program and major, and have a projected high school average at the date of application which meets the general admission requirements (see Section h. above). Admission will be rescinded if an applicant does not present a minimum final high school average of 65% or higher. Admission to a specific major is not guaranteed.
   
   b. **Transfer**
      
      Applicants who are currently completing courses at another college or university and have a cumulative grade point average at the date of application which is at or above the Faculty's admission cut-off and not less than 2.00. Admission may be rescinded if an applicant does not present a final GPA at or above the Faculty's final admission cut-off. Admission to a specific major is not guaranteed.

2. Post-Diploma

   Applicants in possession of an approved college diploma or in the final year of an approved college diploma program and have a cumulative GPA at the date of application which is at or above the Faculty's admission cut-off and not less than 2.00. Admission to a specific major is not guaranteed.

3. Second Degree

   Applicants who have applied for admission to the second degree program and are in the final semester of their first degree. The offer of admission will be rescinded if the applicant does not successfully complete the first degree. Admission to a specific major is not guaranteed.

   Applicants who are offered conditional admission must meet the conditions specified in their Letter of Offer. Admission will be rescinded if applicants fail to meet these conditions.

   **Note:** Students who plan to pursue one major and subsequently change to another major will be required to complete all compulsory courses for the new major.

k. **Returning After an Absence from the Faculty of Management**

Students returning after no more than a two-year absence may be readmitted to their program of studies in the Faculty of Management upon application to the University and the Faculty.

1. Management students in good standing who are returning after an absence of up to two years are eligible to return to their previous program of studies regardless of the current admission GPA.

2. Any student who takes transferable post-secondary courses during an absence must meet the current admission GPA requirement, grades on transferable courses included.

   Applicants who possess the degree B.Comm. or its equivalent from a recognized institution are not admissible to the B.Mgt. program.

5. **UNDERGRADUATE THESIS COURSE (HONOURS DESIGNATION)**

Qualified students in the Bachelor of Management degree, second degree in Management, and Post-Diploma Bachelor of Management programs may elect to complete an Undergraduate Thesis course (6.0 credit hours) linked to their declared major. Students who complete all requirements and satisfy the academic standards required for the undergraduate thesis course for their declared major are eligible to receive the 'Honours Thesis' designation on their official transcript and degree parchment. The Undergraduate Thesis course is Management 4995. Please note that not all eligible candidates will be selected. Approval will also be subject to the availability of appropriate supervision.

   a. **Application**

      Students are strongly recommended to apply to the Undergraduate Thesis course after completion of 10 U of L courses (30.0 credit hours) with a GPA of 3.30 or higher.

      Applications to the Faculty of Management Undergraduate Thesis course must include academic transcripts, a resume, a letter of intent and written consent from supervisors of each of the program requirements. The application is available from the Faculty of Management Undergraduate Programs Office or online at www.uleth.ca/management/programs-degrees/honours. Please see an Academic Advisor for more information.

   b. **Prerequisites**

      Prospective 'Honours Thesis' candidates must meet the following requirements:

      1. A GPA of 3.30 or higher on the last 10 U of L courses (30.0 credit hours) completed.

      2. Two honours-approved Management courses at the 3000/4000 level, one of which must be within the student's major.

      3. Management 4895 - Honours Component I

      4. Management 4896 - Honours Component II

      5. One of the following enrichment experiences:

         a. Management 3002 - Work Experience I

         b. Management 3091/3092 - Integrated Management Experience
c. **Supervision**

Each prospective candidate for the Undergraduate Thesis course is responsible for obtaining support from a faculty supervisor for the Undergraduate Thesis.

d. **Initial Approval**

1. The prospective student must present a Thesis Proposal to be approved by the supervisor and the Faculty of Management Honours Committee prior to registration for the course.

2. The supervisor will establish at the outset the weightings of the written and oral components of the thesis, as well as the procedure for determining the final grade.

3. Subsequent changes to the approved Thesis Proposal must be approved by the supervisor.

4. Admission to the course is achieved through approval of the supervisor and the Faculty of Management Honours Committee.

5. The student must register for the Undergraduate Thesis course by the last day for course Add/Drop for the given fall/spring semester or summer session.

e. **Final Assessment**

The final assessment for the undergraduate thesis is based on two criteria:

1. **Written Component**
   a. The Undergraduate Thesis must be a sustained piece of supervised research demonstrating a superior level of academic ability on a matter approved by the supervisor prior to registration in the course.
   b. The thesis should be of high quality and made publicly available by the Faculty of Management.

2. **Oral Component**
   The student will be required to make a formal oral presentation demonstrating the ability to articulate clearly the nature of the thesis undertaken, the research methodology and the results of the thesis. This component is a demonstration of the student's competence in oral communication and not necessarily an oral defence of the thesis, unless so designated by the Faculty.

f. **Eligibility for ‘Honours Thesis’ Designation**

Students are eligible to receive the ‘Honours Thesis’ designation on their official transcript and degree parchment only if they achieve a minimum grade of ‘B’ (3.00 or higher) for the Undergraduate Thesis course, and have satisfactorily completed the required oral component. Students who achieve grades between ‘D’ and ‘B-’, inclusive, and/or do not complete the oral component will retain credit for the equivalent of two courses (6.0 credit hours) but will not be eligible for the ‘Honours Thesis’ designation. Please refer to **Part 4 - Academic Regulations, Section 2.f. (p. 71)** for more information on the ‘Honours Thesis’ designation.

g. **Standards for Continuance**

In order to receive the ‘Honours Thesis’ designation on their official transcript and degree parchment, students must maintain a term GPA of at least 3.30 at the University of Lethbridge. Students will be given one semester “grace” if the term GPA falls below 3.30, to accommodate life circumstances.

Inquiries about the Undergraduate Thesis should be directed to the Faculty of Management Undergraduate Programs Office (M2060; tel. 403-329-2153; email: undergrad.management@uleth.ca; website: www.uleth.ca/management/programs-degrees/honours).

**Note:** The Management Undergraduate Thesis is not available for Combined Degrees programs.

6. **CO-OPERATIVE EDUCATION STUDIES**

Co-operative Education is a program that integrates students’ academic studies with full-time remunerated work experience directly related to their major area of study. Co-operative Education provides a well-rounded education and enriches academic knowledge with practical experience.

The Faculty of Management and those in the Co-op office who provide professional guidance; employment mentors and supervisors; and the Co-op student all share in the intellectual growth and the professional and personal development of the Co-op student.

Co-operative Education is available in all undergraduate Management programs. We encourage students to apply for placements at the end of the first year provided they meet the criteria specified above. Students are therefore encouraged to contact the Faculty of Management Co-operative Education Office as soon as possible in their programs.

Students who successfully complete the minimum required work terms and all requirements in their undergraduate management program will have the Co-op designation acknowledged on the official transcript and degree parchment.

While participating in a Co-op work term, students will be enrolled in one of the following courses that signify participation and contain the deliverables required to complete the work term successfully:

a. **Work Term Requirements**

Management 3002 - Work Experience I
Management 3003 - Work Experience II
Management 3004 - Work Experience III

Three optional four-month Co-op work terms may be served extra to degree prior to the conferral of the B.Mgt. degree:

Management 3005 - Work Experience IV
Management 3008 - Work Experience V
Management 3009 - Work Experience VI

Students must be registered for the entire duration of the work term(s) applied for and, once registered, are not permitted to withdraw from the work placement without penalty of failure. A grade of ‘F’ (fail) will be entered on the transcript for the whole term(s) unless extenuating circumstances warrant granting of a W (withdrawal with
7. ACADEMIC STANDARDS

To retain satisfactory academic standing students must maintain a cumulative grade point average of 2.00 or above at all stages in their progress toward a degree or certificate.

a. In Good Standing

To be in good standing, a student must maintain the following minimum cumulative GPA:

<table>
<thead>
<tr>
<th>Number of Completed Courses (includes transfer courses)</th>
<th>GPA (U of L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10</td>
<td>1.70</td>
</tr>
<tr>
<td>11-20</td>
<td>1.85</td>
</tr>
<tr>
<td>21 or more</td>
<td>2.00</td>
</tr>
</tbody>
</table>

b. Academic Probation

Students whose cumulative GPA falls below the levels identified above are considered to be on academic probation. A student on academic probation may not register in more than four courses in a semester.

c. Required Withdrawal for One Full Year

Students will be required to withdraw only following the spring semester. Students whose cumulative GPA, at the end of the spring semester, falls below the following for two consecutive semesters are required to withdraw for one full year from the Faculty of Management:

<table>
<thead>
<tr>
<th>Number of Completed Courses (includes transfer courses)</th>
<th>GPA (U of L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-10</td>
<td>1.50</td>
</tr>
<tr>
<td>11-20</td>
<td>1.70</td>
</tr>
<tr>
<td>21 or more</td>
<td>2.00</td>
</tr>
</tbody>
</table>

A student who has taken fewer than six courses at the University of Lethbridge will not be required to withdraw.

A student who completes courses in any School, Faculty or institution during the period of required withdrawal from the Faculty of Management is not permitted to count such courses for credit toward the B.Mgt. degree. Should a student take a course or courses which are required for fulfillment of his/her degree, additional courses will be assigned to meet that requirement. A student may repeat courses to raise his/her GPA.

A student required to withdraw for academic reasons must wait a minimum of 12 months from the date of the required withdrawal to reapply. An application for readmission must include evidence that the causes of previous unsatisfactory work have been identified and remedied. The Faculty of Management does not guarantee that students who have been Required to Withdraw will be permitted to return to their previous program of studies. A student who is readmitted after a required withdrawal is placed on academic probation for the next semester in which he/she registers.

8. REGULATIONS THAT APPLY TO COURSES TAKEN IN MANAGEMENT

a. Course Load

The usual course load for a full-time student is five courses (15.0 credit hours) per semester. Students in good standing may take up to six courses (18.0 credit hours) in the fall and spring semesters (see Part 2 - Registration, Section 6.b. Maximum Credit Hours, p. 54). Students may accelerate their programs by carrying heavier study loads or by attending summer sessions (see Summer Session chart, p. 54). Students may also complete degree requirements with a diminished course load or entirely on a part-time basis.

It should be stressed that heavy course loads are a common cause of poor academic performance.

b. Course Enrolment Limits

Enrolment limits are placed on Management courses to maintain the quality of instruction.

c. Prerequisite(s), Corequisite(s), and Recommended Background

Course prerequisites and corequisites must be met. Only students with the appropriate prerequisite(s) and/or corequisite(s) are considered for enrolment. For some courses, a recommended background is listed instead of, or in addition to, the prerequisite(s) and/or corequisite(s) so that the student may judge his or her own academic preparation (see Part 14 - Courses, Section 4.d.5. Prerequisite(s), Corequisite(s), Recommended Background, and Other Registration Restrictions, p. 296 and Part 4 - Academic Regulations, Policies and Program Requirements, Section 2.d. Waiver of Prerequisite/Corequisite, p. 71).

d. Applied Studies

Applied studies provide an opportunity to earn credit for an employment or volunteer experience with a significant learning component. Completion of a written report is required, which includes consultation of relevant literature and relation of theoretical precepts to practical experience.
Management students may earn a maximum of 18.0 credit hours in applied studies (see Part 4, Section 2.c, Exceeding Course Limits, p. 70), broken down as follows:

- a maximum of 6.0 credit hours in Management 3980-3981,
- a maximum of 6.0 credit hours in Management 4980-4981, and

Registration in Applied Studies courses is initiated by application to the Office of Applied Studies no later than the deadline published in the Timetable. Application packages may be obtained from the Office of Applied Studies (A H154; tel. 403-329-2000).

e. Independent Study

A student may be permitted to earn credit by Independent Study, designated by the numbers Management 3990 or Management 4990. A Independent Study may not be used to duplicate course offerings.

A proposal for study must be submitted to a faculty member who will supervise the proposed study. The student may proceed with a formal registration of the study when approval from the instructor and the Dean of the Faculty of Management has been obtained. It is advisable to register in the study in the semester in which the work is expected to be completed.

All applications for Independent Studies shall be reviewed by a committee of the Faculty of Management and no grade shall be registered until approved by the committee. Completion of a written research report is required; contact Student Program Services in the Faculty of Management for details.

The prerequisite for Management 3990 is third-year standing (a minimum of 60.0 credit hours), admission to the Faculty of Management, and successful application to a committee of the Faculty of Management.

The prerequisite for Management 4990 is fourth-year standing (a minimum of 90.0 credit hours), admission to the Faculty of Management, and successful application to a committee of the Faculty of Management.

A student may proceed with a formal registration of the study when approval from the instructor and the Dean of the Faculty of Management has been obtained. It is advisable to register in the study in the semester in which the work is expected to be completed.

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All applications for Independent Studies shall be reviewed by a committee of the Faculty of Management and no grade shall be registered until approved by the committee. Completion of a written research report is required; contact Student Program Services in the Faculty of Management for details.
212

B.Mgt.
As the first degree:
20 courses, including 10 3000/4000-level courses in Management.
Accounting residence requirement: see note below.
As the second degree:
15 courses, including at least 10 3000/4000-level courses in Management.
Accounting residence requirement: see note below.

Post-Diploma B.Mgt.
20 courses
Accounting residence requirement: see note below.

Management Certificate
5 courses after admission to a Certificate program in the Faculty of Management.

Professional Diploma in Accounting
5 courses towards the Professional Diploma in Accounting taken at the U of L.

Note: 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

Time Limit for Degree
All degree requirements must be completed within 10 years after acceptance into the Faculty of Management.
All certificate and Professional Diploma in Accounting requirements must be completed within five years after acceptance into the Faculty of Management.

General Liberal Education Requirement
See Part 4 - Academic Regulations, Section 10 (p. 83)

10. INSTITUTIONAL HONOURS

a. Dean's Honour List
Students with outstanding academic performance are recognized on the Dean's Honour List. The list is compiled twice yearly at the end of each of the fall and spring semesters. There are two ways to qualify for the Dean's Honour List:
1. Students completing four or more graded courses (12.0 credit hours or more) in one semester must achieve a grade point average of 3.75 or higher on these courses; or
2. Students completing fewer than four graded courses (12.0 credit hours) in one semester must achieve a GPA of 3.75 or higher on these courses and have a cumulative University of Lethbridge GPA of 3.75 or higher and have completed a minimum of four graded courses at the University, including those completed in the current semester.

b. Standards for Distinction and Great Distinction
Students who have displayed outstanding academic performance during their undergraduate degree programs are awarded their degrees 'With Distinction' or 'With Great Distinction.'
Students with a Graduation GPA of 3.50 to 3.74 are awarded their degree 'With Distinction.' Students with a graduation GPA of 3.75 or higher are awarded their degree 'With Great Distinction.' See Section 9.c. (p. 211) for information on how the graduation GPA is calculated.

11. BACHELOR OF MANAGEMENT (B.Mgt.)
Students may apply for admission to one of the following majors: Accounting; Computer Science; 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 are advised to take the following courses in their first year:
Management 1000 - Introduction to Management
Management 2100 - Introductory Accounting
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Statistics 1770 - Introduction to Probability and Statistics

One of:
W riting 1000 - Introduction to Academic Writing
A university English course

Students are strongly recommended to consult program planning materials, and complete certain courses in the recommended semesters, to graduate on schedule. These courses vary, depending on the chosen major.

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.

a. Core Requirements
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 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:
W1000 - Introduction to Academic Writing
A university English course

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

b. Major Requirements

1. Accounting

Economics 3030 - Managerial Economics
Management 3010 - Management Law
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

Two 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: A maximum of four Economics courses can be counted toward the GLER. Therefore, if Economics 2900 is chosen, students must take one non-Economics course from List II - Social Sciences or List III - Sciences (refer to Lists II and III, p. 85) instead of an elective to fulfill the GLER. Students choosing Statistics 2780 may take any elective offered by any Faculty.

One 3000/4000-level course offered by any Faculty

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 11, p. 83)

Four electives offered by any Faculty, any level

Note: Refer to 9.f. Residence Requirement (p. 211) for the Accounting residence requirement.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/acct_seq for a suggested sequencing plan for the Accounting major in the Bachelor of Management program.

2. Computer Science

Note: Due to the suspension of the Information Systems major, certain courses in the Computer Science major will not be offered after the 2013/2014 academic year, until further notice. This applies to Management 3821, 3830, 4840, and 4841. Students interested in the Computer Science major should choose Option A below and consult with a Management advisor.

* 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 3615 - Computer Architecture
* Computer Science 3620 - Data Structures and Algorithms
* Computer Science 3740 - Programming Languages

* Three additional 3000/4000-level Computer Science courses offered by the Department of Mathematics and Computer Science, at least one of which must be a regularly offered 4000-level course (excluding Computer Science 4850 - Topics in Computer Science, Computer Science 4980 - Applied Studies, and Computer Science 4990 - Independent Study).

Management 3821 - Visual Programming Applications
Mathematics 2000 - Mathematical Concepts

One of:
* Computer Science 3660 - Introduction to Database Systems
* Computer Science 3830 - Contemporary Database Applications

One of A or B:
A. *Computer Science 3720 - Introduction to Software Engineering, and
* Computer Science 3780 - Data Communications and Networking

OR
B. Management 4840 - Systems Analysis, and
Management 4841 - Systems Design

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Three 3000/4000-level courses offered by any faculty

Note: The Faculty of Management has an additional residence requirement of ten 3000/4000-level Management courses; an exception applies to Computer Science majors who can also use 3000/4000-level Computer Science courses to meet this requirement.

* A minimum grade of "C-" is required in these courses to meet degree requirements.
Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/cpsc_seq for a suggested sequencing plan for the Computer Science major in the Bachelor of Management program.

3. 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
Note: A maximum of four Economics courses can be counted toward the GLER. Therefore, if Economics 2900 is chosen, students must take one non-Economics course from List II - Social Sciences or List III - Sciences (refer to Lists II and III, p. 85) instead of an elective to fulfill the GLER. Students choosing Statistics 2780 may take any elective offered by any Faculty.

* Five Economics courses, four of which must be at the 3000/4000 level
Three 3000/4000-level Management courses
Four 3000/4000-level courses offered by any Faculty
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
Three electives offered by any Faculty, any level
Note: The Faculty of Management has an additional residence requirement of ten 3000/4000-level Management courses; an exception applies to Economics majors who can also use 3000/4000-level Economics courses to meet this requirement.

* A minimum grade of "C" is required in these courses to meet degree requirements.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/econ_seq for a suggested sequencing plan for the Economics major in the Bachelor of Management program.

4. Finance
Economics 3030 - Managerial Economics
Management 3412 - Fundamentals of Investments
Management 3470 - Corporate Finance
Management 4430 - Financial Management
Management 4451 - Derivative Securities Markets
Three of:
  Management 3441 - Financial Analysis
  Management 3460 - Global Financial Management
  Management 3480 - Personal Finance
  Management 4421 - Financial Institutions and Markets

One of:
  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

Note: A maximum of four Economics courses can be counted toward the GLER. Therefore, if Economics 2900 is chosen, students must take one non-Economics course from List II - Social Sciences or List III - Sciences (refer to Lists II and III, p. 85) instead of an elective to fulfill the GLER. Students choosing Statistics 2780 may take any elective offered by any Faculty.

Six 3000/4000-level courses offered by any Faculty
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
Four electives offered by any Faculty, any level

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fin_seq for a suggested sequencing plan for the Finance major in the Bachelor of Management program.

5. 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

Two 2000/3000/4000-level Native American Studies courses
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
MANAGEMENT

215

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
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
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

Any offering in 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 3000/4000-level Management courses
Three 3000/4000-level courses offered by any faculty
Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Three electives offered by any faculty, any level

Note: The Faculty of Management has an additional residence requirement of ten 3000/4000-level Management courses; an exception applies to First Nations’ Governance majors who can also use 3000/4000-level Native American Studies courses to meet this requirement.

A minimum grade of ‘C-‘ is required in these courses to meet degree requirements.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fng_seq for a suggested sequencing plan for the First Nations’ Governance major in the Bachelor of Management program.

6. General Management
Management 2700 - Research Methodology
Six 3000/4000-level Management courses
Seven 3000/4000-level courses offered by any faculty
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Three electives offered by any faculty, any level

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/gen_seq for a suggested sequencing plan for the General Management major in the Bachelor of Management program.

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

215
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

Seven 3000/4000-level courses offered by any Faculty
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/hr_bmgt for a suggested sequencing plan for the Human Resource Management and Labour Relations major in the Bachelor of Management program.

8. Information Systems

Note: Admission to the Major in Information Systems for the 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 4380 - Management Issues in Information Systems
Management 4840 - Systems Analysis
Management 4841 - Systems Design

One of:
Economics 2900 - Economics and Business Statistics
Statistics 2780 - Statistical Inference

Note: A maximum of four Economics courses can be counted toward the GLER. Therefore, if Economics 2900 is chosen, students must take one non-Economics course from List II - Social Sciences or List III - Sciences (refer to lists II and III, p. 85) instead of an elective to fulfill the GLER. Students choosing Statistics 2780 may take any elective offered by any Faculty.

Seven 3000/4000-level courses offered by any Faculty
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/is_bmgt for a suggested sequencing plan for the Information Systems major in the Bachelor of Management program.

9. International Management

Five of:
Management 3070 - Introduction to Supply Chain Management
Management 3460 - Global Financial Management
Management 3552 - Sustainable Tourism
Management 3640 - Cross-Cultural Management Practices
Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
Management 3685 - Issues in International Management (Series)
Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing Management 4580 - Environmental Management
Management 4640 - Cross-Cultural Work Study

Note: Students may take up to two Series courses to meet the “Five of” Elective requirement: two offerings in the Management 3685 series; two offerings in the Management 3815 series; or one offering from each series.

Five 3000/4000-level Management electives
Four 3000/4000-level courses offered by any Faculty
Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Two electives offered by any Faculty, any level

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:

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

Two electives chosen to meet the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Two electives offered by any Faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/mkt_seq for a suggested sequencing plan for the Marketing major in the Bachelor of Management program.

11. Political Science

Management 2700 - Research Methodology
Political Science 1000 - Introduction to Political Science
Political Science 2210 - Canadian Politics and Government
*Seven Political Science courses, four of which must be at the 3000/4000 level

Three 3000/4000-level Management courses
Four 3000/4000-level courses offered by any Faculty

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

One elective offered by any Faculty, any level

Note: The Faculty of Management has an additional residence requirement of ten 3000/4000-level Management courses; an exception applies to Political Science majors who can also use 3000/4000-level Political Science courses to meet this requirement.

* A minimum grade of 'C-' is required in these courses to meet degree requirements.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/poli_seq for a suggested sequencing plan for the Political Science major in the Bachelor of Management program.

12. POST-DIPLOMA BACHELOR OF MANAGEMENT

Students who are admitted to the Post-Diploma Bachelor of Management program cannot receive credit for courses at the University of Lethbridge for which they have equivalent credit in their diplomas. Substitute courses will be assigned by the Faculty of Management to replace any courses for which they have equivalent credit. Substitute courses must be approved by the Faculty of Management. Diploma courses that satisfy core requirements must have a minimum grade requirement of ‘C’. Students should consult with an academic advisor and see www.uleth.ca/postdiploma for information on specific diplomas.
a. Post-Diploma Program (25 course)

Students will complete 15 Management courses as specified in the General Management major that follows, and 10 Arts and Science or Fine Arts courses to complete a modified General Liberal Education Requirement as defined in Part 4 - Academic Regulations, Section 10 p. 83.

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:
Wri ting 1000 - Introduction to Academic Writing A university English course
Two 3000/4000-level Management courses
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 11, p. 83)
Two electives chosen from any list of the General Liberal Education Requirement (see Part 4, Section 11, p. 83)

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 post-diploma (25-course) program. If students choose a different Management major, they may be required to extend their programs beyond 25 courses (see Section 11, p. 218, in Part 11 - Faculty of Management). Students who take Economics 1010 and/or Economics 1012 as part of their degree requirements must achieve a minimum grade of 'C-'.

b. Post-Diploma Program (20 course)

Students will complete 10 Management courses as specified in the majors that follow, and 10 Arts and Science or Fine Arts courses to complete a modified General Liberal Education Requirement as defined in Part 4 - Academic Regulations, Section 10 p. 83. In some cases students will be assigned extra courses beyond 10 Management and 10 Arts and Science or Fine Arts courses. Extra courses are assigned where a diploma does not provide the appropriate background for the major chosen.

Eligibility for Majors
The Post-Diploma program is available in the following majors: Accounting; Finance; First Nations' Governance; General Management; Human Resource Management and Labour Relations; Information Systems; International Management; and Marketing. Students admitted to the Post-Diploma program are also eligible for participation in the Management Co-operative Education program (see Section 6, p. 209).

Core Requirements
Management 2070/Economics 2070 - Operations and Quantitative Management
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:
Wri ting 1000 - Introduction to Academic Writing A university English course

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

Major Requirements

1. Accounting
   Economics 3030 - Managerial Economics
   Management 3131 - Management Control Systems
   Management 3151 - Introduction to Tax
   Management 3160 - Auditing
   Management 4110 - Advanced Financial Accounting
   Management 4160 - Accounting Theory

Two of:
   Management 3101 - Intermediate Financial Accounting II
   Management 3170 - Accounting Information Systems
   Management 3470 - Corporate Finance
   Management 4130 - Advanced Managerial Accounting II
   Management 4151 - Advanced Tax
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

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Note: Refer to 9.f. Residence Requirement (p. 211) for the Accounting residence requirement.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/acct_pd_seq for a suggested sequencing plan for the Accounting major in the Post-Diploma Bachelor of Management program.

2. 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 Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fin_pd_seq for a suggested sequencing plan for the Finance major in the Post-Diploma Bachelor of Management program.

3. 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:
  *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
  *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
  *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.

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
*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

One 3000/4000-level Management course
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
Two additional non-Management electives
* A minimum grade of ‘C-’ is required in these courses to meet degree requirements.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fng_pd_seq for a suggested sequencing plan for the First Nations' Governance major in the Post-Diploma Bachelor of Management program.

4. General Management
Management 2700 - Research Methodology
Five Management courses at the 3000/4000 level
Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
Two electives chosen from any list of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/gen_pd_seq for a suggested sequencing plan for the General Management major in the Post-Diploma Bachelor of Management program.

5. Human Resource Management and Labour Relations
Management 2700 - Research Methodology
Management 3310 - Collective Labour Relations
Management 4310 - Advanced Organizational Behaviour
Management 4350 - Staffing

Two of:
Management 3080 - Managerial Skill Development
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

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)
One elective chosen from any list of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/hr_pd_seq for a suggested sequencing plan for the Human Resource Management and Labour Relations major in the Post-Diploma Bachelor of Management program.

6. Information Systems

Note: Admission to the major in Information Systems for the Post-Diploma 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
Management 3821 - Visual Programming Applications
Management 3822 - Object-Oriented Programming for Web Applications
Management 3830 - Contemporary Database Applications
Management 4380 - Management Issues in Information Systems
Management 4840 - Systems Analysis
Management 4841 - Systems Design
One of:
- Economics 2900 - Economics and Business
- Statistics 2780 - Statistical Inference

Three Fine Arts and Humanities courses chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/is_pd_bmgt for a suggested sequencing plan for the Information Systems major in the Post-Diploma Bachelor of Management program.

7. International Management

Four of:
- Management 3070 - Introduction to Supply Chain Management
- Management 3460 - Global Financial Management
- Management 3552 - Sustainable Tourism
- Management 3640 - Cross-Cultural Management Practices
- Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
- Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
- Management 3685 - Issues in International Management (Series)
- Management 3815 - Regional Aspects of International Management (Series)
- Management 3850 - Law and Institutions of International Trade
- Management 4220 - Cross-Cultural Marketing
- Management 4580 - Environmental Management
- Management 4640 - Cross-Cultural Work Study

Note: Students may take up to two series courses to 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.

Two 3000/4000 level Management electives

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

One elective chosen from any list of the General Liberal Education Requirement (see Part 4, Section 10, p. 83)

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:
- Minor: French
- Minor: German
- Minor: Japanese
- Minor: Spanish

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

Four courses in French
Four courses in German
Four courses in Japanese
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.

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/intl_mgt_pd_bmgt for a suggested sequencing plan for the International Management major in the Post-Diploma Bachelor of Management program.

8. Marketing

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

Two of:
- 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
13. MINORS

General Requirements

Students must complete at least four courses (12.0 credit hours), including at least one course (3.0 credit hours) at the 3000/4000 level. Required courses for each minor are listed below.

Students may not double count courses required for the minor in fulfilling requirements for their major or second minor. The four courses comprising the minor must be distinct from any such major or second minor requirements.

For students who complete the required courses, the minor will be acknowledged on the official transcript.

Minors are available in the Bachelor of Management degree, Post-Diploma Bachelor of Management degree, Professional Diploma in Accounting, Management Certificate and second degrees in Management. For minors available in Combined Degrees, refer to Part 13 - Combined Degrees.

a. First Nations Governance

A minor in First Nations’ Governance is available as an adjunct to all majors, except First Nations’ Governance.

The four courses required for the minor in First Nations Governance include:

Required Course:
Native American Studies 1000 - Introduction to Native American Studies

Three of:
Native American Studies 2100 - Aboriginal Peoples and Law
Management 3500/Native American Studies 3250 - Financial Management in Aboriginal Communities
Management 3506/Native American Studies 3506 - Aboriginal Small Business and Entrepreneurship in Canada
Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments
Management 4507/Native American Studies 4507 - Historical and Legal Aspects of First Nations’ Governments
Management 4508/Native American Studies 4508 - Administrative Aspects of First Nations’ Governments

Note: 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.

b. Information Systems

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

A minor in Information Systems is available as an adjunct to all majors, except Information Systems.

The four courses required for the minor in Information Systems include:

Required Course:
Management 3830 - Contemporary Database Applications

Three of:
Management 3170 - Accounting Information Systems
Management 3821 - Visual Programming Applications
Management 3862 - E-commerce Management
Management 3920 - Project Management
Management 4380 - Management Issues in Information Systems
Management 4840 - Systems Analysis

Note: 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.

c. International Management

A minor in International Management is available as an adjunct to all majors, except International Management.

The four courses required for the minor in International Management include:

Required Course:

One of:
Management 3650 - Introduction to International Management
Management 3070 - Introduction to Supply Chain Management
Management 3460 - Global Financial Management
Management 3552 - Sustainable Tourism
Management 3640 - Cross-Cultural Management Practices
Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
Management 3685 - Issues in International Management (Series)
Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing
Management 4580 - Environmental Management
Management 4640 - Cross-Cultural Work Study

1 If students choose Management 4640 - Cross-Cultural Work Study as their required International Management minor course, they cannot use it toward their exchange requirement.
### International Exchange Semester

Participation in an international exchange semester is required. Students complete one required course at the U of L and then complete the equivalent of three courses while on exchange at a partner school. Students have the option to take two summer exchanges in two different countries, or one summer exchange and Management 4640 - Cross-Cultural Work Study if they cannot participate in a full-semester exchange. Where possible, courses completed while on exchange will have international content; where international content is not possible, courses should reflect the unique cultural aspects of the host country or region.

- At least two courses must be Management courses
- One course may be a language or culture course

**Note:** 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.

### d. New Media

A minor in New Media is available as an adjunct to all majors and the four courses required for the minor include:

**Required Course:**
New Media 1000 - Introduction to New Media

**New Media 2005 - Design Fundamentals for New Media**

**Two of:**
- New Media 2030 - Digital Video Production
- New Media 3150 - Seminar in New Media Studies
- New Media 3250 - Media, Advertising, and Consumer Culture
- New Media 3520 - Web Design and Development

**Note:** New Media 3520 has a prerequisite of New Media 2010 or Art 3060.

### e. Population Health

A minor in Population Health is available as an adjunct to all majors and the four courses required for the minor include:

**Required Course:**
- 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

**Note:** 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.

### f. Social Responsibility

A minor in Social Responsibility is available as an adjunct to all majors and the four courses required for the minor include:

**Required Course:**
Management 3710 - Managing Not-for-Profit Organizations

**Three of:**
- Management 3250 - Social Marketing
- Management 3260 - Not-for-Profit Marketing
- Management 3290 - Marketing and Society
- Management 3315 - Diversity in Employment
- Management 3552 - Sustainable Tourism
- Management 3640 - Cross-Cultural Management Practices
- Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
- Management 3980 - Applied Study/Field Experience (with a not-for-profit organization)
- Management 4390 - Leading Organizational Change
- Management 4580 - Environmental Management
- Management 4640 - Cross-Cultural Work Study

**Note:** 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.

### g. Supply Chain Management

A minor in Supply Chain Management is available as an adjunct to all majors and the four courses required for the minor include:

**Required Course:**
Management 3070 - Introduction to Supply Chain Management

**Three of:**
- Management 3920 - Project Management
- Management 3980 - E-commerce Management
- Management 3130 - Cost Accounting
- Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise

**Note:** 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.

### 14. BACHELOR OF MANAGEMENT AS A SECOND DEGREE

Students with previous degrees, other than the degree B.Comm. or its equivalent, may pursue the degree B.Mgt. as a second degree. Second degree programs consist of the following:

- core requirements, which include specific Management and Arts and Science courses, and
- specific Management and Arts and Science courses, which are required for the chosen major.

A minimum of 15 courses, including 10 3000/4000-level Management courses, must be completed at the University of Lethbridge, extra to the first degree, in order to satisfy the residence requirement. Second degree programs will be developed individually and will be a maximum of 25 courses in length. Courses completed as part of a first degree may be used to waive course requirements in the B.Mgt. as a second degree. Such waivers will be decided at the time of admission by the Undergraduate Programs Office in the Faculty of Management.
15. DOUBLE MAJORS
Although the Faculty of Management does not recognize double majors as official student programs leading toward a Bachelor of Management degree, it will authorize the designation of the double major for all students who, upon graduation, have completed all of the minimum requirements for two majors.

Double majors can only be formed by completing the requirements of two established single disciplinary majors. Because all possible combinations of single disciplinary majors are eligible for double major designation by a student, the Faculty cannot guarantee that course sequencing and timetables will accommodate all double major combinations within four consecutive regular semesters of work. While students may intend to pursue two majors, only one major will be recognized on their official program forms and for establishing priority in access to courses. Double major status will only be designated upon application for graduation.

Interested students are encouraged to consult with Management Academic Advisors.

16. COMBINED DEGREES
There are Combined Degrees leading to the degrees B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. - New Media/B.Mgt., B.H.Sc./B.Mgt., B.Mgt./B.Ed. and Post-Diploma B.Mgt./B.Ed. Upon successful completion of the program, the student receives the degree B.A. or B.Sc. from the Faculty of Arts and Science or the degree B.Ed. (Career and Technology Studies (CTS): Business Focus) from the Faculty of Education or the degree B.F.A. - New Media from the Faculty of Fine Arts or the degree B.H.Sc. from the Faculty of Health Sciences, and the degree B.Mgt. from the Faculty of Management. Both degrees are granted upon the entire program is completed. Persons already holding baccalaureate degrees are not eligible for these programs.

For further information, please refer to Part 13 - Combined Degrees.

17. CERTIFICATE PROGRAMS
The Faculty of Management offers certificate programs with a focus in Finance; First Nations' Governance; General Management; Human Resource Management and Labour Relations; Information Systems*; International Management; and Marketing.

Please contact an Academic Advisor before applying to this program for information on course sequencing and possible waivers for equivalent courses already taken.

Management certificates are composed of a series of 10 required courses designed to provide a suitable combination of breadth and depth of knowledge in a specific area of study. These programs are designed to be completed on a part-time studies basis, and many of the certificate courses have prerequisite, corequisite and/or recommended background requirements that are above and beyond the 10 courses in the program. As a result, completion of this program will take more than one year of study. Please contact an Academic Advisor before applying to this program to discuss your specific program requirements.

*a Information Systems Certificate has been suspended (see p. 225)

Minimum Grade Requirement
A minimum grade of ‘C-’ is required in all courses taken towards a Certificate program.

16. COMBINED DEGREES
There are Combined Degrees leading to the degrees B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. - New Media/B.Mgt., B.H.Sc./B.Mgt., B.Mgt./B.Ed. and Post-Diploma B.Mgt./B.Ed. Upon successful completion of the program, the student receives the degree B.A. or B.Sc. from the Faculty of Arts and Science or the degree B.Ed. (Career and Technology Studies (CTS): Business Focus) from the Faculty of Education or the degree B.F.A. - New Media from the Faculty of Fine Arts or the degree B.H.Sc. from the Faculty of Health Sciences, and the degree B.Mgt. from the Faculty of Management. Both degrees are granted upon the entire program is completed. Persons already holding baccalaureate degrees are not eligible for these programs.

For further information, please refer to Part 13 - Combined Degrees.

17. CERTIFICATE PROGRAMS
The Faculty of Management offers certificate programs with a focus in Finance; First Nations’ Governance; General Management; Human Resource Management and Labour Relations; Information Systems*; International Management; and Marketing.

Please contact an Academic Advisor before applying to this program for information on course sequencing and possible waivers for equivalent courses already taken.

Management certificates are composed of a series of 10 required courses designed to provide a suitable combination of breadth and depth of knowledge in a specific area of study. These programs are designed to be completed on a part-time studies basis, and many of the certificate courses have prerequisite, corequisite and/or recommended background requirements that are above and beyond the 10 courses in the program. As a result, completion of this program will take more than one year of study. Please contact an Academic Advisor before applying to this program to discuss your specific program requirements.

a. Finance Certificate
Economics 1010 - Introduction to Microeconomics
Management 2100 - Introductory Accounting
Management 2400 - Management Accounting
Management 3040 - Finance
Management 3412 - Fundamentals of Investments
Management 3470 - Corporate Finance
Management 4430 - Financial Management
Statistics 1770 - Introduction to Probability and Statistics

One of:
Economics 2900 - Economics and Business Statistics
Statistics 2780 - Statistical Inference

One of:
Management 3441 - Financial Analysis
Management 3460 - Global Financial Management
Management 3480 - Personal Finance
Management 4421 - Financial Institutions and Markets
Management 4451 - Derivative Securities Markets
Management 4460 - Trading and Portfolio Management
Management 4470-4471 - Student Managed Investment Fund

b. First Nations’ Governance Certificate
Management 2030 - Introduction to Organizational Behaviour
Management 2100 - Introductory Accounting
Management 3080 - Managerial Skill Development
Native American Studies 1000 - Introduction to Native American Studies

One of:
Writing 1000 - Introduction to Academic Writing
A University English course

Two of:
Management 2020 - Marketing
Management 2400 - Management Accounting
Management 3010 - Management Law
Management 3031 - Managing Responsibly in a Global Environment
Management 3050/Political Science 3420 - Human Resource Management
Management 3061 - Information Systems and Management
Management 3315 - Diversity in Employment
Management 3360 - Organization Theory
Management 3500/Native American Studies 3250 - Financial Management in Aboriginal Communities
Management 3580/Native American Studies 3280 - Aboriginal Peoples and Natural Resources
Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments
Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
Management 3806 - Small Business Management
Management 3862 - E-commerce Management
Management 3920 - Project Management

A minimum of three 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
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
^1 Native American Studies 3700 - Native American Health
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 2100 - Aboriginal Peoples and Law
Native American Studies 2400 - Traditional Aboriginal Political Economy
Native American Studies 2800 - Native American Politics
Native American Studies 3400 - Contemporary Aboriginal Political Economy
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 2100 - Aboriginal Peoples and Law
Native American Studies 2400 - Traditional Aboriginal Political Economy
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
^2 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: One of Native American Studies 2100 or Native American Studies 2800
2. Prerequisite required: Native American Studies 3500

c. General Management Certificate
Economics 1010 - Introduction to Microeconomics
Management 2030 - Introduction to Organizational Behaviour
Management 2100 - Introductory Accounting
Management 3031 - Managing Responsibly in a Global Environment
Management 3050/Political Science 3420 - Human Resource Management
Management 3061 - Information Systems and Management
Any four 3000/4000-level courses in Management, which may include either one Management Applied Study or Management Independent Study

Management 2030 - Introduction to Organizational Behaviour
Management 2700 - Research Methodology
Management 3031 - Managing Responsibly in a Global Environment
Management 3050/Political Science 3420 - Human Resource Management
Management 3310 - Collective Labour Relations
Management 4310 - Advanced Organizational Behaviour
Management 4350 - Staffing
Two of:
Management 3080 - Managerial Skill Development
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:
Psychology 2030 - Methods and Statistics
Statistics 1770 - Introduction to Probability and Statistics

Note: Admission to the Information Systems Certificate has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).
e. Information Systems Certificate
Computer Science 1620 - Fundamentals of Programming I
Management 2030 - Introduction to Organizational Behaviour
Management 2060 - Introduction to Information Technology
Management 2100 - Introductory Accounting
Management 3061 - Information Systems and Management
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

f. International Management Certificate
Management 3650 - Introduction to International Management
Four of:
Management 3070 - Introduction to Supply Chain Management
Management 3460 - Global Financial Management
Management 3552 - Sustainable Tourism
Management 3640 - Cross-Cultural Management Practices
Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
Management 3685 - Issues in International Management (Series)
Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing
Management 4580 - Environmental Management
Management 4640 - Cross-Cultural Work Study

Note: Students may take up to two Series courses to 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.

One language course (3.0 credit hours) in French, Japanese, or Spanish

International exchange requirement: 12.0 University of Lethbridge credit hours

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.

In certain cases, 3.0 credit hours from the exchange are taken at the University of Lethbridge and the language course is then taken on exchange.

The 12.0 credit hours on exchange count toward meeting the minimum residence requirement for the certificate (see Section 9.f. p. 211).

g. Marketing Certificate
Economics 1010 - Introduction to Microeconomics
Management 2020 - Marketing
Management 3210 - Consumer Behaviour
Management 3220 - Marketing Research
Management 4230 - Marketing Management
Statistics 1770 - Introduction to Probability and Statistics

Four of:
Management 3080 - Managerial Skill Development
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 4210 - Advertising and Promotions
Management 4220 - Cross-Cultural Marketing

For complete information or to receive a brochure outlining the certificate program, please contact the Faculty of Management (M2060; tel. 403-329-2153).

18. PROFESSIONAL DIPLOMA IN ACCOUNTING (PDA)/CHARTERED PROFESSIONAL ACCOUNTANT (CPA) BRIDGING
The Faculty of Management offers a 10-course Professional Diploma in Accounting for students with an undergraduate degree seeking a Chartered Professional Accountant (CPA) designation or diploma in accounting.

Students can earn the PDA by completing the following 10 courses:
Management 3131 - Management Control Systems
Management 3160 - Auditing
Management 4110 - Advanced Financial Accounting
Management 4151 - Advanced Tax

Six of:
Management 2020 - Marketing
Management 3010 - Management Law
Management 3040 - Finance
Management 3061 - Information Systems and Management
Management 3101 - Intermediate Financial Accounting II
Management 3130 - Cost Accounting
Management 3151 - Introduction to Tax
Management 3170 - Accounting Information Systems
Management 3180 - Financial Reporting in a Case-Based Environment
Management 3470 - Corporate Finance
Management 4090 - Management Policy and Strategy
Management 4130 - Advanced Managerial Accounting II
Management 4160 - Accounting Theory

Minimum Grade Requirement
A minimum grade of 'C-' is required in all Management courses to meet Professional Diploma in Accounting requirements. It is important to note that the CPA professional body has their own minimum grade requirements. For further information, please contact an academic advisor or professional body representative.

Students are responsible for ensuring they have the necessary prerequisites and corequisites for any courses in which they are registered, before they begin their program. Please consult with an Academic Advisor.
SOCIAL WORK (THE UNIVERSITY OF CALGARY) - LETHBRIDGE DIVISION

1. ADVICE AND INFORMATION ...................................... 227
2. BACHELOR OF SOCIAL WORK PROGRAM ..................... 227
3. ADMISSION .............................................................. 227
   a. Transfer Students .............................................. 227
   b. After Degree Students ....................................... 227
4. PROGRAM REQUIREMENTS ........................................... 227
5. SOUTHERN ALBERTA M.S.W. FOR STUDENTS WITH A B.S.W. ........................................... 228

1. ADVICE AND INFORMATION
The following is an abridgement of program details and regulations provided in the University of Calgary Calendar, which should be consulted for official program information. Inquiries may be addressed to the Student Advisor, Faculty of Social Work (Southern Alberta Region), care of the University of Lethbridge.

2. BACHELOR OF SOCIAL WORK PROGRAM
The University of Calgary offers the Bachelor of Social Work (B.S.W.) program on the University of Lethbridge campus in Lethbridge.

   The objective of the Bachelor of Social Work program is to prepare students for entry-level general social work practice. The program provides opportunities for students to acquire sufficient knowledge, values and skills to enable them to maintain a professional standard of practice.

   In the Social Work program, students register with the University of Calgary, which awards their degree; however, they attend all classes at the University of Lethbridge campus and have full access to University of Lethbridge facilities.

3. ADMISSION
All students wishing to enter the program must complete two separate applications:

   Application to the University of Calgary (online at www.ucalgary.ca)
   Application to the Faculty of Social Work

   Applications are available online in October at www.ucalgary.ca/fswsouth.

   The deadline for application is March 1.

   a. Transfer Students

      By the end of spring session preceding the fall session for which entry is sought, applicants must have completed:
      19 non-social work half-course equivalents plus Social Work 201 - Introduction to Social Welfare.

      The prerequisite course listed above will be offered through the Faculty of Social Work and available to University of Lethbridge students on a Visiting Student or Open Studies Student basis. Please consult with the Faculty office for details on when this course is offered at 403-329-2794.

   b. After Degree Students

      Students who have completed an undergraduate degree and the Social Work 201 - Introduction to Social Welfare course may apply to the third year of the B.S.W. university transfer route. These students may also apply to the M.S.W. program at the Calgary site. The M.S.W. route requires two years of social work experience to be eligible to apply (3000 hours of volunteer or work experience in the human services).

      Once admitted to the program students may apply for advance credit for Social Work courses. Students will receive credit for a maximum of two half-courses in Social Work.

4. PROGRAM REQUIREMENTS
The B.S.W. curriculum consists of core content, field education and social work options. Following is a typical program profile for a regular student.

Year Three
Social Work 355 - Research in Context
Social Work 361 - Professional Use of Self
Social Work 363 - Human Development and Environments
Social Work 365 - Critical Approaches to Social Work Practice
Social Work 371 - Social Work and Diversity
Social Work 391 - Practice and Evaluation with Individuals
Social Work 393 - Practice and Evaluation with Families
Social Work 395 - Practice and Evaluation with Groups
Social Work 397 - Practice and Evaluation with Communities
Social Work 399 - Practice and Evaluation with Organizations

Year Four
Social Work 383 - Social Policy and Social Justice
Social Work 410 - Introductory Practicum (3 days per week)
Social Work 411 - Integrative Seminar: Portfolio-Based Application of Research and Theory in Practice
Social Work 412 - Integrative Seminar: Portfolio-Based Application of Research and Theory in Practice
Social Work 413 - Senior Practicum A & B (4 days per week)

   Three Social Work options

Note: Students must be registered full-time when they enrol in practicum.
Social Work 410 and 412 are field practicum courses that provide an opportunity for the student to be directly involved in social work practice. Successful completion of the practica is a requirement for continuation in the program.

Field settings where students have completed practica in the past include:
- Alberta Health Services: Addictions
- Alberta Health Services: Mental Health
- Alberta Health Services: Lethbridge Regional Hospital
- Associates Counselling Services
- Barons Eureka Warner FCSS
- British Columbia Ministry of Health
- Chinook High School
- Children's Care Services
- Claresholm Care Centre
- Crisis Intervention Program
- Crossroads Counselling
- Extendicare Health Services
- Family Centre
- Making Connections Programs
- Greystoke Homes & Support
- Harbour House
- Kainaiwa Children's Services
- Lethbridge AIDS Connection
- Lethbridge Community Corrections
- Lethbridge Family Services
- Lethbridge Immigrant Services
- Lethbridge School District #51 Elementary Schools
- Medicine Hat Family Services
- Office of the Public Guardian
- Palliser Regional Schools
- South West Alberta Child and Family Services
- St. Paul's School - ABC Program
- Tom Baker Cancer Centre: Lethbridge
- Winston Churchill High School
- Womanspace
- Woods Homes
- YWCA Outreach Program

5. SOUTHERN ALBERTA M.S.W. FOR STUDENTS WITH A B.S.W.

This clinically oriented Master of Social Work (M.S.W.) program prepares students for advanced clinical practice and for the supervision of practitioners. The program is also oriented to practice in small cities and rural communities.

The program features a flexible delivery model, allowing students to stay in their home communities and to maintain their employment through most or all of the program. The majority of courses will be delivered through a combination of face-to-face and online instruction. A few courses will be delivered entirely face-to-face or online. Six short periods of on-campus residency in Lethbridge, three or five days each for a total of 22 days, are required during two years.

Practica will be planned in consultation with each student. Where possible, and desired by students, practica will be arranged in students' home communities.

Courses

Students will be required to complete eight half-courses (seven half-courses for those pursuing the thesis route) as well as 525 hours of field-based practicum (one full-course equivalent). Although a one-year curriculum, this program will be delivered over a two-year period.

1. Comparative Approaches to Change
2. Clinical Social Work Applications
3. Evidence and Clinical Practice
4. Policy as Context for Clinical Work
5. Diversity Oppression and Social Justice
6. Elective I
7. Elective II
8. Elective III
9. Clinical Practicum and Integration (equivalent to two half-courses)

All courses are offered in a combination of face-to-face and online instruction.

Students may select a thesis route with permission of the faculty. A comprehensive examination or thesis is required after completion of all course work.
### COMBINED DEGREES

1. **BACHELOR OF FINE ARTS - ART/BACHELOR OF EDUCATION**  
   **BACHELOR OF SCIENCE/BACHELOR OF EDUCATION**  
   a. Admission  
   b. Faculty of Arts and Science Requirements  
   c. Faculty of Education Requirements  
   d. Major Requirements/Suggested Sequencing Plans  
   e. Education Minor Requirements  
   f. Academic Regulations  
   g. Residence Requirement  
   h. Education Special Study Arrangements

2. **ADVISING**

3. **BACHELOR OF ARTS/BACHELOR OF EDUCATION**

4. **BACHELOR OF FINE ARTS - ART/BACHELOR OF EDUCATION**
   a. Admission  
   b. Faculty of Fine Arts Requirements  
   c. Faculty of Education Requirements  
   d. Suggested Sequencing Plan  
   e. Academic Regulations  
   f. Education Minor Requirements  
   g. Residence Requirement  
   h. Education Special Study Arrangements

5. **BACHELOR OF FINE ARTS - DRAMATIC ARTS/BACHELOR OF EDUCATION**
   a. Admission  
   b. Faculty of Fine Arts Requirements  
   c. Faculty of Education Requirements  
   d. Suggested Sequencing Plan  
   e. Academic Regulations  
   f. Education Minor Requirements  
   g. Residence Requirement  
   h. Education Special Study Arrangements

6. **BACHELOR OF FINE ARTS - NEW MEDIA/BACHELOR OF EDUCATION**
   a. Admission  
   b. Faculty of Fine Arts Requirements  
   c. Faculty of Education Requirements  
   d. Suggested Sequencing Plan  
   e. Academic Regulations  
   f. Education Minor Requirements  
   g. Residence Requirement  
   h. Education Special Study Arrangements

7. **BACHELOR OF MUSIC/BACHELOR OF EDUCATION**
   a. Admission  
   b. Faculty of Fine Arts Requirements  
   c. Faculty of Education Requirements  
   d. Suggested Sequencing Plan  
   e. Academic Regulations  
   f. Education Minor Requirements  
   g. Residence Requirement  
   h. Education Special Study Arrangements

8. **BACHELOR OF MANAGEMENT/BACHELOR OF EDUCATION**
   a. Admission  
   b. Faculty of Management Requirements  
   c. Management Minor Requirements  
   d. Faculty of Education Requirements  
   e. Suggested Sequencing Plan  
   f. Academic Regulations  
   g. Education Minor Requirements  
   h. Education Specialization Requirements  
   i. Residence Requirement  
   j. Education Special Study Arrangements

9. **BACHELOR OF ARTS/BACHELOR OF MANAGEMENT**
   **BACHELOR OF SCIENCE/BACHELOR OF MANAGEMENT**
   a. Admission  
   b. General Requirements  
   c. Faculty of Arts and Science Requirements  
   d. Faculty of Management Requirements  
   e. Major Requirements  
   f. Suggested Sequencing Plan  
   g. Management Minor Requirements  
   h. Academic Regulations  
   i. Residence Requirement  
   j. Education Special Study Arrangements

10. **POST-DIPLOMA COMBINED DEGREES**
    **PROGRAMS IN FINE ARTS AND EDUCATION**
    a. Admission  
    b. Faculty of Fine Arts Requirements  
    c. Faculty of Education Requirements  
    d. Suggested Sequencing Plans  
    e. Academic Regulations  
    f. Education Minor Requirements  
    g. Residence Requirement  
    h. Education Special Study Arrangements

11. **POST-DIPLOMA COMBINED DEGREES**
    **PROGRAM IN MANAGEMENT AND EDUCATION**
    a. Admission  
    b. Faculty of Management Requirements  
    c. Management Minor Requirements  
    d. Faculty of Education Requirements  
    e. Suggested Sequencing Plan  
    f. Academic Regulations  
    g. Education Minor Requirements  
    h. Education Specialization Requirements  
    i. Residence Requirement  
    j. Education Special Study Arrangements

12. **BACHELOR OF FINE ARTS - NEW MEDIA/BACHELOR OF MANAGEMENT**
    a. Admission  
    b. General Requirements  
    c. Faculty of Fine Arts Requirements  
    d. Faculty of Management Requirements  
    e. Management Minor Requirements  
    f. Academic Regulations  
    g. Residence Requirement  
    h. Sample Sequence Plan
13. BACHELOR OF HEALTH SCIENCES/BACHELOR OF MANAGEMENT
a. Admission 289
b. General Requirements 290
c. Faculty of Health Sciences Requirements 290
d. Faculty of Management Requirements 290
e. Suggested Sequencing Plan 291
f. Management Minor Requirements 291
g. Academic Regulations 291

14. B.A. OR B.SC., AFTER COMPLETION OF A PROFESSIONAL DEGREE 291

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 cooperation 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 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 towards 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
      - 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:

   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:

<table>
<thead>
<tr>
<th>Arts and Science Major</th>
<th>Education Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>Social Studies Education</td>
</tr>
<tr>
<td>Art</td>
<td>Education Major</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>Science Education</td>
</tr>
<tr>
<td>Canadian Studies</td>
<td>Social Studies Education</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Science Education</td>
</tr>
<tr>
<td>Dramatic Arts</td>
<td>Drama Education</td>
</tr>
<tr>
<td>Economics</td>
<td>Social Studies Education</td>
</tr>
<tr>
<td>English</td>
<td>English Language Arts Education</td>
</tr>
<tr>
<td>French</td>
<td>Modern Languages Education: French</td>
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<td>French/German</td>
<td>Modern Languages Education: French/German</td>
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<td>French/Spanish</td>
<td>Modern Languages Education: French/Spanish</td>
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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
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.

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_be.

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

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.

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.

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.

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  
One 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, and Statistics 4990 (Independent Study) may replace Statistics 2780 in the list of required courses.

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
b. Immersion Pair
(for students who have completed French Language Arts 30, Français 30, or equivalent)

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
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/arts/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.

French/Moderne 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)

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/fren_ba_bed.

2. Modern Languages Education: German

Note: Admission to the Major in German/Moderne 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.
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/fr_en_germ_ba_bed.

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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/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/fr_en_span_ba_bed.
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
- Music 2161 - Musicianship Skills I
- Music 2180 - History I: Antiquity to the Mid-Renaissance
- Music 2248 - Studio II - (Instrument)
- Music 2260 - Theory II
- Music 2261 - Musicianship Skills II
- Music 2280 - History II: Late Renaissance and Baroque
- Music 3348 - Studio III - (Instrument)
- Music 3360 - Theory III
- Music 3361 - Musicianship Skills III
- Music 3448 - Studio IV - (Instrument)
- Music 3460 - Theory IV
- 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)

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

(Independent Study - Optional; may 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
- Kinesiology 2130 - Educational Dance
- Kinesiology 2135 - Educational Gymnastics

One of:
- Kinesiology 2160 - Management Perspectives
- Kinesiology 3300 - Leadership Skills Development

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

To determine if a given course in Kinesiology has a Humanities or Social Science designation, see List I: Fine Arts and Humanities Courses and List II: Social Science Courses (see Part 4 - Academic Regulations, Section 10, p. 83).

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/knes_ba_bed.

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
- Physical Activity 2130 - Educational Dance
- Physical Activity 2135 - Educational Gymnastics
- Physics 1050 - Introduction to Biophysics

One of:
- Kinesiology 2160 - Management Perspectives
- Kinesiology 3300 - Leadership Skills Development

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

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

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

Suggested Sequencing Plan
See www.uleth.ca/ross/sequencing-plans/knes_bsc_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)
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.
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
Biology 3610 - Prairie Conservation Biology
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.

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.

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

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.
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.

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 I
   Physics 2020 - The Physics of Everyday Life
   Physics 2120 - Introduction to Physics II
   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
   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
   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.

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)

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.

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**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).

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**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)

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**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)

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### 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.

### 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.

### 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/geo.ba.bed.

### 5. 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)

### 6. 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)
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.

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.

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 - Conducting 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.

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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

**One of (Quantitative Methods):**
- Economics 2900 - Economics and Business Statistics
- Geography 2700 - Geographical Data and Analysis
- Psychology 2030 - Methods and Statistics
- Sociology 2130 - Methods and Statistics
- 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.
f. Education Specialization Requirements

Students may elect to complete a specialization in addition to a major. The specialization must be a school subject and include at least one-half of the required courses in the major. Students should be aware of the Arts and Science regulations (Part 8) and the Faculty of Education requirements (Part 7). Students who wish to complete a specialization should consult the Associate Dean, Faculty of Education. Specializations are available in the following areas:

1. Education Specialization Requirements

Students may elect to complete a specialization in addition to a major. The specialization must be a school subject and include at least one-half of the required courses in the major. Students should be aware of the Arts and Science regulations (Part 8) and the Faculty of Education requirements (Part 7). Students who wish to complete a specialization should consult the Associate Dean, Faculty of Education. Specializations are available in the following areas:

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 University courses. Students applying for admission are required to submit completed course transcripts to the Faculty of Education, Program Services, Faculty of Education. Credit may be received for a maximum of two Study Tours courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education.
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 W riting 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. 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.


   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 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
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
   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

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 7 - Education, Section 7. Education Minors (p. 159) for information on Education minor requirements.
COMBINED DEGREES

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.

f. 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.


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 1020 and Biology 1220 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.

d. Suggested Sequencing Plan

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 1 do not contribute to the fulfillment of B.Ed. program requirements.
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.


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 3300 - Programming for Artists
New Media 3420 - Narrative for New Media I
New Media 3520 - Web Design and Development
New Media 3600 - Interaction Design

Three of:

New Media 3010 - Cinematography and Lighting
New Media 3300 - Theory and Aesthetics of Digital Games
New Media 3350 - History of Animation
New Media 3620 - Digital Effects and Compositing
New Media 3640 - Character Animation
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

**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.


**d. Suggested Sequencing Plan**


**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 University of Lethbridge 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.

- b. A minimum cumulative grade point average of 2.50 on all University of Lethbridge 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 Prerequisites, p. 157).
  
  Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enroll 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 1st 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 Writng 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)

   **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

   **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
       - W ind Orchestra
       - Women's Chorus
   - Studio string
     - Orchestra (or through other approved ensemble or Independent Study by permission of the Department of Music)

   **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.


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 completed within the semesters containing the last 20 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 I 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 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. 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 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. No 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.

   **W**hile 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.


5. Maintenance of a program GPA of 2.50 in the appropriate Education major.


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

Notes: 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.

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 Economics, Business, and Quantitative Management 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 3010 - Accounting
   - Management 3031 - Managing Responsibly in a Global Environment
   - Management 3040 - Finance
   - Management 3050/Political Science 3420 - Human Resource Management

265
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

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 3055 - 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

List 3 - Ecology and Evolutionary Biology
Biology 3605 - Conservation Biology
Biology 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: Chemistry 2000.
3 Prerequisite required: Environmental Science 2000.

d. Canadian Studies
Students must complete 15 of the 20 courses normally required for the major in Canadian Studies for the B.A. (see Part 7, 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
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.
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 3000 - 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

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

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.
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
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).

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.

Music

Students must complete a minimum of 16 courses.

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

Notes: 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

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 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
1 Engineering 2000 and Mathematics 1560 are prerequisites for Engineering 2060.
2 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 2210 - Philosophy of Religion
Philosophy 3260 - Metaphysics
Political Science 3510 - Political Thought Before 1500
Political Science 3525 - Politics and Religion
Sociology 3330 - Sociology of Religion
Two additional courses (6.0 credit hours) in Religious Studies at the 2000 level selected from Eastern Religions or Western Religions

2. Five additional courses (15.0 credit hours) in Religious Studies at the 3000/4000 level, excluding Religious Studies 3980 and 4980 (Applied Studies), and Religious Studies 4995 (Undergraduate Thesis)

Notes
1. Most of the courses in this list have prerequisites that are not part of the major.
2. A maximum of one Independent Study course (3.0 credit hours) may be used to fulfill the 3000/4000-level requirement.

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

cc. Sociology
Students must complete a minimum of 10 courses.

Required courses:
Sociology 1000 - Introduction to Sociology
Sociology 2100 - Research Methodology
Sociology 2300 - Committing Sociology
Sociology 3210 - Classical Sociological Theory
Sociology 3220 - Contemporary Sociological Theory

One of:
Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods

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

dd. Urban and Regional Studies
Students must complete 15 of the 21 courses normally required for the major in Urban and Regional Studies for the B.A. (see Part 7-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.

e. 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

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

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 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 4440 - 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
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

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

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

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.

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
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/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).

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 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
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 3a. 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 6.1.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 W riting 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.
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)  

**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)  

**Notes:** 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  
  - 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:
**COMBINED DEGREES**

**284**


**285**


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**).

**Suggested Sequencing Plans**


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

**Part 4, Section 2, 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.

**Part 8 - Education, Section 7, Education Minors (p. 159)**

**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).
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 Writi ng 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 Writi ng 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 Writi ng 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).

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).

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.


5. Maintenance of a program grade point average of 2.50 in the appropriate Education major.


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.
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:

- Academic proficiency, as demonstrated
  by grade achievement;
- Completed portfolio or essay
  alternative; and
- Summary Questionnaire

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.

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

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

New Media
Computer generated still
images, moving images
(video or animation) or
design (minimum of 10).
b. General Requirements for the 50-Course B.F.A. - New Media/B.Mgt.


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 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

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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?
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_bmg 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.
Instead of Pure Mathematics 30 or Mathematics 30-1, students may use U of L's Mathematics 6030.
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 1 - 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.
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 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 11 - Faculty of Management for all Management major requirements).

e. **Suggested Sequencing Plan**
   See www.uleth.ca/ross/sequencing-plans/health_sciences/pubh_hr_bhscl_bmgmt for a suggested sequencing plan for the B.H.Sc./B.Mgt. Combined Degrees program.

f. **Management Minor Requirements**

<table>
<thead>
<tr>
<th>Minor Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>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).</td>
</tr>
</tbody>
</table>

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 11, 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).
<table>
<thead>
<tr>
<th>COURSES</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. COURSE SUBJECT ABBREVIATIONS</td>
<td>294</td>
</tr>
<tr>
<td>2. WHERE TO GET MORE INFORMATION</td>
<td>294</td>
</tr>
<tr>
<td>3. COURSE NUMBERING SYSTEM.</td>
<td>294</td>
</tr>
<tr>
<td>4. DEFINITIONS</td>
<td>294</td>
</tr>
<tr>
<td>a. Semester</td>
<td>294</td>
</tr>
<tr>
<td>b. Course</td>
<td>294</td>
</tr>
<tr>
<td>c. Course Types</td>
<td>294</td>
</tr>
<tr>
<td>d. Course Elements</td>
<td>295</td>
</tr>
<tr>
<td>5. FEES</td>
<td>297</td>
</tr>
<tr>
<td>6. TIMETABLE</td>
<td>297</td>
</tr>
<tr>
<td>7. DISCLAIMER</td>
<td>297</td>
</tr>
<tr>
<td>8. HOW TO READ A COURSE DESCRIPTION</td>
<td>297</td>
</tr>
<tr>
<td>ADDICTIONS COUNSELLING (ADCS)</td>
<td>299</td>
</tr>
<tr>
<td>AGRICULTURAL BIOTECHNOLOGY (AGBT)</td>
<td>301</td>
</tr>
<tr>
<td>AGRICULTURAL STUDIES (AGST)</td>
<td>301</td>
</tr>
<tr>
<td>ANTHROPOLOGY (ANTH)</td>
<td>301</td>
</tr>
<tr>
<td>APPLIED STUDIES (APST)</td>
<td>304</td>
</tr>
<tr>
<td>ARCHAEOLOGY (ARKY)</td>
<td>305</td>
</tr>
<tr>
<td>ART (ART)</td>
<td>306</td>
</tr>
<tr>
<td>ART GRADUATE COURSES (ART)</td>
<td>309</td>
</tr>
<tr>
<td>ART HISTORY/MUSEUM STUDIES (AMHS)</td>
<td>310</td>
</tr>
<tr>
<td>ART HISTORY/MUSEUM STUDIES</td>
<td>312</td>
</tr>
<tr>
<td>ARTS AND SCIENCE (ASCI)</td>
<td>312</td>
</tr>
<tr>
<td>ARTS AND SCIENCE GRADUATE COURSES (ASCI)</td>
<td>313</td>
</tr>
<tr>
<td>ASIAN STUDIES (ASIA)</td>
<td>313</td>
</tr>
<tr>
<td>ASTRONOMY (ASTR)</td>
<td>313</td>
</tr>
<tr>
<td>BIOCHEMISTRY (BCHM)</td>
<td>314</td>
</tr>
<tr>
<td>BIOLOGY (BIOL)</td>
<td>314</td>
</tr>
<tr>
<td>BIOLOGY GRADUATE COURSES (BIOL)</td>
<td>318</td>
</tr>
<tr>
<td>BLACKFOOT (BKFT)</td>
<td>319</td>
</tr>
<tr>
<td>CAMPUS ALBERTA APPLIED PSYCHOLOGY (CAAP) (see below)</td>
<td></td>
</tr>
<tr>
<td>CANADIAN STUDIES (CNST)</td>
<td>320</td>
</tr>
<tr>
<td>CAREER DEVELOPMENT (CDEV)</td>
<td>320</td>
</tr>
<tr>
<td>CHEMISTRY (CHEM)</td>
<td>320</td>
</tr>
<tr>
<td>CHEMISTRY GRADUATE COURSES (CHEM)</td>
<td>322</td>
</tr>
<tr>
<td>COMPUTER SCIENCE (CPSC)</td>
<td>322</td>
</tr>
<tr>
<td>COMPUTER SCIENCE GRADUATE COURSES (CPSC)</td>
<td>325</td>
</tr>
<tr>
<td>CREE (CREE)</td>
<td>325</td>
</tr>
<tr>
<td>DRAMA (DRAM)</td>
<td>325</td>
</tr>
<tr>
<td>DRAMA GRADUATE COURSES (DRAM)</td>
<td>329</td>
</tr>
<tr>
<td>ECONOMICS (ECON)</td>
<td>330</td>
</tr>
<tr>
<td>ECONOMICS GRADUATE COURSES (ECON)</td>
<td>334</td>
</tr>
<tr>
<td>EDUCATION (EDUC)</td>
<td>334</td>
</tr>
<tr>
<td>EDUCATION GRADUATE COURSES (EDUC)</td>
<td>341</td>
</tr>
<tr>
<td>CAMPUS ALBERTA APPLIED PSYCHOLOGY (CAAP)</td>
<td>350</td>
</tr>
<tr>
<td>ENGINEERING (ENGG)</td>
<td>352</td>
</tr>
<tr>
<td>ENGLISH (ENGL)</td>
<td>353</td>
</tr>
<tr>
<td>ENVIRONMENTAL SCIENCE (ENVS)</td>
<td>357</td>
</tr>
<tr>
<td>EXCHANGE STUDENT (EXCH)</td>
<td>357</td>
</tr>
<tr>
<td>EXERCISE SCIENCE (EXSC)</td>
<td>358</td>
</tr>
<tr>
<td>FINE ARTS (FA)</td>
<td>358</td>
</tr>
<tr>
<td>FINE ARTS GRADUATE COURSES (FA)</td>
<td>359</td>
</tr>
<tr>
<td>FRENCH (FREN)</td>
<td>359</td>
</tr>
<tr>
<td>GEOGRAPHY (GEOG)</td>
<td>361</td>
</tr>
<tr>
<td>GEOGRAPHY GRADUATE COURSES (GEOG)</td>
<td>367</td>
</tr>
<tr>
<td>GEOLOGY (GEOL)</td>
<td>367</td>
</tr>
<tr>
<td>GERMAN (GERM)</td>
<td>368</td>
</tr>
<tr>
<td>GREEK (GREK)</td>
<td>368</td>
</tr>
<tr>
<td>HEALTH SCIENCES (HLSC)</td>
<td>368</td>
</tr>
<tr>
<td>HEALTH SCIENCES GRADUATE COURSES (HLSC)</td>
<td>372</td>
</tr>
<tr>
<td>HEBREW (HEBR)</td>
<td>372</td>
</tr>
<tr>
<td>HISPANIC STUDIES (HPST)</td>
<td>376</td>
</tr>
<tr>
<td>HISTORY (HIST)</td>
<td>372</td>
</tr>
<tr>
<td>INTERDISCIPLINARY STUDIES (IDST)</td>
<td>376</td>
</tr>
<tr>
<td>JAPANESE (JPNS)</td>
<td>377</td>
</tr>
<tr>
<td>KINESIOLOGY (KINES)</td>
<td>378</td>
</tr>
<tr>
<td>KINESIOLOGY GRADUATE COURSES (KINES)</td>
<td>381</td>
</tr>
<tr>
<td>LATIN (LATI)</td>
<td>382</td>
</tr>
<tr>
<td>LIBERAL EDUCATION (LBED)</td>
<td>382</td>
</tr>
<tr>
<td>LIBRARY SCIENCE (LIBSC)</td>
<td>383</td>
</tr>
<tr>
<td>LINGUISTICS (LING)</td>
<td>383</td>
</tr>
<tr>
<td>LOGIC (LOGI)</td>
<td>384</td>
</tr>
<tr>
<td>MANAGEMENT (MGT)</td>
<td>385</td>
</tr>
<tr>
<td>MANAGEMENT GRADUATE COURSES (MGT)</td>
<td>397</td>
</tr>
<tr>
<td>MATHEMATICS (MATH)</td>
<td>398</td>
</tr>
<tr>
<td>MATHEMATICS GRADUATE COURSES (MATH)</td>
<td>401</td>
</tr>
<tr>
<td>MUSIC (MUSI)</td>
<td>401</td>
</tr>
<tr>
<td>MUSIC GRADUATE COURSES (MUSI)</td>
<td>407</td>
</tr>
<tr>
<td>MUSIC ENSEMBLE ACTIVITY GRADUATE COURSES (MUSE)</td>
<td>408</td>
</tr>
<tr>
<td>MUSIC ENSEMBLE ACTIVITY GRADUATE COURSES (MUSE)</td>
<td>414</td>
</tr>
<tr>
<td>NATIVE AMERICAN STUDIES (NAS)</td>
<td>414</td>
</tr>
<tr>
<td>NEUROSCIENCE (NEUR)</td>
<td>417</td>
</tr>
<tr>
<td>NEUROSCIENCE GRADUATE COURSES (NEUR)</td>
<td>419</td>
</tr>
<tr>
<td>NEW MEDIA (NMED)</td>
<td>420</td>
</tr>
<tr>
<td>NEW MEDIA GRADUATE COURSES (NMED)</td>
<td>423</td>
</tr>
<tr>
<td>NURSING (NURS)</td>
<td>424</td>
</tr>
<tr>
<td>NURSING GRADUATE COURSES (NURS)</td>
<td>427</td>
</tr>
<tr>
<td>PHILOSOPHY (PHIL)</td>
<td>428</td>
</tr>
<tr>
<td>PHYSICAL ACTIVITY (PHAC)</td>
<td>432</td>
</tr>
<tr>
<td>PHYSICS (PHYS)</td>
<td>432</td>
</tr>
<tr>
<td>PHYSICS GRADUATE COURSES (PHYS)</td>
<td>435</td>
</tr>
<tr>
<td>POLITICAL SCIENCE (POLI)</td>
<td>435</td>
</tr>
<tr>
<td>PSYCHOLOGY (PSYC)</td>
<td>439</td>
</tr>
<tr>
<td>PSYCHOLOGY GRADUATE COURSES (PSYC)</td>
<td>442</td>
</tr>
<tr>
<td>PUBLIC HEALTH (PUBH)</td>
<td>442</td>
</tr>
<tr>
<td>RELIGIOUS STUDIES (RELS)</td>
<td>443</td>
</tr>
<tr>
<td>REMOTE SENSING (RMTS)</td>
<td>445</td>
</tr>
<tr>
<td>SOCIAL SCIENCES GRADUATE COURSES (SSCI)</td>
<td>445</td>
</tr>
</tbody>
</table>
1. COURSE SUBJECT ABBREVIATIONS
The University assigns an abbreviated designation to each course subject. These subject abbreviations are listed in parentheses for subjects included in this Calendar's course listings.

Other subjects that do not appear in the course listings in this Calendar are abbreviated as follows:

- Biomedical Science: BMOL
- Biosystems and Biodiversity: BSBD
- Earth, Space, and Physical Science: ESPS
- Evolution and Behaviour: EVBH
- Modern Languages: MODL
- Theoretical and Computational Science: TCSC

2. WHERE TO GET MORE INFORMATION
Students may obtain information about the content of a specific course by inquiring at the academic unit - Department, School or Faculty - which offers that course.

Information about which courses will be offered - when, where and by which instructor - is provided in the current semester Timetable, available at the Registrar's Office and online at www.uleth.ca/ross/timetable.

3. COURSE NUMBERING SYSTEM
The first digit indicates the level of the course:

- 000 - 0999: Elementary courses.
- 1000 - 1998: Introductory courses usually taken during the first year. The basic course in each subject is usually 1000.
- 2000 - 2998: Intermediate courses usually taken during the first and second years.
- 3000 - 3998: Senior courses usually taken during the third year.
- 4000 - 4998: Senior courses usually taken during the fourth year.
- 5000 - 5998: Master's-level courses taken after admission to a graduate program and available to other students only with Faculty/School permission.
- 6000 - 6014, 6100: Master's-level courses which designate thesis and project work.
- 6600 - 6999: Master's-level courses in the Campus Alberta Applied Psychology program.
- 7000 - 7998: Doctoral-level courses taken after admission to a graduate program.
- 8000: Doctoral-level courses which designate thesis.
- 1850, 2850, 3850, 4850, 5850, 7850: Numbers which designate Independent Study courses in various disciplines at the undergraduate level (3.0 credit hours).
- 5990, 7990: Numbers which designate Independent Study courses in various disciplines at the graduate level (3.0 credit hours).
- 5991, 7991: Numbers which designate Independent Study courses in various disciplines at the graduate level (1.5 credit hours).
- 4995: Undergraduate Thesis courses.

4. DEFINITIONS
a. Semester
Semester refers to a period of study (see the Glossary for more information, p. 595). Students should consult the Academic Schedule (p. 15) at the front of this Calendar to learn the specific dates for the start and end of each semester.

b. Course
Course refers to a unit of study (called a course or course equivalent) normally studied for one semester. A course normally carries a weighting of three credit hours. The University offers some units of study which deviate from this norm.

c. Course Types
1. Applied Studies
An opportunity for students to gain University course credit for volunteer or employment experience. Students should see the Coordinator of Applied Studies for specific information (AH154; tel. 403-382-7154).

2. Independent Study
A course for which credit is earned through individual study under the supervision of an instructor. This option may be elected as early as the second semester or as late as the last, depending upon the capability of the student for undertaking academic work with a minimum of guidance. Course work may require library and/or field research and/or a major term paper.

Students wishing to improve their grade in an Independent Study course must repeat the section with the identical title (see Part 4 - Academic Regulations, Section 3.b. Repeat of a Course, p. 70 for more information).

For further information, students should consult the Department or the Faculty member under whom they wish to pursue an Independent Study (see also the Independent Study sections in Part 7 - Faculty of Arts and Science, p. 100; Part 8 - Faculty of Education, p. 159; Part 9 - Faculty of Fine Arts, p. 173; Part 10 - Faculty of Health Sciences, p. 197; Part 11 - Faculty of Management, p. 211).
3. Series
A course which is offered regularly at the University of Lethbridge, but whose content may vary with different offerings. Each Series has one number (e.g., Anthropology 3100, English 3700) and different offerings in the series are indicated by the title of the course, as listed in the current semester Timetable. Students may take more than one offering of a Series course for credit if the offerings are distinct (i.e., if each offering taken has a different title).

Students wishing to improve their grade in a Series course must repeat the section with the identical title (see Part 4 - Academic Regulations, Section 2.b. Repeat of a Course, p. 70 for more information).

A Series course may be specified as a required course in a major or program.

4. Topics
A course which is not offered regularly at the University of Lethbridge and whose content varies with different offerings. Any Faculty or School may offer Topics courses. Each Topics course is identified by the number 1850, 2850, 3850, 4850 or 7850, and different offerings are indicated by the title of the particular section, as listed in the current semester Timetable. Students may take more than one offering of a Topics course for credit if the offerings are distinct (i.e., if each offering taken has a different title).

Contact hours for Topics courses may vary according to the nature of the course. Check the specific Topics offering for complete information.

Students wishing to improve their grade in a Topics course must repeat the section with the identical title. From time to time, Topics offerings are made into regularly scheduled courses and listed in the Calendar. In this case, students must complete the regularly scheduled course that corresponds to the particular Topics offering in order to improve their grade (see Part 4 - Academic Regulations, Section 2.b. Repeat of a Course, p. 70 for more information).

A Topics course cannot be specified as a required course in any major or program.

5. Cross-Listed
A cross-listed course is a single course originating from two different faculties or two different departments within the same faculty. Cross-listed courses appear in the Calendar and on student’s academic records in the dual form, for example, Management 2070/Economics 2070.

6. Online
Courses may be offered online or have online components. Such courses are identified in the current semester Timetable. The course information listed in the Calendar (e.g., credit hours, course description, etc.) applies to all offerings of that course.

7. Placeholder
a. Active Student Status
A Placeholder course (e.g., Education 5999, New Media 4999) that enables students not registered in credit courses to maintain active student status in their program. No credit hours are attached to this Placeholder.

b. Continuing Student Status
A Placeholder course (e.g., Agricultural Studies 3999, Environmental Science 3999, Visiting 9999, Exchange 9999) that enables students registered elsewhere to maintain continuing student status for registration purposes. No credit hours are attached to this Placeholder.

c. Full-Time Status
Professional Seminar I and II Placeholder courses (i.e., Education 3599 and Education 3699) which facilitate block-registration arrangements to be finalized by the Faculty of Education. For student loan/scholarship enrolment verification purposes, 15.0 credit hours are attached to this Placeholder.

8. Graduate Level
The Master of Arts (M.A.) and Master of Science (M.Sc.) course requirements are determined at the time of admission to the program. Students in the M.A. and M.Sc. programs may take senior undergraduate courses for credit at the graduate level. For example, a course may have both senior undergraduate and graduate students participating; the undergraduate students will be enrolled in 3xxx or 4xxx whereas the graduate student will be enrolled in 5xxx. For further information on course requirements, see the applicable program-specific part of the University of Lethbridge 2015/2016 Graduate Studies Calendar.

The Master of Education (M.Ed.) program requires students to complete core courses and electives to satisfy degree requirements. The courses are listed under ‘Education, Master of Education Courses’ in this Part. For further information on course requirements for the M.Ed. program, see the applicable program-specific part of the University of Lethbridge 2015/2016 Graduate Studies Calendar.

The Master of Science (Management) program requires students to complete four modules composed of specific courses listed in this Part under ‘Management, Master of Science (Management) Courses’. For further information on course requirements for the M.Sc. (Management) program, see the applicable program-specific part of the University of Lethbridge 2015/2016 Graduate Studies Calendar.

The Doctor of Philosophy (Ph.D.) course requirements are determined at the time of admission to the program. For further information on course requirements for the Ph.D. program, see the applicable program-specific part of the University of Lethbridge 2015/2016 Graduate Studies Calendar.

d. Course Elements
1. Subject and Course Number
The subject identifies the course discipline, and the course number identifies the course level (see Section 3. Course Numbering System, p. 294).
2. Course Title

A descriptive title is given for each subject and course number. The title of a given course may occasionally change. A change in course title does not constitute a new course. Accordingly, students who repeat a course with the same subject and course number, regardless of the course title, are bound by the regulations given in Part 4 - Section 2.b. Repeat of a Course, p. 70.

Special regulations apply to Topics and Series courses (see Section 4.c.3. Series, p. 295 and 4.c.4. Topics, p. 295).

3. Credit Hours

The weighting factor of a course when determining grade point average. Regular full-semester credit courses carry a weighting of 3.0 credit hours, while half-credit courses carry a weighting of 1.5 credit hours. Some courses carry non-standard credit hours (e.g., Art 3040 is worth 6.0 credit hours). A student requires a minimum of 120.0 credit hours to complete a standard four-year degree at the University of Lethbridge.

4. Contact Hours

There are two types of contact hours: (1) Hours per week, and (2) Other hours. ‘Hours per week’ are regularly scheduled weekly meeting times, while ‘Other hours’ are meeting times which are scheduled at irregular times over the semester.

Hours per week (regular): a-b-c
   a - number of required lecture or studio* hours per week
   b - number of required laboratory hours per week
   c - number of required hours per week in a different setting (e.g., tutorial)

Other hours (irregular): d-e-f
   d - number of required lecture or studio* hours per semester
   e - number of required laboratory hours per semester
   f - number of required hours per semester in a different setting (e.g., tutorial, field trip, rehearsal)

All contact hours may be delivered by a number of means, including, but not limited to, the following:

   • a regular University classroom
   • a University computer lab
   • online
   • an off-campus location

* Studio courses are identified as such in the offering note for the course.

5. Prerequisite(s), Corequisite(s), Recommended Background, and Other Registration Restrictions

Some courses require an appropriate background of knowledge as indicated by the prerequisite(s), corequisite(s) and recommended background. A prerequisite must be completed successfully before a student is eligible to register in a given course. A corequisite must be taken prior to or in conjunction with another course. Students who have previously passed such a course will be deemed to have met the corequisite requirement.

A student lacking the prerequisite or corequisite for a particular course may apply for a waiver of prerequisite/corequisite from the Faculty/School offering the course.

For some courses, a recommended background is listed instead of, or in addition to, prerequisite(s) and corequisite(s) so that the student may judge his or her own academic preparation.

Prerequisites, corequisites and recommended backgrounds are normally expressed in terms of Alberta high school subjects, one or more courses, admission to programs offered by the University of Lethbridge, year of standing, and/or other special requirements.

A prerequisite or recommended background that specifies year of standing indicates that students are expected to have attained a certain level of academic or intellectual advancement prior to registering in a particular course.

For some courses, students may not exceed a defined year of standing prior to registering in the course. These courses are closed to students who have taken more than the specified number of courses or who are beyond the determined year of standing at the time of registration. These limits are applied when a course is targeted to a specific group of junior students.

Although students may choose to have their program requirements governed by the Calendar in effect at the time of their most recent admission to the University (see Part 1 - Admission, Section 9.f. Year of the Calendar, p. 48), all students are bound by the current Calendar with regard to prerequisites, corequisites and recommended backgrounds for individual courses.

6. Equivalent

Equivalent courses can be substituted, one for the other, to meet any specified course requirement. The regulations that apply to repeated courses also apply to equivalent courses. Students should note, in particular, the calculation of grade point average (see Part 4 - Section 2.b. Repeat of a Course, p. 70).

Note: A course offered at a given level (2000-, 3000-, 4000-level) will be used to meet requirements only at that level.

7. Substantially Similar

Substantially similar courses contain a high percentage of similar course content but are not deemed equivalent. Students cannot use a substantially similar course to replace another course specified as a prerequisite. Students completing substantially similar courses must complete more than the minimum number of courses required in the program (see Part 4 - Section 2.c.1. Substantially Similar Course Limits, p. 70).

8. Grading

Grading indicates what type of grade will be awarded as defined in Part 4 - Academic Regulations. The standard grading mode employed by instructors is a letter grade; the alternative grading mode is Pass/Fail. Credit/Non-Credit, which is at the discretion of the student, is not a grading mode.
5. FEES
For complete information about all fees, including additional fees for field trips, major specialty, etc., see Part 3 - Fees.

6. TIMETABLE

Normally classes start at 8:00 a.m. on a 50-minute schedule Mondays, Wednesdays and Fridays, and on a 75-minute schedule Tuesdays and Thursdays. Some classes may be scheduled on a Saturday, if necessary, or in the evening. Normal lecture time is three hours per week, excluding laboratories. Special timetabling is arranged for summer session.

PHYSICS 1000
Introduction to Physics I
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-6
Prerequisite(s): Physics 30 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500
Corequisite(s): Mathematics 1560
Substantially Similar: Physics 1050

PHYSICS 1000 is substantially similar to Physics 1050. See Section 7. Substantially Similar on page 296.

Mathematics 1560 is a corequisite for Mathematics 1000. See Section 5. Prerequisite(s), Corequisite(s), Recommended Background, and Other Registration Restrictions on page 296.

MUSIC ENSEMBLE ACTIVITY 2560
Women's Chorus III
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women's chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women's Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 1551 or Music Ensemble Activity 1561 AND Audition
Equivalent: Music Ensemble Activity 2850 (Women's Chorus)
(prior to 2010/2011)
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

Music Ensemble Activity 2560 is equivalent to the 'Women's Chorus' offering in the Music Ensemble Activity 2850 Topics Course, which was discontinued effective May 1, 2010. See Section 6. Equivalent on page 296 and Section 4. Topics on page 295.

Additional information related specifically to the course not covered elsewhere in the description.

7. DISCLAIMER
The appearance of a course in this Calendar does not guarantee that the course will be offered during the academic year for which this Calendar is published.
The University reserves the right to add, modify or withdraw any course or courses without notice.

8. HOW TO READ A COURSE DESCRIPTION
See examples below. See also Additional Prerequisite(s)/Corequisite(s)/Recommended Background examples on the next page.
### ADDITIONAL PREREQUISITE(S)/COREQUISITE(S)/RECOMMENDED BACKGROUND EXAMPLES

Prerequisite(s), corequisite(s) and recommended background may require a single item or more than one item.

A specified item may be a single course, a course chosen from a list, year of standing, admission to a University of Lethbridge program, or some other special requirement (for example, an audition, an interview, a specified cumulative grade point average).

When a student must complete two or more prerequisites, items are separated by ‘AND’ (see example #1 below).

When a student must complete one course chosen from a list, the items are normally preceded by ‘One of’ (see Physics 1000, p. 311 above).

When a student may satisfy the prerequisite(s)/corequisite(s) by alternate methods, the alternatives are normally separated by ‘OR’ (see example #2 below).

#### EXAMPLE 1

<table>
<thead>
<tr>
<th>Prerequisite(s): Biochemistry 2000 AND Chemistry 2600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corequisite(s): Chemistry 2740</td>
</tr>
</tbody>
</table>

In this example, two prerequisites and one corequisite must be met to register in the course.

To meet the prerequisites, students must have completed Biochemistry 2000 AND Chemistry 2600.

To meet the corequisite, students must complete or have previously completed Chemistry 2740.

#### EXAMPLE 2

| Prerequisite(s): Biology 2200 AND Environmental Science 2000 OR Admission to the Post-Diploma B.Sc. in Environmental Science program |

In this example, either one or two prerequisites must be met to register in the course. To meet the prerequisites, students must have completed Biology 2200 AND Environmental Science 2000.

However, students who have been admitted to the Post-Diploma B.Sc. in Environmental Science program are not required to present Biology 2200 and Environmental Science 2000.
### ADDICTIONS COUNSELLING 1000
**Introduction to Addiction Studies**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- Overview of the major concepts, theories, prevalence and issues concerning addictive behaviours and approaches for individual and community interventions.
- **Equivalent:** Health Sciences 1000 (Introduction to Addiction Studies) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 1020
**Introduction to the Counselling Interview**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-3-0
- An introduction to the basic concepts, skills and self-awareness required for interviewing and talking with individuals who are struggling with personal or professional problems. Approaches to individual and intercultural interviewing, including attending to behaviours and communication, use of questions, client observation, emotions and interview structure will be addressed.
- **Equivalent:** Health Sciences 1020 (Introduction to the Counselling Interview) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 1220
**Counselling I (Individual Counselling)**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-3-0
- Introduction to the theory and practice of counselling in general, and of individuals experiencing addiction and related problems.
- **Prerequisite(s):** Addictions Counselling 1020 AND Psychology 1000
- **Equivalent:** Health Sciences 1220 (Counselling I (Individual Counselling)) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 2050
**Internship in Addictions Counselling I**
- **Credit hours:** 15.0
- **Contact hours per week:** 3-0-32
- Students observe and participate in the practice of addictions counselling in a fieldwork experience. Weekly seminars facilitate the integration of theory, practice and research.
- **Prerequisite(s):** Addictions Counselling 2120 AND Addictions Counselling 2245
- **Equivalent:** Health Sciences 2050 (Internship in Addictions Counselling I) (prior to 2014/2015)
- **Grading:** Pass/Fail

### ADDICTIONS COUNSELLING 2120
**Counselling II (Group Counselling)**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-4-0
- Theories and techniques of counselling individuals and groups are examined. Lab work includes techniques for working with individuals and groups of addicted persons.
- **Prerequisite(s):** One of Addictions Counselling 1220 or admission to the Post-Diploma B.H.Sc. program
- **Corequisite(s):** Addictions Counselling 2245
- **Equivalent:** Health Sciences 2120 (Counselling II (Group Counselling)) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 2235
**First Nations Counselling**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- Introduction to counselling with First Nations populations. First Nations issues as well as specific mainstream and traditional counselling approaches will be explored.
- **Prerequisite(s):** Addictions Counselling 1020

### ADDICTIONS COUNSELLING 2245
**Assessment of Addictions**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-2-0
- This course will provide students with the necessary knowledge and skills to identify and understand individuals with needs related to addictions and plan interventions in partnership with the client.
- **Prerequisite(s):** Addictions Counselling 1000 AND Addictions Counselling 1020 OR Admission to the Post-Diploma B.H.Sc. program
- **Equivalent:** Health Sciences 2245 (Assessment of Addictions) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 3002
**Health Education and Promotion**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- An ecological examination of the epidemiological, social, cultural, economic and policy contexts of addictions and health. Theories, models, skills and strategies pertaining to individuals, groups and populations for health education, promotion, and prevention will be explored.
- **Prerequisite(s):** Second-year standing (a minimum of 30.0 credit hours)
- **Equivalent:** Health Sciences 3002 (Health Education and Promotion) (prior to 2014/2015)

### ADDICTIONS COUNSELLING 3120
**Counselling III (Family Counselling)**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-4-0
- Theories and techniques of counselling families who are struggling with problems of addictions are examined. Practical work focuses on further development of counselling skills as applied to families.
- **Prerequisite(s):** Addictions Counselling 2120
- **Equivalent:** Health Sciences 3120 (Counselling III (Family Counselling)) (prior to 2014/2015)
ADDICTIONS COUNSELLING 3130
Diversity and Counselling
Credit hours: 3.0
Contact hours per week: 3-0-0
Cross-cultural perspectives on substance use and abuse, gambling, eating disorders and other behaviours considered ‘addictive’ in Western society and implications for developing helping relationships and culturally appropriate programs.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 3130 (Diversity and Counselling) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3140
Behavioural Pharmacology
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the behavioural and physiological effects of drugs as well as the neurological and pharmacological mechanisms by which they have their effects.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the Faculty of Health Sciences
Equivalent: Health Sciences 3140 (Neuropsychology of Addictions) (prior to 2014/2015)
Substantially Similar: Health Sciences 1225 (prior to 2012/2013)

ADDICTIONS COUNSELLING 3150
Adult Psychopathology
Credit hours: 3.0
Contact hours per week: 3-0-0
A detailed examination of the assessment, causes and treatment of adult mental health disorders.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the Faculty of Health Sciences
Equivalent: Health Sciences 3150 (Adult Psychopathology) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3240
Concurrent Disorders
Credit hours: 3.0
Contact hours per week: 3-0-0
Current issues relating to addictions, mental health and the interrelationships between the two. The particular focus will be dependent upon the interests of students, faculty and items of current societal interest.
Prerequisite(s): Addictions Counselling 2050 AND Addictions Counselling 3120 AND Addictions Counselling 3130 AND Addictions Counselling 3150 OR Admission to the Post-Diploma B.H.Sc. program
Equivalent: Health Sciences 3240 (Issues in Addiction and Mental Health) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3260
Research in Addictions
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the concepts and methods of scientific investigation applied to addictions research in preparation for evidence-based practice.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the Faculty of Health Sciences
Equivalent: Health Sciences 3260 (Research in Addictions) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3420
Ethics in Addictions Counselling
Credit hours: 3.0
Contact hours per week: 3-0-0
Legal, ethical and professional issues in counselling practice will be examined utilizing a case study approach.
Prerequisite(s): One of Addictions Counselling 2050, Philosophy 1000, or admission to the Post-Diploma B.H.Sc. (Addictions Counselling) program.
Equivalent: Health Sciences 3420 (Ethics in Addictions Counselling) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3729
Studies in Specific Addictive Disorders (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of the issues and interventions relevant to particular addictions.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the Faculty of Health Sciences
Equivalent: Health Sciences 3749 (Studies in Specific Addictive Disorders) (prior to 2014/2015)

ADDICTIONS COUNSELLING 3739
Addictions in Particular Populations (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of the issues and interventions relevant to particular population groups.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the Faculty of Health Sciences
Equivalent: Health Sciences 3759 (Addictions in Particular Populations) (prior to 2014/2015)

ADDICTIONS COUNSELLING 4050
Internship in Addictions Counselling II
Credit hours: 15.0
Contact hours per week: 3-0-32
Students participate, at an advanced level, in the practice of addictions counselling in a fieldwork setting. Seminars facilitate the integration of theory, practice and research.
Prerequisite(s): Addictions Counselling 2050 AND Addictions Counselling 3120
Equivalent: Health Sciences 4050 (Internship in Addictions Counselling II) (prior to 2014/2015)
Grading: Pass/Fail
### Addictions Counselling 4200 - Anthropology 1000

**Addictions Counselling 4200**
Community Development and Outreach

- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0

Theory and practice of community development applied to planning, implementation and evaluation of community-level outreach and strategies to address addictions and related problems.

**Equivalent:** Health Sciences 4200

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<td>3.0</td>
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<td>Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.</td>
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**Note:** Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.

### Agricultural Biotechnology 4995 - Undergraduate Thesis

- **Credit hours:** 6.0
- **Contact hours per week:** Variable

This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.

**Equivalent:** Health Sciences 4200 (Community Development and Outreach) (prior to 2014/2015)

### Agricultural Biotechnology (AGBT)

Faculty of Arts and Science

### Agricultural Studies 3300 - Modelling of Agricultural Systems

- **Credit hours:** 3.0
- **Contact hours per week:** 3-2-0

Modelling environmental, economic, social, and ecological components of agricultural systems. The quantitative methods of economic analysis of agricultural systems are introduced. Application of linear algebra and linear programming to farm management problems. Use of computer software.

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<td>3.0</td>
<td>3-2-0</td>
<td>This is a research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan. Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher. Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.</td>
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### Agricultural Studies 4000 - Seminar in Agricultural Issues

- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0

Capstone seminars in agricultural issues. Offerings may include guest lectures from prominent administrators and researchers in agriculture, field trips, readings and papers.

### Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems

- **Credit hours:** 3.0
- **Contact hours per week:** 3-2-0

Applied decision analysis with an agricultural focus. Mathematical techniques for solving optimization and constrained optimization problems in agriculture: linear programming, quadratic programming, integer programming, dynamic programming and simulation. Case studies.

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<td>3-2-0</td>
<td>This is a research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan. Prerequisite(s): Agricultural Studies 3300</td>
</tr>
</tbody>
</table>

### Anthropology 1000 - The Anthropological Perspective

- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0

Comparative study of society and culture. Overview of the methods and theoretical orientations used by anthropologists to understand and explain human diversity. Examination of the material, social and cultural conditions of human behaviour and life from a local and global perspective.
ANTHROPOLOGY 2010
Theory I: Historical Foundations of Anthropological Thought
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical introduction to anthropological approaches to popular culture with a focus on the way culture is produced and contested in specific ethnographic and historical contexts. Culture as the prime site of struggle; the place of mass media, music, film, religion, race, material culture and related issues may be considered.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

ANTHROPOLOGY 2210
The Anthropology of Gender
Credit hours: 3.0
Contact hours per week: 3-0-0
A broad introduction to culture area or region of the world from an anthropological perspective.
Prerequisite(s): Anthropology 1000
Substantially Similar: Any offering in the Anthropology 3100 Series with the same title as the offering in the Anthropology 2210 Series

ANTHROPOLOGY 2200
The Ethnographic Imagination
Credit hours: 3.0
Contact hours per week: 3-0-0
A thematic course that highlights issues in anthropology related to ethnography. Ethnographic practice and writing as social science and as literature. Classic and contemporary ethnographies.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

ANTHROPOLOGY 2220
Cultures of the World (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
A broad introduction to a culture area or region of the world from an anthropological perspective.
Prerequisite(s): Anthropology 1000
Substantially Similar: Any offering in the Anthropology 3100 Series with the same title as the offering in the Anthropology 2210 Series

ANTHROPOLOGY 2320
Ancient Societies
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of a diversity of ancient societies including Azttec, Maya and Inka. Comparison of political institutions, economic structures and religious ideologies of ancient polities. Anthropological theories on the emergence and transformation of centralized political hierarchy.
Prerequisite(s): One of Anthropology 1000, a previous course (3.0 credit hours) in Anthropology, or Archaeology 1000

ANTHROPOLOGY 2410
Anthropological Archaeology
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to anthropological perspectives in archaeology emphasizing methods of inference used to reconstruct past culture histories and interpret long-term sociopolitical change. Ethnographic analogy, anthropological interpretation of non-ethnographic data, and the politics of archaeological fieldwork and representation.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology
Equivalent: Anthropology 2850 (Anthropological Archaeology) (prior to 2009/2010)

ANTHROPOLOGY 2510
Language, Culture, and Communication
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to linguistic anthropology considering theories and methods which focus on the relationship between language, culture, and social/political contexts. Universal and particular aspects of language as a defining human attribute, the nature of the ethnography of communication, and language in relation to issues such as gender, race, ethnicity, nationalism and class.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

ANTHROPOLOGY 2550
Anthropology of Gender
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to anthropological analyses of gender. Topics include the social and cultural construction of gender, gender inequality, sexuality, and masculinity and femininity.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

ANTHROPOLOGY 2600
Anthropology of Religion
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to anthropoligical approaches to religion. Topics include the anthropological study of ritual, religion, and ideology in a cross-cultural framework.
Prerequisite(s): Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology or Religious Studies
Equivalent: Anthropology 3550 (prior to 2015/2016)

ANTHROPOLOGY 3010
Theory II: Contemporary Anthropological Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary approaches to theory and to ethnographic practice that include critical, postmodernist and poststructuralist, cultural studies, postpositivist, feminist, multiculturalist, and globalist orientations in the discipline.
Prerequisite(s): Anthropology 2110 AND One of Anthropology 2410 or Anthropology 2510

ANTHROPOLOGY 3030
Methods, Knowledge, and Ethics
Credit hours: 3.0
Contact hours per week: 3-0-0
The variety of methods and settings of anthropological research. The relationships between methodology and the production of anthropological knowledge. Shifting ethical concerns that relate to diverse power configurations between anthropologists and anthropological subjects.
Prerequisite(s): Anthropology 2110, Anthropology 2210, Anthropology 2410, or Anthropology 2510 AND One additional course (3.0 credit hours) in Anthropology at the 2000 level or higher
ANTHROPOLOGY 3100
Regional Ethnography (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series focuses on the use of a specific cultural area as an analytic device to interpret coherence and change in particular life styles. Each course considers issues of theory, method and data that arise from ethnography.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology
Substantially Similar: Any offering in the Anthropology 2210 Series with the same title as the offering in the Anthropology 3100 Series

ANTHROPOLOGY 3200
Power and Discourse
Credit hours: 3.0
Contact hours per week: 3-0-0
Various theoretical approaches to power and language will be explored in relation to specific ethnographic contexts.
Prerequisite(s): One of Anthropology 2010, Anthropology 2210, Anthropology 2410, or Anthropology 2510 AND One additional course (3.0 credit hours) in Anthropology at the 2000 level or higher

ANTHROPOLOGY 3280
Urban Anthropology
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the methods and theoretical orientations used by anthropologists to understand and explain contemporary and historical urban processes. The comparative and ethnographic study of cities as centers of social and cultural complexity where global, national, and local processes intersect.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology AND Third-year standing (a minimum of 60.0 credit hours)

ANTHROPOLOGY 3300
Gifts and Commodities
Credit hours: 3.0
Contact hours per week: 3-0-0
The anthropological study of economic processes of production, consumption, distribution and exchange in ethnographic contexts.
Prerequisite(s): One of Anthropology 2010, Anthropology 2210, Anthropology 2410, or Anthropology 2510 AND One additional course (3.0 credit hours) in Anthropology at the 2000 level or higher

ANTHROPOLOGY 3310
Race and Ethnicity
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent developments in anthropological theory and ethnography. Comparative analysis of race and ethnicity as social and cultural forms of inequality both historically and in contemporary society.
Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology AND Third-year standing (a minimum of 60.0 credit hours)

ANTHROPOLOGY 3400
Process, History, and Social Complexity
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical appraisal of theories proposed to interpret historical process, the origins of political inequality, variability in structures of complex social organization, and the dynamics of cultural change. Selected theories are evaluated through analyzing archaeological and ethnographic case studies.
Prerequisite(s): Anthropology 2410

ANTHROPOLOGY 3500
Ritual, Practice, and Performance
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of Anthropology 2010, Anthropology 2210, Anthropology 2410, Anthropology 2510, or Anthropology 2550 AND One additional course (3.0 credit hours) in Anthropology at the 2000 level or higher or Religious Studies 2001
ANTHROPOLOGY 4500
Anthropological Methods (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced study of anthropological methodology and the complex issues which arise from particular approaches and fieldwork.
Prerequisite(s): Anthropology 3000

ANTHROPOLOGY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct fieldwork, text or library-based research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND A minimum of eight courses (24.0 credit hours) in Anthropology
Recommended Background: Anthropology 4500

Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

APPLIED STUDIES 2000
Field Experience I
Credit hours: 3.0
Other hours: 0-0-130
An opportunity to earn academic credit for learning gained through employment or volunteer experiences related to the student's field of study. Credit is earned for successful completion of 130 placement hours, an employer evaluation, and written assignments.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND A cumulative GPA of 2.00 or higher AND Permission of the Applied Studies Coordinator
Grading: Pass/Fail

APPLIED STUDIES 2001
Field Experience II
Credit hours: 3.0
Other hours: 0-0-130
An opportunity to earn academic credit for learning gained through employment or volunteer experiences related to the student's field of study. Credit is earned for successful completion of 130 placement hours, an employer evaluation, and written assignments.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND A cumulative GPA of 2.00 or higher AND Applied Studies 2000 AND Permission of the Applied Studies Coordinator
Grading: Pass/Fail

APPLIED STUDIES 2010
Field Experience Evaluation I
Credit hours: 3.0
Completion of a Learning Plan and a project or paper, in which a particular aspect of the placement is considered within an academic context. Consultation of relevant literature and relation of theoretical concepts to the practical experience are required.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND A cumulative GPA of 2.00 or higher AND Permission of the Applied Studies Coordinator
Corequisite(s): Applied Studies 2000 or completion of 130 placement hours

APPLIED STUDIES 2011
Field Experience Evaluation II
Credit hours: 3.0
Completion of a Learning Plan and a project or paper, in which a particular aspect of the placement is considered within an academic context. Consultation of relevant literature and relation of theoretical concepts to the practical experience are required.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND A cumulative GPA of 2.00 or higher AND Applied Studies 2010 AND Permission of the Applied Studies Coordinator
Corequisite(s): Applied Studies 2001 or completion of 130 placement hours
APPLIED STUDIES 2980-2985, 3980-3985, 4980-4985

Disciplinary Credit
Credit hours: 3.0
An employer evaluation, submission of a Learning Plan that outlines learning objectives, and an academic project or paper considered within an academic context. Consultation of relevant literature and relation of theoretical concepts to the practical experience.

Prerequisite(s): Second-year standing (a minimum of 3.0 credit hours) AND A cumulative GPA of 2.00 or higher AND Permission of the Applied Studies Coordinator
Corequisite(s): Applied Studies 2000 or completion of 130 placement hours

Note: Students must have an adequate background in the discipline before enrolling in Applied Studies for disciplinary credit.

ARCHAEOLOGY 3000
Archaeological Science (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 3110
Archaeology of North America
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
Major issues in the archaeology of North America including population movements during the Pleistocene and the development of regional adaptations. A one-day field trip will be scheduled on a Saturday.
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 3120
Plains Archaeology
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
An examination of the human history of the North American Great Plains from the earliest known occupation to the arrival of Europeans. Emphasis on interpretation and analysis of Plains material culture and the application of techniques such as lithic studies, zooarchaeology and ethnoarchaeology. A field trip will be scheduled.
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 3170
Syro-Palestinian Archaeology
Credit hours: 3.0
Contact hours per week: 3-0-0
The growth and development of the discipline of Syro-Palestinian Archaeology in a general survey of exploration, excavation and scholarly research; and an examination of the archaeological evidence from prehistoric times to the end of the Iron Age.
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 3300
Archaeological Field Work (Series)
Credit hours: 3.0
Other hours: 0-0-210
Training in excavation techniques, principles and problems on location at various archaeological sites around the world. Inasmuch as this course involves travel to and residence at remote archaeological sites, costs borne by students vary but may range up to several thousand dollars.
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 3400
Archaeological Regions, Periods, and Themes (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series explores archaeological issues from different regions and periods.
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology
Equivalent: Any offering in the Archaeology 3000 Series with the same title as the offering in the Archaeology 3400 Series

ARCHAEOLOGY 3600/LIBERAL EDUCATION 3600
Human Evolution
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories and major developments in the study of human evolution. Examination of hominin fossils and stone tools in order to understand human biological and cultural development. Contributions made by various disciplines to this research area are reviewed.
Prerequisite(s): One of Archaeology 1000, a previous course (3.0 credit hours) in Archaeology, or Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Liberal Education 3850 (Human Evolution Across Disciplines) (prior to 2012/2013)
**ARCHAEOLOGY 3610**  
Old World Prehistory  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A survey of major cultural developments in Africa, Asia and Europe beginning with the emergence of the earliest stone tools and continuing to the origins of agriculture and complex societies in the Old World.  
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

**ARCHAEOLOGY 3700**  
Geoarchaeology and Landscape Analysis  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Other hours: 0-0-16  
Site formation processes, both natural and cultural; ancient and modern landscapes; analysis of archaeological features in geoarchaeological contexts. Two one-day field trips will be scheduled on Saturdays.  
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

**ARCHAEOLOGY 3720**  
Archaeological Materials Analysis  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Laboratory and field analysis of archaeological remains such as lithics, ceramics and architecture; techniques of conservation and restoration.  
Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

**ARCHAEOLOGY 4000**  
Advanced Archaeological Science (Series)  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Prerequisite(s): One 3000-level course (3.0 credit hours) in Archaeology

**ARCHAEOLOGY 4010**  
Advanced Archaeological Theory (Series)  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This series examines the influence of theory in Archaeology.  
Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Archaeology

**ARCHAEOLOGY 4500**  
Advanced New and Old World Archaeology (Series)  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Selected problems relating archaeological theory, analyses, and/or field work.  
Prerequisite(s): One 3000-level course (3.0 credit hours) in Archaeology

**ARCHAEOLOGY 4995**  
Undergraduate Thesis  
Credit hours: 6.0  
Contact hours per week: Variable  
This is a research-oriented course in which students will conduct research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with the Thesis Supervisor, students will define a research problem and formulate a research plan.  
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND An Independent Study (3990) in Archaeology or Geography  
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.  
See Part 7 - Arts and Science, Section 10.

**ART 2030**  
Combined Foundation Studio  
Credit hours: 6.0  
Contact hours per week: 10-0-0  
An introduction to art studio practices. Art 2030 combines the content of both Art 2031 - Foundation Studio (Drawing and Image) and Art 2032 - Foundation Studio (Object and Space), and fulfills the prerequisite for further Art (Studio) courses.  
Substantially Similar: Art 2031 and Art 2032  
Note: Studio course.

**ART 2031**  
Foundation Studio (Drawing and Image)  
Credit hours: 3.0  
Contact hours per week: 5-0-0 or 6-0-0  
An introduction to contemporary art studio practice with an emphasis on drawing and visual analysis. A cross-section of ideas, materials and processes will be introduced as they relate to drawing, image production and related practices.  
Substantially Similar: Art 2030; Art 2315 (prior to 2009/2010)  
Note: Studio course.  
For sections where Art 2031 is offered twice weekly, an extra hour is required per week for set up and clean up.

**ART 2032**  
Foundation Studio (Object and Space)  
Credit hours: 3.0  
Contact hours per week: 5-0-0 or 6-0-0  
An introduction to contemporary art studio practice with an emphasis on the three-dimensional work. A cross-section of ideas, materials and processes will be introduced as they relate to objects, space and time-based media.  
Substantially Similar: Art 2030; Art 2316 (prior to 2009/2010)  
Note: Studio course.  
For sections where Art 2032 is offered twice weekly, an extra hour is required per week for set up and clean up.

**ART 2002**  
Fundamentals of Painting  
Credit hours: 3.0  
Contact hours per week: 6-0-0  
An introduction to the theory and practice in painting and related media.  
Note: Studio course.  
Credit is not allowed for Art 2002 subsequent to the completion of Art 3022.

**ART 2004**  
Fundamentals of Photography  
Credit hours: 3.0  
Contact hours per week: 6-0-0  
An introduction to the theory and practice in camera and darkroom techniques for black and white photography.  
Note: Studio course.  
Credit is not allowed for Art 2004 subsequent to the completion of Art 3026. Access to a camera is required. Contact instructor for specifics.

**ART 2005**  
Print Media Without a Press  
Credit hours: 3.0  
Contact hours per week: 6-0-0  
An introduction to the concepts and processes of printmaking without a press. Topics may include woodblock, linocut, and silkscreen.  
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030  
Note: Studio course.
ART 3006
Print Media With a Press
Credit hours: 3.0
Contact hours per week: 6-0-0
An introduction to the concepts and processes of printmaking with a press. Topics may include monotype, pouchoir (stencil), intaglio, and silkscreen.
Prerequisite(s): One of [Art 2031 and Art 2302] or Art 2030
Note: Studio course.

ART 3007
Advanced Print Media
Credit hours: 3.0
Contact hours per week: 6-0-0
Studies in printmaking at an advanced level to which a range of processes and techniques are explored: traditional, experimental and interdisciplinary.
Prerequisite(s): One of Art 3005 or Art 3006
Note: Studio course.

ART 3010
Drawing (Principles and Practices)
Credit hours: 3.0
Contact hours per week: 6-0-0
Explorations in drawing using a variety of media and methods to examine basic visual principles and structures. Development of observational and analytical skills.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Note: Studio course.

ART 3011
Drawing (Advanced)
Credit hours: 3.0
Contact hours per week: 6-0-0
Advanced theory and practice in drawing with an emphasis on experimental techniques and methods.
Prerequisite(s): Art 3010
Note: Studio course.

ART 3015
Art Studio (Series)
Credit hours: 3.0
Contact hours per week: 6-0-0
Studio offerings at an advanced level addressing thematically presented approaches to material practice. Offerings may include: Installation Art, Digital Fabrication, Performance Art, Expanded Print Media.
Prerequisite(s): One of Art 3005, Art 3006, Art 3010, Art 3023, Art 3027, Art 3033, Art 3060, or Art 3061
Note: Studio course.

ART 3022
Introduction to Painting
Credit hours: 3.0
Contact hours per week: 5-0-0
An introduction to various technical, aesthetic, and theoretical issues of painting with an emphasis on contemporary practice. Diverse approaches and media will be investigated.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Corequisite(s): Art 3010
Substantially Similar: Art 3002 (prior to 2009/2010)
Note: Studio course.

ART 3023
Painting Studio: Material, Colour, Space
Credit hours: 3.0
Contact hours per week: 5-0-0
Theory and practice of painting with an emphasis on working in oil paint. Topics may include advanced investigation of colour theory, pictorial space, composition, and content development.
Prerequisite(s): Art 3022
Substantially Similar: Art 3002 (prior to 2009/2010)
Note: Studio course.

ART 3024
Painting Studio: Painting in the Expanded Field
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
Using both traditional and non-traditional materials and methods, this course focuses on alternative ways of making and thinking about painting. Theory and practice of painting are explored in the context of contemporary art. Topics may include painting installation and painting as it extends to other media such as textiles, photography and sculpture.
Prerequisite(s): Art 3022
Equivalent: Art 3012 (prior to 2009/2010)
Note: Studio course.

ART 3026
Photo-Arts I
Credit hours: 3.0
Contact hours per week: 5-0-0
An introduction to the theory and practice of photo-arts. The camera, black and white darkroom processes, and introductory digital photography are explored within a context of contemporary art practice.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Substantially Similar: Art 3004 (prior to 2009/2010)
Note: Studio course.

ART 3027
Photo-Arts II
Credit hours: 3.0
Contact hours per week: 5-0-0
Further exploration in the theory and practice of photo-arts. Advanced studio procedures in black and white and digital photography are explored within a context of contemporary art practice.
Prerequisite(s): Art 3026
Substantially Similar: Art 3004 (prior to 2009/2010)
Note: Studio course.

ART 3028
Photo-Arts III
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
Advanced theory and practice of photo-arts. Alternative methods, large format film and digital processes are incorporated.
Prerequisite(s): Art 3027
Equivalent: Art 3014 (prior to 2009/2010)
Note: Studio course.

For sections where Art 3024 is offered twice weekly, an extra hour is required per week for set up and clean up.

For sections where Art 3028 is offered twice weekly, an extra hour is required per week for set up and clean up.
ART 3032
Sculpture I
Credit hours: 3.0
Contact hours per week: 5-0-0
An introduction to various technical, aesthetic, and theoretical issues of three-dimensional form and material with an emphasis on contemporary sculptural practice. Diverse approaches will be investigated through a range of assignments in wood, clay, metal and found materials.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Substantially Similar: Art 3008 (prior to 2009/2010)
Note: Studio course.

ART 3033
Sculpture II
Credit hours: 3.0
Contact hours per week: 5-0-0
Building on Art 3032 - Sculpture I, this course further鼠讨论 related to various technical, aesthetic, and theoretical issues of three-dimensional form and material with an emphasis on contemporary sculptural practice. Diverse approaches will be investigated through a range of assignments in wood, clay, metal, and found materials.
Prerequisite(s): Art 3032
Substantially Similar: Art 3008 (prior to 2009/2010)
Note: Studio course.

ART 3034
Sculpture III
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
Advanced exploration of techniques and theoretical issues related to contemporary sculpture practices through readings, visual presentations, field trips, discussions and hands-on production. Students will respond to thematic assignments using an open choice of materials.
Prerequisite(s): Art 3032
Equivalent: Art 3018 (prior to 2009/2010)
Note: Studio course.
For sections where Art 3034 is offered twice weekly, an extra hour is required per week for set up and clean up.

ART 3035
Context and Environment
Credit hours: 3.0
Contact hours per week: 6-0-0
The investigation of environment, site-specific and site-conditioned installation in situations exploring both interior and exterior spaces. Collaborative explorations of scale, traditional and non-traditional materials, and media in eco-creative ventures into culture and place.
Prerequisite(s): Art 3033
Equivalent: Art 3019 (prior to 2009/2010)
Note: Studio course.

ART 3040
Advanced Studio
Credit hours: 6.0
Contact hours per week: 10-0-0
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Four of Art 3007, Art 3011, Art 3015, Art 3023, Art 3024, Art 3027, Art 3028, Art 3033, Art 3034, Art 3035, Art 3062 or Art 3160 (One of these courses may be taken at the same time as Art 3040) AND 17 university-level courses (a minimum of 51.0 credit hours)
Note: Studio course.

ART 3060
Media Arts (Introduction to Digital Studio)
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
A critical examination of sound, image and video construction, and the role of computers in contemporary art production. Two- and three-dimensional design issues and philosophy will be covered as they relate to computer environments and the contemporary artist's studio. A number of adjunct technologies will be presented such as digital darkroom, video editing, vectorbased drawing, text layout, and digital sound sculpture and design.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Note: Studio course.
For sections where Art 3060 is offered twice weekly, an extra hour is required per week for set up and clean up.

ART 3061
Media Arts (Video Sketchbook)
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
An exploration of contemporary art video production and its history. This course familiarizes students with contemporary video and film issues, storyboarding, direction and digital assembly. Through screenings, readings and critiques, a range of conceptual and technical problems will be addressed.
Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030
Note: Studio course.
For sections where Art 3061 is offered twice weekly, an extra hour is required per week for set up and clean up.

ART 3062
Media Arts (Advanced Digital Studio)
Credit hours: 3.0
Contact hours per week: 5-0-0 or 6-0-0
An advanced investigation of digital production in contemporary art studio. Time-based media, digital installation, audio and video are applied in a studio context, alongside an examination of philosophies and theories of technology and emerging media in relation to traditional art practice.
Prerequisite(s): One of Art 3060 or Art 3061
Note: Studio course.
For sections where Art 3062 is offered twice weekly, an extra hour is required per week for set up and clean up.
Students with relevant experience may be eligible for a prerequisite waiver for Art 3060 or Art 3061.

ART 3160
Drawing (The Body)
Credit hours: 3.0
Contact hours per week: 6-0-0
Continued explorations in drawing focusing on the body as subject. Traditional study from the nude and draped figure will be balanced against a critical examination of issues surrounding figurative representation.
Prerequisite(s): Art 3010
Note: Studio course.

ART 3210
Architecture and Design NOW I
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-10
Aspects of recent and contemporary architecture and design introduced through a series of presentations by practicing architects, designers, architectural historians, critics and writers on design.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Note: Attendance requirement.
ART 3261
Art NOW
Credit hours: 3.0
Contact hours per week: 3-0-0
Built upon a series of guest lectures by nationally and internationally recognized artists and art professionals, this course covers a wide range of current topics in contemporary art. Lecture presentations are supplemented by readings, visits to local art exhibitions and discussion.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

ART 3262
Art NOW
Credit hours: 3.0
Contact hours per week: 3-0-0
Built upon a series of guest lectures by nationally and internationally recognized artists and art professionals, this course covers a wide range of current topics in contemporary art. Lecture presentations are supplemented by readings, visits to local art exhibitions and discussion.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

ART 3850
Topics in Art
Credit hours: 3.0
Contact hours per week: Variable
Topics in art not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.

ART 4048
Senior Studio
Credit hours: 6.0
Contact hours per week: 10-0-0
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Art 3040
Note: Studio course.

ART 4049
Senior Studio
Credit hours: 6.0
Contact hours per week: 10-0-0
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Art 4048 AND A cumulative GPA of 3.30 or higher on all Art courses
Note: Studio course.

ART 4160
Theory in Art Studio
Credit hours: 3.0
Contact hours per week: 3-0-0
An exploration of the role of theory in contemporary art practices. Through seminar-style presentations, discussions, and various approaches to writing, students will critically examine how art production can engage with diverse fields of literary fiction, film, artist writings, popular culture, science, philosophy and theory.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND One (3000/4000 level) Art course (not including Art 3261, Art 3262, Art 3210 or Art 4210)

ART 4210
Architecture and Design NOW II
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-10
Discussion of principal discourses, ideas and ideologies generated since mid-century. Issues and debates related to the design profession in our time.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Attendance requirement.

ART 4850
Topics in Art
Credit hours: 3.0
Contact hours per week: Variable
Topics in art not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.

ART 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: 10-0-0
A studio course in which students research and produce a body of work. Public presentation of the project, an expanded artist statement, and an oral presentation are required. In consultation with their Studio Supervisor, students will define and produce a project and formulate a presentation plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Art 4049 AND Application to the Department of Art
Corequisite(s): Art 4160
Note: Studio course.
Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 9 - Fine Arts, Section 8.a.2., p. 175.

ART GRADUATE COURSES (ART)
Faculty of Fine Arts

ART 5148
Graduate Studio I
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Admission to the M.F.A. program with a major in Art
Substantially Similar: Art 5048 (prior to 2015/2016)

ART 5149
Graduate Studio II
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Art 5148
Substantially Similar: Art 5049 (prior to 2015/2016)
Note: All prerequisite courses must have a minimum 'B-' grade.
ART 5160
Theory in Art Studio
Credit hours: 3.0
Contact hours per week: 3-0-0
An exploration of the role of theory in contemporary art practices. Through seminar-style presentations, discussions, and various approaches to writing, students will critically examine how art production can engage with diverse fields of literary fiction, film, artist writings, popular culture, science, philosophy and theory.
Prerequisite(s): Admission to the M.F.A. program with a major in Art

ART 5261
Art NOW Graduate Seminar
Credit hours: 3.0
Contact hours per week: 3-0-0
Directed readings on assigned topics. Attendance at Visiting Artists Series.
Prerequisite(s): Admission to the M.F.A. program with a major in Art

ART 5850
Topics in Art
Credit hours: 3.0
Contact hours per week: 3-0-0
Topics in art not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Admission to the M.F.A. program with a major in Art

ART 6002
Thesis
Credit hours: 18.0
Thesis course for the creative research project and support paper.
Prerequisite(s): Admission to the M.F.A. program with a major in Art
Grading: Pass/Fail

ART HISTORY/MUSEUM STUDIES 1000
Introduction to Art
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the history and theory of art from 1800 to 1960, focusing on the development of modernism, and including issues in Canadian art and the rise of museum culture.
Equivalent: Art 1000 (prior to 2010/2011)

ART HISTORY/MUSEUM STUDIES 2001
Contemporary Art Practices and Theories
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the history and theory of contemporary art from 1960 to the present, including issues in Canadian and First Nations art, and the culture of display.
Prerequisite(s): Art History/Museum Studies 1000
Equivalent: Art 2001 (prior to 2010/2011);
Art 1001 (prior to 2009/2010)

ART HISTORY/MUSEUM STUDIES 2225
Western Art from Prehistory to the French Revolution
Credit hours: 3.0
Contact hours per week: 3-0-0
A history of Western art including painting, sculpture and architecture from prehistory to 1789, set within their cultural context.
Equivalent: Art 2255 (prior to 2010/2011)

ART HISTORY/MUSEUM STUDIES 2900
Introduction to Museum Studies
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-30
Using the University of Lethbridge Art Gallery collection, students are introduced to many areas of gallery and museum practice: curating, collections management and research, database practices, registration, exhibition preparation, and public programming.
Prerequisite(s): Art History/Museum Studies 1000
Equivalent: Art 2900 (prior to 2010/2011)

ART HISTORY/MUSEUM STUDIES 3151
Art History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in subject areas dealing with significant developments in art history.
Prerequisite(s): One of Art History/Museum Studies 1000 or third-year standing (a minimum of 60.0 credit hours)
Equivalent: Art 3151 (prior to 2010/2011)

ART HISTORY/MUSEUM STUDIES 3200
19th-Century Art History
Credit hours: 3.0
Contact hours per week: 3-0-0
Major artists and movements from neoclassicism through Post-Impressionism in Europe and North America.
Prerequisite(s): Art History/Museum Studies 1000 AND One of Art History/Museum Studies 2225 or 15 university-level courses (a minimum of 45.0 credit hours)
Equivalent: Art 3200 (prior to 2010/2011)
### ART HISTORY/MUSEUM STUDIES 3215
**20th-Century Art History to 1945**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- A survey of theory, practice, critical response and context of mainstream art movements in Europe and North America from the turn of the century through World War II; Fauvism, Cubism through Surrealism, and American Regionalism and Social Realism.
- **Prerequisite(s):** Art History/Museum Studies 1000 AND one of Art History/Museum Studies 2001, Art History/Museum Studies 2225, or 15 university-level courses (a minimum of 45.0 credit hours)
- **Equivalent:** Art 3215 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3220
**Art: 1945 to 1970**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- **Prerequisite(s):** One of Art History/Museum Studies 2001 or Art History/Museum Studies 3215
- **Equivalent:** Art 3220 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3240
**Canadian Art History to 1940**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- An examination of the major Canadian artists and art movements from 1660 to 1940, with an emphasis on issues and artists of the 20th century.
- **Prerequisite(s):** Art History/Museum Studies 1000 AND 15 university-level courses (a minimum of 45.0 credit hours)
- **Equivalent:** Art 3240 (Canadian Art History) (prior to 2011/2012)

### ART HISTORY/MUSEUM STUDIES 3245
**Canadian Art History: 1940 to the Present**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- An examination of the major Canadian artists and art movements from 1940 to the present, with an emphasis on the development of contemporary practice.
- **Prerequisite(s):** Art History/Museum Studies 1000 AND 15 university-level courses (a minimum of 45.0 credit hours)
- **Equivalent:** Art 3245 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3250
**Northwest Coast Art**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- The historical and contemporary arts of the various First Nations’ peoples of the Northwest Coast of North America from European contact to the present day.
- **Prerequisite(s):** One of Art History/Museum Studies 1000 or third-year standing (a minimum of 60.0 credit hours)
- **Equivalent:** Art History/Museum Studies 3151 (Northwest Coast Art) (prior to 2012/2013); Art 3151 (N.W. & S.W. Native Arts in the 20th Century) (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3255
**Art and Culture (Series)**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- Offerings in subject areas dealing with the interactions and relationships between art and culture.
- **Prerequisite(s):** Will be specified (including any recommended background) for individual offerings
- **Equivalent:** Art 3255 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3270
**Issues in Contemporary Art and Theory**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- An intense investigation of the theory, practice, critical response and context of art since 1970. Specific areas of focus will change depending on expertise of the instructor.
- **Prerequisite(s):** One of Art History/Museum Studies 2001 or Art History/Museum Studies 3220 AND 15 university-level courses (a minimum of 45.0 credit hours)
- **Equivalent:** Art 3270 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 3900
**Critical Issues in Museum Studies**
- **Credit hours:** 3.0
- **Contact hours per week:** 3-0-0
- Provides a critical framework for examining theoretical issues in Museum Studies such as the creation of canons, inclusions and exclusions in museum practices, and the politics of display.
- **Prerequisite(s):** One of Art History/Museum Studies 2900 or third-year standing (a minimum of 60.0 credit hours)
- **Equivalent:** Art 3900 (prior to 2010/2011)

### ART HISTORY/MUSEUM STUDIES 4000
**Museum Studies Internship**
- **Credit hours:** 3.0
- **Other hours:** Variable
- Museum Studies research directed toward practical application (such as exhibitions, collections, documentation, text production and/or public programming) within the University of Lethbridge Art Gallery or other cultural organizations.
- **Prerequisite(s):** Art History/Museum Studies 2900 AND Art History/Museum Studies 3900
- **Equivalent:** Art 4000 (prior to 2010/2011)
ART HISTORY/MUSEUM STUDIES 4001
Advanced Museum Studies Internship I
Credit hours: 3.0
Other hours: Variable
Builds on Art History/Museum Studies 4000 to provide advanced study in one area or breadth across art gallery and museum experience. Museum Studies research directed toward practical application (such as curating and installing exhibitions, collections care and management, and/or public programming) within the U of L Art Gallery and other cultural organizations.
Prerequisite(s): Art History/Museum Studies 4000 AND Permission of the internship coordinator

ART HISTORY/MUSEUM STUDIES 4004
Advanced Museum Studies Internship IV
Credit hours: 3.0
Other hours: Variable
Builds on Art History/Museum Studies 4003 to provide advanced study in one area or breadth across art gallery and museum experience. Museum Studies research directed toward practical application (such as curating and installing exhibitions, collections care and management, and/or public programming) within the U of L Art Gallery and other cultural organizations.
Prerequisite(s): Art History/Museum Studies 4003 AND Permission of the internship coordinator

ART HISTORY/MUSEUM STUDIES 4002
Advanced Museum Studies Internship II
Credit hours: 3.0
Other hours: Variable
Builds on Art History/Museum Studies 4001 to provide advanced study in one area or breadth across art gallery and museum experience. Museum Studies research directed toward practical application (such as curating and installing exhibitions, collections care and management, and/or public programming) within the U of L Art Gallery and other cultural organizations.
Prerequisite(s): Art History/Museum Studies 4001 AND Permission of the internship coordinator

ART HISTORY/MUSEUM STUDIES 4003
Advanced Museum Studies Internship III
Credit hours: 3.0
Other hours: Variable
Builds on Art History/Museum Studies 4002 to provide advanced study in one area or breadth across art gallery and museum experience. Museum Studies research directed toward practical application (such as curating and installing exhibitions, collections care and management, and/or public programming) within the U of L Art Gallery and other cultural organizations.
Prerequisite(s): Art History/Museum Studies 4002 AND Permission of the internship coordinator

ART HISTORY/MUSEUM STUDIES 4150
Art History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in subject areas dealing with significant developments in art history.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
Equivalent: Art 4150 (prior to 2010/2011)

ART HISTORY/MUSEUM STUDIES 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course. In consultation with the Thesis Supervisor, students will define a research problem, formulate a research plan, conduct research, report orally, and submit a report in the form of an Undergraduate Thesis or by curating an exhibition with an accompanying essay, which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.50 or higher AND Completion of a minimum of 9 courses (27.0 credit hours) in Art History/Museum Studies AND Application to the Department of Art
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 9 - Fine Arts, Section 8.a.2. p. 175

ART HISTORY/MUSEUM STUDIES 5150
Art History Graduate Seminar (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in subject areas dealing with significant developments in art history.
Prerequisite(s): Admission to the M.F.A. program with a major in Art
Equivalent: Art 5150 (prior to 2010/2011)

ARTS AND SCIENCE 3011
Co-op Work Experience I
Credit hours: 0.0
Contact hours per week: N/A
Co-op Work Experience I requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Admission to a Co-operative Education major in the Humanities and Social Sciences or a Co-operative Education major in the Sciences
Grading: Pass/Fail
Note: Arts and Science 3011 cannot be taken concurrently with an Applied Studies course.

ARTS AND SCIENCE 3012
Co-op Work Experience II
Credit hours: 0.0
Contact hours per week: N/A
Co-op Work Experience II requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Arts and Science 3011
Grading: Pass/Fail
Note: Arts and Science 3012 cannot be taken concurrently with an Applied Studies course.
## ARTS AND SCIENCE 3013
**Co-op Work Experience III**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience III requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 3012  
Grading: Pass/Fail  
**Note:** Arts and Science 3013 cannot be taken concurrently with an Applied Studies course.

## ARTS AND SCIENCE 3014
**Co-op Work Experience IV**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience IV requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 3013  
Grading: Pass/Fail  
**Note:** Arts and Science 3014 cannot be taken concurrently with an Applied Studies course.

## ARTS AND SCIENCE 3015
**Co-op Work Experience V**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience V requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 3014  
Grading: Pass/Fail  
**Note:** Arts and Science 3015 cannot be taken concurrently with an Applied Studies course.

## ARTS AND SCIENCE 3016
**Co-op Work Experience VI**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience VI requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 3015  
Grading: Pass/Fail  
**Note:** Arts and Science 3016 cannot be taken concurrently with an Applied Studies course.

## ARTS AND SCIENCE GRADUATE COURSES (ASCI)

### Faculty of Arts and Science

#### ARTS AND SCIENCE 5011
**Co-op Work Experience I**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience I requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Admission to the Co-operative Education Option in the Master of Arts or Master of Science program  
Grading: Pass/Fail

#### ARTS AND SCIENCE 5012
**Co-op Work Experience II**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience II requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 5011  
Grading: Pass/Fail

#### ARTS AND SCIENCE 5013
**Co-op Work Experience III**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience III requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 5012  
Grading: Pass/Fail

#### ARTS AND SCIENCE 5014
**Co-op Work Experience IV**

Credit hours: 0.0  
Contact hours per week: N/A  
Co-op Work Experience IV requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and employer, and complete a Work Term report signed by an assigned faculty member.  
Prerequisite(s): Arts and Science 5013  
Grading: Pass/Fail

## ASIAN STUDIES (ASIA)

### Faculty of Arts and Science

#### ASIAN STUDIES 1000
**Introduction to Asia**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
Examination of histories, cultures, and societies of Asia. Diversity across time and space while also emphasizing commonalities in the civilizations of South, Southeast, and East Asia. Thematic organization will make reference to history, geography, literature, religion, philosophy, anthropology, sociology, politics, economics, global health, gender and social issues to provide a broad introduction to Asia.

#### ASTRONOMY (ASTR)

### Faculty of Arts and Science

#### ASTRONOMY 2020
**Modern Astronomy**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-6  
Following an introduction to gravitation and light, this course explores the nature of stars and galaxies and their evolution. Material studied: the sun, the birth and death of stars, neutron stars, black holes, the Milky Way, galaxies, and cosmology.  
**Note:** Other hours include supervised evening observing sessions.

#### ASTRONOMY 2070
**The Solar System**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-6  
The foundation of astronomy, including descriptions of such naked-eye observations as eclipses and planetary motions and such basic tools as Kepler's laws, the fundamental properties of light. Material studied: the formation of the solar system, physical structure of planets, evolution of planetary atmospheres, Galilean satellites.  
**Note:** Other hours include supervised evening observing sessions.
ASTRONOMY 3020
Introduction to Cosmology
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-6
Recent developments in Astronomy, Astrophysics, and Cosmology such as the current understanding of black holes, dark matter, dark energy, expansion of the universe, Big Bang Theory, inflation, structure within the universe, and the cosmological constant.
Prerequisite(s): One of Astronomy 2020, Astronomy 2070, Engineering 2060, Physics 1000, or Physics 1050
Note: Other hours include two evening observing sessions per semester.

BIOCHEMISTRY 2000
Introductory Biochemistry
Credit hours: 3.0
Contact hours per week: 3-0-0
Chemistry of biomolecules including proteins, nucleic acids, carbohydrates and lipids.
Prerequisite(s): One of Chemistry 2120 or Chemistry 2500
Recommended Background: Biology 1010

BIOCHEMISTRY 2300
Elements of Human Nutrition
Credit hours: 3.0
Contact hours per week: 3-0-0
The science of human nutrition based on some elementary principles of Chemistry and Biochemistry. Nutritional requirements, the function and metabolism of nutrients and the practical means for achieving adequate nutrition are emphasized. The relationship among social and economic issues, nutrition, food production and distribution will be discussed.
Prerequisite(s): One of Chemistry 30 or Chemistry 0500

BIOCHEMISTRY 3100
Proteins, Enzymes and Nucleic Acids
Credit hours: 3.0
Contact hours per week: 3-3-0
Chemistry of proteins and nucleic acids with an emphasis on experimental techniques and the relation of structure to function.
Prerequisite(s): Biochemistry 2000 AND Chemistry 2600
Corequisite(s): Chemistry 2410

BIOCHEMISTRY 3300
Bioenergetics and Metabolism
Credit hours: 3.0
Contact hours per week: 3-3-0
Chemistry of carbohydrates and lipids and the metabolism of these and other cellular constituents. Energy transduction associated with catabolism and synthesis.
Prerequisite(s): Biochemistry 2000 AND Chemistry 2600
Corequisite(s): Chemistry 2740

BIOCHEMISTRY 4000
Studies in Biochemistry (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0 or 3-3-0 or 3-0-1
Advanced subjects in Biochemistry, drawing on the expertise of the instructor.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include one of Biochemistry 3100 or Biochemistry 3300

BIOCHEMISTRY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct an original research project, report orally on the work, and submit a final report in the form of an Undergraduate Thesis. The Thesis, which will normally be submitted in both print and electronic forms, will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND One of Biochemistry 3100 or Biochemistry 3300
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
Faculty regulations require extensive preparatory work prior to registration, including the submission of a Thesis Proposal. Students interested in the Undergraduate Thesis option should therefore discuss the matter with potential supervisors at least several weeks prior to the registration deadline.
See Part 7 - Arts and Science, Section 10.

BIOLOGY 1010
Cellular Basis of Life
Credit hours: 3.0
Contact hours per week: 3-3-0
Fundamental principles of cellular biology, including structure and function, metabolism, genetics, and molecular biology of eukaryotic and prokaryotic cells. Attention will be given to the application of cellular and molecular biology in medicine, agriculture and biotechnology.
Prerequisite(s): Biology 30 AND One of Chemistry 30 or Chemistry 0500 OR One of admission to the Post-Diploma B.Sc. in Agricultural Studies or admission to the Post-Diploma B.Sc. in Environmental Science
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Contact Hours per Week</th>
<th>Course Description</th>
<th>Prerequisite(s)</th>
<th>Equivalent Course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 1020</td>
<td>Diversity of Life</td>
<td>3.0</td>
<td>3-3-0</td>
<td>Comparative examination of the diversity of the major lineages of eukaryotic organisms from an evolutionary perspective.</td>
<td>Biology 1010 AND Biology 1020 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500 OR Biology 1010 AND admission to the Post-Diploma B.Sc. in Agricultural Studies</td>
<td>Biology 4806/Health Sciences 4806 (prior to 2010/2011)</td>
</tr>
<tr>
<td>BIOLOGY 2000</td>
<td>Principles of Genetics</td>
<td>3.0</td>
<td>3-3-0</td>
<td>Fundamental principles of heredity, including Mendelian laws and genetic recombination. Topics include general concepts of gene structure, inheritance, organization, and expression.</td>
<td>Biology 1010 AND Biology 1020 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500 OR Biology 1010 AND admission to the Post-Diploma B.Sc. in Agricultural Studies</td>
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</tr>
<tr>
<td>BIOLOGY 2003</td>
<td>Epidemiology</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Scope and application of epidemiology in relation to factors that affect health and contribute to disease in a global context.</td>
<td></td>
<td>Biology 3003/Health Sciences 3003 (prior to 2010/2011)</td>
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<tr>
<td>BIOLOGY 2200</td>
<td>Principles of Ecology</td>
<td>3.0</td>
<td>3-3-0</td>
<td>Examination of relationships between animals, plants, and their non-living and living environment. Topics include energy flow, nutrient cycles, ecological succession, and the ecology of individuals, populations, communities and ecosystems.</td>
<td>Biology 1010 AND Biology 1020 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500 OR Biology 1010 AND admission to the Post-Diploma B.Sc. in Agricultural Studies</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 2806</td>
<td>Immunology</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Biological role of immunity and natural resistance.</td>
<td>One of Biology 1010 or admission to the Faculty of Health Sciences</td>
<td>Biology 4806/Health Sciences 4806 (prior to 2010/2011)</td>
</tr>
<tr>
<td>SCIENCE 2806</td>
<td>Gene Expression and Regulation</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Molecular mechanisms of inheritance, rearrangement and regulated expression of genetic information.</td>
<td>Biology 2000</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 3000</td>
<td>Genome Maintenance</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Examination of the processes involved in maintaining the stability of the cellular genome. Topics include DNA damage and repair, DNA recombination, transposable DNA elements, and epigenetics.</td>
<td>Biology 2000</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 3105</td>
<td>Signal Transduction</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Intracellular systems regulating cell growth, division and differentiation; emphasis will be placed on how cells communicate.</td>
<td>Biology 2000</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 3115</td>
<td>Principles of Cell Growth</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Intracellular systems regulating cell communication in selected organisms, with emphasis on animal systems.</td>
<td>Biology 2000</td>
<td></td>
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<tr>
<td>BIOLOGY 3210</td>
<td>Experimental Methods in Molecular and Cellular Biology</td>
<td>3.0</td>
<td>3-3-0</td>
<td>Modern techniques in cell biology including elementary DNA sequence analysis, DNA purification, gene transfer systems, cell culture, cell staining and labelling, cell cycle analysis, and Western blotting.</td>
<td>Biology 2000 AND Chemistry 2000</td>
<td>Biology 3850 (Experimental Methods in Molecular and Cellular Biology) (prior to 2009/2010)</td>
</tr>
<tr>
<td>BIOLOGY 3300</td>
<td>Evolution</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Study of the mechanisms underlying the evolutionary process. Topics include natural selection, quantitative genetics, adaptation, and speciation.</td>
<td>Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science</td>
<td></td>
</tr>
<tr>
<td>BIOLOGY 3310</td>
<td>Developmental Biology</td>
<td>3.0</td>
<td>3-0-0</td>
<td>Genetic mechanisms controlling embryonic development, pattern formation, morphogenesis, and cell differentiation in selected model organisms.</td>
<td>Biology 2000 AND Biochemistry 2000</td>
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</tr>
</tbody>
</table>
COURSES

**BIOL 3400**
Principles of Microbiology
Credit hours: 3.0
Contact hours per week: 3-3-0
Introduction to microorganisms with an emphasis on metabolism, growth and control of growth, genetics, ecology, and microbial diversity, including bacteria, archaea, fungi, protists, algae and viruses.
Prerequisite(s): Biology 2000
Equivalent: Biology 3200 (prior to 2009/2010)

**BIOL 3420**
Animal Physiology
Credit hours: 3.0
Contact hours per week: 3-3-0
Organization and diversity of animal functions, including muscle contractions, respiration, circulation, osmoregulation, digestion, thermoregulation and the roles of the endocrine and nervous systems. Emphasis on vertebrates.
Prerequisite(s): One of Biology 2000 or Biology 2200
Recommended Background: Chemistry 2600

**BIOL 3460**
Plant Physiology
Credit hours: 3.0
Contact hours per week: 3-3-0
Physiological and molecular basis for plant growth and development. Topics include water relations, photosynthesis, mineral nutrition, active transport, hormones, and physiological acclimation to environmental stress.
Prerequisite(s): One of Biology 2000 or Biology 2200
Recommended Background: Chemistry 2500

**BIOL 3505**
Freshwater Biology
Credit hours: 3.0
Contact hours per week: 3-3-0
Survey of the major eukaryotic and prokaryotic organisms that play an important role within inland aquatic ecosystems. Topics include functional diversity, biogeography, and conservation and management of aquatic biodiversity.
Prerequisite(s): One of Biology 2000 or Biology 2200
Equivalent: Biology 3850 (Aquatic Biology) (prior to 2009/2010)

**BIOL 3520**
Invertebrate Zoology
Credit hours: 3.0
Contact hours per week: 3-3-0
Phylogeny and evolution of protozoans and invertebrate animals. Emphasis is on functional diversity of form and function, ecology, physiology, conservation, and behaviour of selected groups.
Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science

**BIOL 3530**
Vertebrate Zoology
Credit hours: 3.0
Contact hours per week: 3-3-0
Comparative survey of the morphology, evolution, classification, and natural history of the vertebrates.
Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science

**BIOL 3560**
Integrative Plant Biology
Credit hours: 3.0
Contact hours per week: 3-3-0
A general overview of plant structure and function with emphasis on flowering plant morphology and diversity. Economic uses of plants and the diversity and evolution of local flora.
Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science

**BIOL 3605**
Conservation Biology
Credit hours: 3.0
Contact hours per week: 3-0-0
Application of genetic, ecological and evolutionary theory to the understanding and management of biodiversity.
Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science
Recommended Background: Biology 3300
Equivalent: Biology 4600 (prior to 2009/2010)

**BIOL 3610**
Prairie Conservation
Credit hours: 3.0
Contact hours per week: 3-3-0
Comprehensive overview of the native prairie landscape in Alberta, including physical, ecological and cultural attributes of the prairies. Examination of ecological, social, industrial, management and policy issues.
Prerequisite(s): Biology 2200 AND Environmental Science 2000 OR Admission to the Post-Diploma B.Sc. in Environmental Science

**BIOL 3630**
Field Biology
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-70
Theory, implementation and analyses of ecological field experiments.
Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science

**BIOL 3700**
Ecosystem and Community Ecology
Credit hours: 3.0
Contact hours per week: 3-3-0
Examination of processes controlling plant community composition and ecosystem function. Topics include carbon acquisition, water use, decomposition, and nutrient recycling. Field work and computer assignments are included in laboratory projects.
Prerequisite(s): One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science
Recommended Background: Biology 2000 AND Statistics 1770
BIOLOGY 3710
Population Biology
Credit hours: 3.0
Contact hours per week: 3-0-0
Population genetics and population ecology, with emphasis on mutation, genetic drift, gene flow, selection and quantitative genetics, population growth, population regulation, demography and life tables, life-history evolution, and species interactions.
Prerequisite(s): One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science
Recommended Background: Statistics 1770
Equivalent: Biology 3850 (Population Biology) (prior to 2012/2013)

BIOLOGY 3800
Aquatic Ecosystems
Credit hours: 3.0
Contact hours per week: 3-3-0
Examination of major processes that occur in rivers and lakes, and the approaches presently used in modelling and managing them. Topics include primary and secondary production, nutrient loading and eutrophication, and physical and chemical processes that underlie aquatic ecosystem function.
Prerequisite(s): One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science

BIOLOGY 4100
Advances in Agricultural Biotechnology
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent and advanced aspects of molecular biology and biotechnology related to agriculture.
Prerequisite(s): Two of Biology 3000, Biology 3105, Biology 3210, or Biology 3400

BIOLOGY 4110
Advances in Genetics, Molecular and Cellular Biology
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent and advanced aspects of genetics, cellular, and molecular biology.
Prerequisite(s): One of Biology 3000 or Biology 3005 AND One of Biology 3105 or Biology 3115

BIOLOGY 4130
Genomics and Biotechnology
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent and advanced aspects of molecular genetics, bioinformatics and high throughput genomics, with an emphasis on cloning and human diseases.
Prerequisite(s): One of Biology 3000 or Biology 3005 AND One of Biology 3105 or Biology 3115

BIOLOGY 4140
RNA Biology
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of the cellular roles of RNA molecules and their effects on gene expression. Focus on RNA structure, protein-RNA complexes, RNA viruses, RNA processing, and modern experimental techniques used in the study of RNA function.
Prerequisite(s): Biology 3000
Recommended Background: Biochemistry 2000
Equivalent: Biology 4850 (RNA Biology) (prior to 2010/2011)

BIOLOGY 4170
Plant Biotechnology
Credit hours: 3.0
Contact hours per week: 3-3-0
Lecture, seminar and laboratory study of plant molecular biology and opportunities for biotechnological applications for crop plants in agriculture, horticulture and forestry.
Prerequisite(s): One of Biology 3210 AND One of Biology 3000 or Biology 3005
Recommended Background: Biology 3460

BIOLOGY 4200
Techniques in Molecular Biology
Credit hours: 3.0
Contact hours per week: 1-5-0
DNA isolation and manipulation, including experiments in subcloning, transformation, mutagenesis, PCR, restriction analyses, agarose gel electrophoresis, and DNA sequencing.
Prerequisite(s): One of Biology 3210 or Biology 3400
Recommended Background: Fourth-year standing (a minimum of 90.0 credit hours)

BIOLOGY 4230
Molecular and Cellular Biology of Cancer
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent developments in molecular and cellular biology of cancer. Topics include genetics and epigenetics of cancer, models of carcinogenesis, roles of oncogenes, DNA repair and genome instability, anti-cancer treatment strategies.
Prerequisite(s): One of Biology 3000 or Biology 3005 AND One of Biology 3105 or Biology 3115
Equivalent: Biology 4850 (Molecular and Cellular Biology of Cancer) (prior to 2009/2010)

BIOLOGY 4420
Environmental Physiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Comparative study of physiological functions of vertebrates and invertebrates, with emphasis on growth and reproduction, and the adaptations and responses of animals to environmental challenges such as salinity, temperature, hypoxia, food availability, altitude and pressure.
Prerequisite(s): One of Biology 3420 or Kinesiology 2610
Equivalent: Biology 4850 (Environmental Physiology) (prior to 2009/2010)

BIOLOGY 4440
Toxicology
Credit hours: 3.0
Contact hours per week: 3-0-0
Science of toxicology, including sources of toxicants, toxicokinetics, biotransformation, factors influencing toxicity, and target-organ toxicology with emphasis on the mechanisms of action of toxicants. Topics include cellular responses, biomarkers of exposure and effects, and species differences in vulnerability to toxicants.
Prerequisite(s): Biology 3420 AND Biochemistry 2000
Equivalent: Biology 3440 (prior to 2009/2010)
BIOLOGY 4500
Seminars in Biological Sciences
Credit hours: 3.0
Contact hours per week: 3-0-0
Emphasis on understanding principles of research in the modern Biological Sciences through weekly presentations from established researchers and associated readings from the primary literature.
Prerequisite(s): Biology 3300 AND One course (3.0 credit hours) from subfield List 1 (Cellular and Molecular Biology) AND One course (3.0 credit hours) from subfield List 2 (Organismal Biology) AND One course (3.0 credit hours) from subfield List 3 (Ecology and Evolutionary Biology).

BIOLOGY 4560
Plant Development
Credit hours: 3.0
Contact hours per week: 3-3-0
Examination of molecular genetic mechanisms and environmental factors controlling plant development.
Prerequisite(s): One of Biology 3000, Biology 3105, Biology 3115, Biology 3310, Biology 3460, or Biology 3560.

BIOLOGY 4700
Molecular Ecology
Credit hours: 3.0
Contact hours per week: 3-0-0
Application of genetic data to study the ecology of individuals, populations and communities. Emphasis is on the use of molecular markers to study biogeography, dispersal, mating systems, biodiversity, ecological interactions, speciation, and conservation genetics.
Prerequisite(s): One course (3.0 credit hours) from subfield List 3 (Ecology and Evolutionary Biology)
Equivalent: Biology 4850 (Molecular Ecology) (prior to 2009/2010)

BIOLOGY 4710
Evolutionary and Ecological Modelling
Credit hours: 3.0
Contact hours per week: 3-3-0
Analytical and simulation modelling in ecology and evolution. Population growth, selection, models of disease, the evolution of cooperation, and the evolution of aging.
Prerequisite(s): One course (3.0 credit hours) from subfield List 3 (Ecology and Evolutionary Biology) AND One of Mathematics 1410 or Mathematics 1560
Recommended Background: Statistics 1770
Equivalent: Biology 4850 (Evolutionary and Ecological Modelling) (prior to 2012/2013)

BIOLOGY 4740
Behavioural Ecology
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of how ecological contexts shape animal behaviour through natural selection. Topics include foraging, competition, sociality, mating systems, and communication.
Prerequisite(s): Biology 3300
Equivalent: Biology 4850 (Behavioural Ecology) (prior to 2014/2015)

BIOLOGY 4800
Biological of Parasitism
Credit hours: 3.0
Contact hours per week: 3-3-0
Application of ecological and evolutionary principles to host-parasite interactions. Topics include parasite biodiversity, ecological epidemiology, host-parasite coevolution, and applied parasitology.
Prerequisite(s): One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science AND Two courses (6.0 credit hours) from subfield List 2 (Organismal Biology) and/or List 3 (Ecology and Evolutionary Biology).

BIOLOGY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research, report orally on the work, and submit a report in the form of an Undergraduate Thesis, which will be made publicly available. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Six Biology courses (18.0 credit hours)
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.

BIOLOGY GRADUATE COURSES
(BIOL)
Faculty of Arts and Science

BIOLOGY 5010
Advances in Molecular and Cellular Biology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent advances in the fields of genetics, molecular biology, and cellular biology, with an emphasis on primary literature and modern techniques.
Prerequisite(s): Admission to the M.Sc. program

BIOLOGY 5410
Advances in Organismal Biology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent advances in the fields of organismal biology, including physiology and developmental biology, with emphasis on primary literature and modern techniques.
Prerequisite(s): Admission to the M.Sc. program
**BIOLOGY 5500**  
**Graduate Seminar Series: Current Topics in Biological Sciences**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A scientific literature-based course in which students will critically examine recent developments in a range of biological sciences, including cellular/molecular biology, organismal biology, and evolution/ecology. Seminar-style format including oral presentations, group discussions of assigned readings and scientific writing.  
Prerequisite(s): Admission to the M.Sc. program  
Note: This course is required for M.Sc. students in graduate programs in the Department of Biological Sciences.

**BIOLOGY 5710**  
**Advances in Ecology and Evolution (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Recent advances in the fields of ecology, evolution, and systematics, with an emphasis on primary literature and modern techniques.  
Prerequisite(s): Admission to the M.Sc. program

**BIOLOGY 7010**  
**Advances in Molecular and Cellular Biology (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Recent advances in the field of Biomolecular Science, including genetics, molecular biology, bioinformatics, and cellular biology, with an emphasis on primary literature and modern techniques.  
Prerequisite(s): Admission to the Ph.D. program

**BIOLOGY 7410**  
**Advances in Organismal Biology (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Recent advances in the field of Biosystems, including developmental biology, animal physiology, and plant physiology, with emphasis on the primary literature and modern techniques.  
Prerequisite(s): Admission to the Ph.D. program

**BIOLOGY 7500**  
**Graduate Seminar Series: Current Topics in Biological Sciences**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A scientific literature-based course in which students will critically examine recent developments in a range of biological sciences, including cellular/molecular biology, organismal biology, and evolution/ecology. Seminar-style format including oral presentations, group discussions of assigned readings and scientific writing.  
Prerequisite(s): Admission to the Ph.D. program  
Note: This course is required for all students in Ph.D. programs under direct supervision of a member or adjunct member of the Department of Biological Sciences.

**BIOLOGY 7710**  
**Advances in Ecology and Evolution (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Recent advances in the fields of Ecology and Evolution, including biodiversity, systematics, evolutionary biology, behavioural ecology, molecular evolution, and environmental science, with an emphasis on primary literature and modern techniques.  
Prerequisite(s): Admission to the Ph.D. program  
Note: This course is required for all students in Ph.D. programs under direct supervision of a member or adjunct member of the Department of Biological Sciences.
Canadian Studies 4995 - Chemistry 2120

CAREER DEVELOPMENT (CDEV)
Faculty of Education

CAREER DEVELOPMENT 2000
Life-Career Planning
Credit hours: 3.0
Contact hours per week: 3-0-0
The development of personal career and educational plans. A variety of activities will be used to help students recognize and craft career and life goals, and to identify and develop the skills and supports necessary for success.
Prerequisite(s): Fewer than 60.0 credit hours completed
OR Fewer than 30.0 credit hours completed for post-diploma students
Grading: Pass/Fail
Note: This course does not count as an Education elective in Education programs. For Arts and Science programs, this course counts toward the limit outside Arts and Science. All students are advised to check their program limits (See Part 4, Section 2.c, Exceeding Course Limits, p. 70) and to consult the appropriate Academic Advising Office.

CHEMISTRY (CHEM)
Faculty of Arts and Science

CHEMISTRY 0500
Introduction to Modern Chemistry
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected subjects in Chemistry, with emphasis on material necessary as background preparation for Chemistry 1000. This course is intended for students with little or no background in Chemistry.
Recommended Background: One of Chemistry 20 or Science 30 AND One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, or Mathematics 0500
Note: Credit for Chemistry 0500 will not normally be granted to those with Chemistry 30 or equivalent. Students may be able to take this course for credit with permission of the Department.

CHEMISTRY 1000
General Chemistry I
Credit hours: 3.0
Contact hours per week: 3-3-0
An introduction to the discipline and essential concepts of Chemistry.
Prerequisite(s): One of Chemistry 30 or Chemistry 0500 AND Mathematics 30, or Mathematics 0500
Recommended Background: Mathematics 31 AND Physics 30
Substantially Similar: Chemistry 1110; Chemistry 2110 (prior to 2009/2010)

CHEMISTRY 1110
Chemistry for Life Sciences I
Credit hours: 3.0
Contact hours per week: 3-3-0
A survey of general and organic chemistry with an emphasis on the life sciences.
Recommended Background: One of Chemistry 30 or Chemistry 0500 AND Mathematics 30, or Mathematics 0500
Equivalent: Chemistry 2110 (prior to 2009/2010)
Substantially Similar: Chemistry 1000
Note: Chemistry 1110 cannot be used to meet the requirements for the major in Chemistry.

CHEMISTRY 2000
General Chemistry II
Credit hours: 3.0
Contact hours per week: 3-3-0
Continuation of the introduction to the discipline and advanced concepts of Chemistry.
Prerequisite(s): Chemistry 1000

CHEMISTRY 2120
Chemistry for Life Sciences II
Credit hours: 3.0
Contact hours per week: 3-3-0
Continued survey of organic chemistry with an emphasis on the life sciences.
Prerequisite(s): Chemistry 1110
Substantially Similar: Chemistry 2500
Note: Chemistry 2120 cannot be used to meet the requirements for the major in Chemistry. Students who have credit for Chemistry 1000 and are interested in completing this course should contact the Department of Chemistry and Biochemistry.
CHEMISTRY 2310
Chemistry and Biochemistry in Society
Credit hours: 3.0
Contact hours per week: 3-0-0
A course designed for non-Chemistry or non-Biochemistry majors. The course will examine the history of basic chemistry and its impact on society. This will include energy, synthetic materials, pollution, consumer chemistry, drugs and other current topics of interest.
Note: This course is intended for non-science majors and will not be counted toward the B.Sc. degree in Chemistry or the B.Sc. degree in Biochemistry. Chemistry and Biochemistry majors will be blocked from registering in this course.

CHEMISTRY 2320
History of Chemistry
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to key figures and major discoveries throughout the history of chemistry. Topics include the origins of chemistry; the development of fundamental theories; the beginnings of organic chemistry; and the rise of inorganic, analytical, physical and industrial chemistry.
Prerequisite(s): One of Chemistry 30 or Chemistry 0500 AND Second-year standing (a minimum of 30.0 credit hours)

CHEMISTRY 2410
Analytical Chemistry I
Credit hours: 3.0
Contact hours per week: 3-3-0
Principles of quantitative analysis: gravimetric and volumetric analysis; acid-base, complexation and oxidation-reduction titrations; statistical treatment of data.
Prerequisite(s): Chemistry 2000 AND Mathematics 1560

CHEMISTRY 2500
Organic Chemistry I
Credit hours: 3.0
Contact hours per week: 3-3-0
An introduction to the chemistry of carbon-containing compounds. This course builds a foundation for the study of organic compounds by examining their structure, bonding and stereochemistry. Methods of structure determination and investigations of reaction mechanism are also introduced.
Prerequisite(s): Chemistry 2000
Substantially Similar: Chemistry 2120
Note: Some familiarity with Calculus and Physics is recommended.

CHEMISTRY 2600
Organic Chemistry II
Credit hours: 3.0
Contact hours per week: 3-3-0
A continuation of Chemistry 2500 with an emphasis on the transformations of organic compounds and the mechanistic processes involved.
Prerequisite(s): Chemistry 2500

CHEMISTRY 2740
Physical Chemistry
Credit hours: 3.0
Contact hours per week: 3-3-0
Basic theories of thermodynamics and kinetics with applications in chemistry, biochemistry, and the life sciences. The laboratory will emphasize experimental methods of physical chemistry; data handling and report writing.
Prerequisite(s): Chemistry 2000 AND Mathematics 2560
Corequisite(s): Physics 2000

CHEMISTRY 3250
Contemporary Chemistry
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of current developments in chemistry. Current research interests and recent applications of chemistry in industry. Specific topics will be presented each week by invited speakers and staff. Student presentations; effective searching of chemical literature and databases.
Prerequisite(s): Chemistry 2410 AND Chemistry 2600 AND Mathematics 2560 AND Physics 2000
Corequisite(s): Chemistry 2740

CHEMISTRY 3410
Analytical Chemistry II
Credit hours: 3.0
Contact hours per week: 3-3-0
Introduction to the major instrumental methods of analytical chemistry; atomic and molecular spectrophotometry; gas and liquid chromatography.
Prerequisite(s): Chemistry 2410 AND Chemistry 2600 AND Chemistry 2740 AND Mathematics 2560 AND Physics 2000

CHEMISTRY 3730
Advanced Physical Chemistry
Credit hours: 3.0
Contact hours per week: 3-3-0
Principles of quantum mechanics and applications in chemistry; applications to molecular structure and spectroscopy. The computational laboratory includes both a computer algebra module in support of the theoretical developments and an introduction to ab initio quantum chemical calculations.
Prerequisite(s): Chemistry 2600 AND Mathematics 1410 AND Mathematics 2560 AND Physics 2000
Corequisite(s): Chemistry 2740

CHEMISTRY 3830
Inorganic Chemistry I
Credit hours: 3.0
Contact hours per week: 3-4-0
Basic concepts of inorganic chemistry; bonding and symmetry; chemistry of the elements with an emphasis on main group elements and their inorganic and organometallic compounds. Laboratory experiments illustrate the lecture topics with an emphasis on chemical synthesis and characterization.
Prerequisite(s): Chemistry 2600 AND Chemistry 2740

CHEMISTRY 3840
Inorganic Chemistry II
Credit hours: 3.0
Contact hours per week: 3-4-0
Chemistry of the elements with an emphasis on transition metals and their inorganic and organometallic compounds. Laboratory experiments illustrate the lecture topics with an emphasis on chemical synthesis and characterization.
Prerequisite(s): Chemistry 3830
CHEMISTRY 4000
Advanced Chemistry (Series)
Credit hours: 3.0
Contact hours per week: 3:0-0 or 3:3-0
In each offering, an area of chemistry including advanced topics in analytical, organic, inorganic, physical, and theoretical chemistry will be explored in depth. Past offerings have included NMR spectroscopy, group theory, crystallography, electroanalytical chemistry, and organometallic chemistry.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND
Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include all of Chemistry 2410 AND Chemistry 2600 AND Chemistry 2740 AND Mathematics 2560 AND Physics 2000

CHEMISTRY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct an original research project, report orally on the work, and submit a final report in the form of an Undergraduate Thesis. The Thesis, which will normally be submitted in both print and electronic form, will be made publicly available. Students will define a research plan in consultation with their Thesis Supervisor.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND
A cumulative GPA of 3.30 or higher AND
At least 10 courses completed in the Chemistry major
Corequisite(s): Chemistry 3250
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as a considerable amount of independent work.
Faculty regulations require extensive preparatory work prior to registration, including the submission of a Thesis Proposal. Students interested in the Undergraduate Thesis option should therefore discuss the matter with potential supervisors at least several weeks prior to the registration deadline.
See Part 7 - Arts and Science, Section 10.

CHEMISTRY GRADUATE COURSES (CHEM)
Faculty of Arts and Science

CHEMISTRY 5250
Advanced Contemporary Chemistry
Credit hours: 3.0
Contact hours per week: 3:0-0
Current developments in Chemistry at the graduate level with a focus on leading-edge developments in the discipline. Specific topics will be presented each week by invited speakers, staff, and by the graduate students themselves.
Prerequisite(s): Admission to the M.Sc. program
Substantially Similar: Chemistry 7250

CHEMISTRY 7250
Advanced Contemporary Chemistry
Credit hours: 3.0
Contact hours per week: 3:0-0
Current developments in Chemistry at the graduate level with a focus on leading-edge developments in the discipline. Specific topics will be presented each week by invited speakers, staff, and by the graduate students themselves.
Prerequisite(s): Admission to the Ph.D. program
Substantially Similar: Chemistry 5250

COMPUTER SCIENCE 1620
Fundamentals of Programming I
Credit hours: 3.0
Contact hours per week: 3:1-1
Prerequisite(s): One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, Mathematics 0500, admission to the Post-Diploma B.Sc. in Agricultural Studies, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science

COMPUTER SCIENCE 1820
Discrete Structures
Credit hours: 3.0
Contact hours per week: 3:0-1
Prerequisite(s): One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, Mathematics 0500, or admission to the Post-Diploma B.Sc. in Computer Science
Substantially Similar: Mathematics 2865 (prior to 2011/2012)

COMPUTER SCIENCE 2610
Introduction to Digital Systems
Credit hours: 3.0
Contact hours per week: 3:2-0
Overview of computer technology and computer science. Hardware and the concept of software. Introduction to common applications. Problem solving using the computer. Social issues in computing.
Substantially Similar: Management 2060 (prior to 2015/2016)
Note: This course may NOT be included among the courses required for a Computer Science or Mathematics major in Arts and Science.
COMPUTER SCIENCE 2620
Fundamentals of Programming II
Credit hours: 3.0
Contact hours per week: 3-1-1
Introduction to object-oriented programming techniques: classes, objects, and methods. Generic programming, recursion, abstract data types, lists, stacks, queues, priority queues, binary trees. Algorithms for searching and sorting, and algorithm analysis.
Prerequisite(s): Computer Science 1620 AND One of Computer Science 1820 or Mathematics 1410

COMPUTER SCIENCE 2720
Practical Software Development
Credit hours: 3.0
Contact hours per week: 3-2-0
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science

COMPUTER SCIENCE 2820
Fundamental Concepts of Database Systems
Credit hours: 3.0
Contact hours per week: 3-2-1
A study of database concepts including databases, data models, and database design. An introduction to database management systems.
Prerequisite(s): Computer Science 2620 AND Computer Science 2620 - Computer Science 3710

COMPUTER SCIENCE 3200
Practical Problem Solving in Computer Science
Credit hours: 3.0
Contact hours per week: 1.5-1.5-0
A study of problem solving techniques including divide and conquer, dynamic programming, greedy algorithms, search and backtracking, heuristics for hard problems. The techniques will be applied for programming solutions to small but challenging problems from a variety of areas, including arithmetic and algebra, number theory, graph theory, combinatorics, geometry, strings.
Prerequisite(s): Computer Science 3620 AND Application to the Department of Mathematics and Computer Science

Note: The course is intended for students who enjoy solving programming contest problems and will serve as preparation for the ACM International Collegiate Programming Contest.

COMPUTER SCIENCE 3615
Computer Architecture
Credit hours: 3.0
Contact hours per week: 3-0-0
Register-level transfer design. Constructions of the basic subsystems of computers (control unit, arithmetic and logic unit, data path, memory, input/ output). Assembly of subsystems into basic computer architecture. Performance enhancement techniques.
Prerequisite(s): Computer Science 2610 AND Computer Science 2620 OR Admission to the Post-Diploma B.Sc. in Computer Science

COMPUTER SCIENCE 3620
Data Structures and Algorithms
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 1820 AND One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science

COMPUTER SCIENCE 3630
Theoretical Foundations of Computing
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of Computer Science 1620 or admission to the Post-Diploma B.Sc. in Computer Science AND Mathematics 2000

COMPUTER SCIENCE 3655
Operating Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 2720 AND Computer Science 3615
Equivalent: Computer Science 4650 (prior to 2009/2010)

COMPUTER SCIENCE 3660
Introduction to Database Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Fundamental concepts of database management: modelling, design and implementation. The languages and facilities provided by database management systems, and system implementation techniques.
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science AND One of Geography 3740 or Mathematics 2000

Recommended Background: Computer Science 2720

COMPUTER SCIENCE 3710
Computer Graphics
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science
COMPUTER SCIENCE 3720
Introduction to Software Engineering
Credit hours: 3.0
Contact hours per week: 3-0-0
System life cycle and methodologies, estimating and planning, requirements gathering and specification, system external design, system internal design, development and implementation, testing, operation and maintenance, quality assurance.
Prerequisite(s): Computer Science 2720

COMPUTER SCIENCE 3730
Cryptography
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science AND Mathematics 2000

COMPUTER SCIENCE 3740
Programming Languages
Credit hours: 3.0
Contact hours per week: 3-0-0
A comparison of programming languages and their implementations. One language from each of the following families: functional, declarative/logic, object-oriented. Topics selected from: garbage collection, heap management, procedural languages, historical developments.
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science AND Mathematics 2000

COMPUTER SCIENCE 3750
Artificial Intelligence
Credit hours: 3.0
Contact hours per week: 3-0-0
Problem-solving in artificial intelligence. Knowledge representation and reasoning. Selected topics from uncertainty, probabilistic reasoning, planning and robotics, learning techniques, pattern recognition, natural language processing, and computer vision.
Prerequisite(s): One of Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science
Recommended Background: One of Computer Science 1820 or Mathematics 2000

COMPUTER SCIENCE 3770
Human-Computer Interaction
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 2720
Equivalent: Computer Science 3850 (Human-Computer Interaction) (prior to 2009/2010)

COMPUTER SCIENCE 3780
Data Communications and Networking
Credit hours: 3.0
Contact hours per week: 3-0-0
Layered network design. Data encoding and transmission. Data link protocols, network protocols, and network applications. OSI and TCP/IP models.
Prerequisite(s): Computer Science 2620 or admission to the Post-Diploma B.Sc. in Computer Science

COMPUTER SCIENCE 4110
Studies in Algorithms (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in algorithms. Subjects may include, but are not limited to, discrete and continuous optimization, computational geometry, computational mathematics.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND Additional prerequisites will be specified (including any recommended background) for individual offerings

COMPUTER SCIENCE 4210
Studies in Systems (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in the design of systems. Subjects may include, but are not limited to, database systems, computer networks, operating systems, topics related to circuit design, compilers and compilation techniques, parallel and distributed systems.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND Additional prerequisites will be specified (including any recommended background) for individual offerings

COMPUTER SCIENCE 4310
Studies in Computational Intelligence (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in computational intelligence. Subjects may include, but are not limited to, artificial intelligence, data mining, image processing, audio processing, natural language processing, human-computer interaction, bioinformatics, computer vision, machine learning.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND Additional prerequisites will be specified (including any recommended background) for individual offerings
Equivalent: Computer Science 4850 (Advanced Artificial Intelligence) (prior to 2012/2013) is equivalent to the same offering in the Computer Science 4310 Series.
COMPUTER SCIENCE 4600
Compiler Design
Credit hours: 3.0
Contact hours per week: 3-0-0
Lexical and syntax analysis. Top-down and bottom-up parsing. Syntax-directed definition, semantics, and code generation.
Prerequisite(s): Computer Science 3620 AND Computer Science 3630
Recommended Background: Computer Science 3740

COMPUTER SCIENCE 4625
Design and Analysis of Advanced Algorithms
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 3620 AND Computer Science 3630

COMPUTER SCIENCE 4660
Database Management Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Systems issues and requirements related to the maintenance and the integrity of the data such as data storage, querying, and transaction management.
Prerequisite(s): Computer Science 3660

COMPUTER SCIENCE 4780
Distributed Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 3655 AND Computer Science 3780
Equivalent: Computer Science 3850 (Distributed Systems) (prior to 2009/2010)

COMPUTER SCIENCE 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

COMPUTER SCIENCE 5110
Studies in Algorithms (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in algorithms. Subjects may include, but are not limited to, discrete and continuous optimization, computational geometry, computational mathematics.
Prerequisite(s): Admission to the M.Sc. program
Equivalent: Computer Science 5850 (Advanced Artificial Intelligence) (prior to 2012/2013)

COMPUTER SCIENCE 5210
Studies in Systems (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in the design of systems. Subjects may include, but are not limited to, database systems, computer networks, operating systems, topics related to circuit design, compilers and compilation techniques, parallel and distributed systems.
Prerequisite(s): Admission to the M.Sc. program

COMPUTER SCIENCE 5310
Studies in Computational Intelligence (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in computational intelligence. Subjects may include, but are not limited to, artificial intelligence, data mining, image processing, audio processing, natural language processing, human-computer interaction, bioinformatics, computer vision, machine learning.
Prerequisite(s): Admission to the M.Sc. program
Equivalent: Computer Science 5850 (Advanced Artificial Intelligence) (prior to 2012/2013)

CREE
Faculty of Arts and Science

CREE 1000
Introductory Spoken Cree
Credit hours: 3.0
Contact hours per week: 3-0-0
Plains Cree as a second language.

CREE 2210
Structure of the Plains Cree Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Distinctive sounds of Cree and their phonetic detail. The Cree alphabet and grammatical system.

DRAMA
Faculty of Fine Arts

DRAMA 1000
Introduction to Dramatic Arts
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-15
An exploration of the traditions, theories, and disciplines related to the production of theatre projects, as well as an investigation of the relationship between theatre, artistic expression and society.
Note: Production attendance.
DRAMA 2010
Performance Fundamentals
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-15
A study of performance fundamentals utilizing, body, voice, imagination, with attention to collaboration.
Corequisite(s): Drama 1000
Note: Studio course. Production attendance, rehearsal.

DRAMA 2100
Play Reading and Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
A practical examination of the principles and techniques involved in script analysis for theatre practitioners.

DRAMA 2120
History and Development of Theatre I
Credit hours: 3.0
Contact hours per week: 3-0-0
History and development of theatre from its origins to 1700.
Prerequisite(s): One of Drama 1000 or Second-year standing (a minimum of 30.0 credit hours)
Recommended Background: Writing 1000

DRAMA 2130
History and Development of Theatre II
Credit hours: 3.0
Contact hours per week: 3-0-0
History and development of theatre from 1700 to the present.
Prerequisite(s): Drama 2120

DRAMA 2200
Acting: Fundamentals
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
Performance-based study of the art of acting. Scene study with an emphasis on characterization.
Corequisite(s): Drama 1000
Note: Studio course. Production attendance, rehearsal.

DRAMA 2300
Voice and Speech: Fundamentals
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-10
Introduction to breath support, sound production, resonance and articulation with an emphasis placed on freeing the voice.
Corequisite(s): Drama 1000
Note: Studio course. Production attendance, rehearsal.

DRAMA 2310
Movement Studies: Fundamentals
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
Performance-based study of movement arts, through training, analysis and composition in a variety of movement techniques.
Corequisite(s): Drama 1000
Note: Studio course. Production attendance, rehearsal.

DRAMA 2330
Movement Studies I (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-15
Introductory study of movement and dance techniques and topics.
Recommended Background: Drama 2340
Note: Studio course. Production attendance, rehearsal.

DRAMA 2350
Speech Communication
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-6
The art of effective communication through speech focusing on the theoretical principles and the dynamics of delivering effective speeches to a group.
Note: Studio course.

DRAMA 2400
Directing: Fundamentals
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-20
A discovery of directing principles and techniques, including play selection, script analysis, casting, and working with actors.
Prerequisite(s): Drama 1000 AND Drama 2100
Note: Studio course. Production attendance, rehearsal.

DRAMA 2510
Theatre for Young Audiences I
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-40
The variety of approaches used by actors, designers, directors and educationalists in preparation of theatre for children.
Corequisite(s): Drama 1000
Note: Studio course. Rehearsal, working weekend, performance off campus.

DRAMA 2600
Portfolio in Dramatic Arts I
Credit hours: 3.0
Other hours: 0-0-50
Participation in two faculty supervised productions of the Department of Theatre and Dramatic Arts. Preparation of material from the perspective of actor, designer or technician.
Prerequisite(s): Successful assignment to the cast or production staff of a Department of Theatre and Dramatic Arts production
Grading: Pass/Fail

DRAMA 2611
Technical Theatre Portfolio I
Credit hours: 3.0
Other hours: 0-0-80
Participation in two faculty supervised productions of the Department of Theatre and Dramatic Arts from the perspective of a technician.
Prerequisite(s): Successful assignment to the production staff of a Department of Theatre and Dramatic Arts production
Corequisite(s): Drama 2810
Grading: Pass/Fail
DRAMA 2710
Improvisation and Dramatic Process
Credit hours: 3.0
Contact hours per week: 3:0-0
Other hours: 0:0-12
Fundamentals of improvisation, non-scripted theatre creation, with attention to collaborative expression.
Corequisite(s): Drama 1000
Note: Studio course.
Production attendance.

DRAMA 2750
Dramatic Writing: Fundamentals
Credit hours: 3.0
Contact hours per week: 3:0-0
An exploration of dramatic writing for stage, screen and television.
Prerequisite(s): Drama 1000 AND Drama 2100
Note: Studio course.

DRAMA 2810
Introduction to Stagecraft
Credit hours: 3.0
Contact hours per week: 3:0-0
Other hours: 0:0-10
Introduction to theatre production techniques including sets, props, lighting, sound, costumes, and stage management.
Substantially Similar: Drama 2811 (prior to 2009/2010);
Drama 2812 (prior to 2009/2010)
Note: Studio course.

DRAMA 2825
Introduction to Design for Theatre
Credit hours: 3.0
Contact hours per week: 3:0-0
Other hours: 0:0-20
Introduction of the elements and principles of design and their application to scenery and costume design for theatre.
Prerequisite(s): Drama 1000 AND Drama 2100
Note: Studio course.
Production attendance, rehearsal.

DRAMA 2830
Stage Makeup
Credit hours: 3.0
Contact hours per week: 3:0-0
An introduction to the concept, materials and skills of theatrical makeup. Covers the art of two-dimensional and three-dimensional makeup techniques with emphasis on aging.
Note: Studio course.

DRAMA 3030
Introduction to Film Studies
Credit hours: 3.0
Contact hours per week: 1:3-0
An introduction to the study of narrative filmmaking focusing on the historical function, effects, and uses of various formal properties including narrative structure, design, composition, cinematography, editing, sound and performance.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)

DRAMA 3040
Exploring Creativity
Credit hours: 3.0
Contact hours per week: 3:0-0
Study of creativity in various areas of human endeavor. Use of drama exercises and projects to explore the creative process and develop creative thinking skills.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Note: Studio course.

DRAMA 3100
Theatre in Performance
Credit hours: 3.0
Contact hours per week: 2:0-0
Other hours: 0:0-40
Principles and techniques for analysis of live theatrical performances.
Prerequisite(s): Drama 1000 AND Drama 2100 OR 15 university-level courses (a minimum of 45.0 credit hours)
Note: Off-campus production attendance required. Students should not register in this course while participating in major theatrical productions, on-campus or off-campus.

Students enrolled in Drama 3100 are required to purchase a theatre ticket and travel package in lieu of a textbook. The cost of this package varies from semester to semester. Students planning on enrolling in Drama 3100 are advised to contact the course instructor for anticipated ticket and travel package costs.

DRAMA 3130
Canadian Theatre
Credit hours: 3.0
Contact hours per week: 3:0-0
The development of theatre in English and French Canada from the 17th Century to the present.
Prerequisite(s): Drama 2130

DRAMA 3150
Theatre Studies Series
Credit hours: 3.0
Contact hours per week: 3:0-0
Other hours: 0:0-35
Performance-based study of acting with an emphasis on scripted texts.
Prerequisite(s): Drama 2310 AND Drama 2320 AND Drama 2340 AND Successful Performance audition
Corequisite(s): Drama 2100
Note: Studio course.
Production attendance, rehearsal, performance on campus.

DRAMA 3310
Acting: Scene Study I
Credit hours: 3.0
Contact hours per week: 6:0-0
Other hours: 0:0-35
Performance-based study of acting with an emphasis on scripted texts.
Prerequisite(s): Drama 2310 AND Drama 2320 AND Drama 2340 AND Successful Performance audition
Corequisite(s): Drama 2100
Note: Studio course.
Production attendance, rehearsal, performance on campus.

DRAMA 3311
Acting: Scene Study II
Credit hours: 3.0
Contact hours per week: 6:0-0
Other hours: 0:0-40
Intense application and further development of skills covered in Drama 3310.
Prerequisite(s): Drama 3310
Note: Studio course.
Production attendance, rehearsal, performance.
DRAMA 3320

Voice and Speech for the Actor
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-8
An intensive exploration of voice work with application to scripted texts in performance.
Prerequisite(s): Drama 2310 AND Drama 2320
Note: Studio course.
Production attendance, rehearsal, performance on campus.

DRAMA 3341

Movement Studies II (Series)
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-25
Intensive performance-based study of dance and movement theatre techniques and methods of composition.
Prerequisite(s): One of Drama 2340 or Drama 2341

DRAMA 3510

Theatre for Young Audiences II
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-25
An investigation of contemporary approaches to Theatre for Young Audiences.
Prerequisite(s): Drama 2510
Note: Studio course.
Production attendance, rehearsal, performance on and/or off campus.

DRAMA 3600

Portfolio in Dramatic Arts II
Credit hours: 3.0
Other hours: 0-0-75
Approved participation in one major production of the Department of Theatre and Dramatic Arts. Preparation of the material from the perspective of actor, designer, technician or other faculty-approved role.
Prerequisite(s): Successful assignment to the cast or production staff of a Department of Theatre and Dramatic Arts production
Note: All students must complete an Application and Approval for Production Credit form. The form must be signed by the supervising faculty member no more than 10 days from the beginning of the student's assignment to the production.

DRAMA 3611

Technical Theatre Portfolio II
Credit hours: 3.0
Other hours: 0-0-100
Approved participation in at least one technical area in one faculty supervised production of the Department of Theatre and Dramatic Arts. Preparation of material from the perspective of the technician or designer.
Prerequisite(s): Drama 2611 AND Successful assignment to the production staff of a Department of Theatre and Dramatic Arts production
Note: All students must complete an Application and Approval for Production Credit form. The form must be signed by the supervising faculty member no more than 10 days from the beginning of the student's assignment to the production.

DRAMA 3700

History of Costume
Credit hours: 3.0
Contact hours per week: 3-0-0
The development of clothing within Western civilization from antiquity to the present.
Prerequisite(s): Drama 1000 AND Drama 2750
Note: Studio course.

DRAMA 3705

Design Techniques
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-25
Drafting hours per week: 6-0-0
Drafting for the stage, model construction and computer application to theatre design.
Prerequisite(s): Drama 2825
Note: Studio course.
Rehearsal/production attendance.

DRAMA 3750

Playwriting
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-20
The art and craft of writing for the stage with emphasis on the one-act play.
Prerequisite(s): Drama 2310 AND Drama 2750
Note: Studio course.
Production attendance, rehearsal, performance on campus.

DRAMA 3751

Topics in Dramatic Arts
Credit hours: 3.0
Minimum of 45.0 credit hours
Topics in Drama not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Will be specified (including any recommended background, for individual offerings)
Note: Studio course.
Rehearsal/production attendance.

DRAMA 3760

Canadian Plays in Development
Credit hours: 6.0
Contact hours per week: Variable
Professional practicum in play development and production focusing on one or two previously unproduced Canadian works.
Prerequisite(s): Audition and/or interview
Recommended Background:
Drama 2100 AND Drama 2310 AND Drama 2750

DRAMA 3821

Technical Theatre Studies (Series)
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-30
Offerings in specific technical production techniques such as Stage Management, Costume Construction, Mask Making, Set Construction, Scene Painting, Advanced Makeup, CAD, and Properties, depending on student interest and faculty availability.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
Note: Studio course.
DRAMA 4100
Theatre in Professional Contexts
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-25
An examination of theatre in professional contexts, including an investigation of organizational models, funding structures, grant programs, and professional affiliations and practices.
Prerequisite(s): Drama 3100
Substantially Similar: Drama 4850 (Theatre in Professional Contexts) (prior to 2013/2014)

DRAMA 4211
Theories of Theatre
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories of theatre since Aristotle, with an emphasis on the 20th Century and contemporary critical theory.
Prerequisite(s): Drama 3130

DRAMA 4311
Performance Workshop
Credit hours: 3.0
Contact hours per week: 6-0-0
Studio-based experiences of contemporary practices in live theatrical performance and theatre creation.
Prerequisite(s): Drama 3310
Note: Studio course. Rehearsal/production attendance.

DRAMA 4312
Acting for the Camera
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-40
Techniques and processes used in performance for television, film, and other related media.
Prerequisite(s): Drama 3310
Note: Studio course. Rehearsal/participation in film project on and/or off campus.

DRAMA 4420
Directing
Credit hours: 3.0
Contact hours per week: 6-0-0
Other hours: 0-0-50
Advanced projects in directing.
Prerequisite(s): 13 courses (39.0 credit hours) in Drama including Drama 2310, Drama 2420, Drama 2810, and Drama 3100
Note: Studio course. Production attendance, rehearsal, performance on campus.

DRAMA 4600
Portfolio in Dramatic Arts III
Credit hours: 3.0
Other hours: 0-0-100
Approved participation in one major production of the Department of Theatre and Dramatic Arts. Preparation of material from the perspective of actor, designer, technician or other faculty-approved role.
Prerequisite(s): Successful assignment to the cast or production staff of a Department of Theatre and Dramatic Arts production
Note: All students must complete an Application and Approval for Production Credit form. The form must be signed by the supervising faculty member no more than 10 days from the beginning of the student's assignment to the production.

DRAMA 4611
Technical Theatre Portfolio III
Credit hours: 3.0
Other hours: 0-0-100
Approved participation in at least one technical area. Preparation of material from the perspective of the technician or designer.
Prerequisite(s): Drama 2611 AND Drama 2611 AND Successful assignment to the production staff of a Department of Theatre and Dramatic Arts production
Note: All students must complete an Application and Approval for Production Credit form. The form must be signed by the supervising faculty member no more than 10 days from the beginning of the student's assignment to the production.

DRAMA 4850
Topics in Dramatic Arts
Credit hours: 3.0
Contact hours per week: Variable
Topics in Drama not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

DRAMA GRADUATE COURSES (DRAM)

DRAMA 5148
Graduate Studio I
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Admission to the M.F.A. program with major in Theatre and Dramatic Arts

DRAMA 5149
Graduate Studio II
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Drama 5148

DRAMA 5150
Graduate Theatre Studies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Graduate level course with offerings in subject areas dealing with significant developments in theatre and dramatic arts such as major artists/theorists, major playwrights, genres and styles, historical periods, non-Western Theatre, dance, and film.
Prerequisite(s): Admission to the M.F.A. program with major in Theatre and Dramatic Arts

DRAMA 5211
Graduate Seminar in Theories of Theatre
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced theories of theatre since Aristotle, with an emphasis on the 20th Century and contemporary critical theory.
Prerequisite(s): Admission to the M.F.A. program with major in Theatre and Dramatic Arts
ECONOMICS 2110
Introduction to Microeconomics
Credit hours: 3.0
Contact hours per week: 3:0-0 or 3:1-0
The study of how prices and quantities are determined in the marketplace. Consumers' and firms' views of the various markets in which goods and services are bought and sold. Current everyday life examples of microeconomics, as well as the role of government in the Canadian free market system.
Note: This course may be offered with a lab component.

ECONOMICS 2120
Introduction to Macroeconomics
Credit hours: 3.0
Contact hours per week: 3:0-0 or 3:1-0
The study of the current Canadian economy, including the roles of the Federal Government and the Bank of Canada. Canada's output, unemployment, inflation, money, interest rates, investment, consumption, and trade relationships in the economy. Canada's role in the world economy.
Note: This course may be offered with a lab component.

ECONOMICS 2140
Introduction to Financial Economics
Credit hours: 3.0
Contact hours per week: 3:0-0
The interplay between basic concepts of Economics and Finance. Simple and compound interest, with applications to continuous interest, annuities and perpetuities, loan and mortgage payments, sinking funds, bonds, capitalization and depreciation. Topics include the calculation of net present values, basic asset pricing, evaluation of risk and return, capital budgeting, and financial derivatives. Emphasis on practical problems with economic applications.
Equivalent: Economics 2850 (Financial Economics) (prior to 2010/2011)

ECONOMICS 2150
Economics of Professional Sports
Credit hours: 3.0
Contact hours per week: 3:0-0
The application of basic economic principles to analyze and interpret current issues in professional sports. Topics include: history and economic characteristics of professional sports leagues; profitability and taxes; views of salary negotiations and salary caps; cost-benefit analysis of new stadiums; player and team production and salaries; rival leagues; and competitive parity.

ECONOMICS 2170
Economics of Agricultural Issues
Credit hours: 3.0
Contact hours per week: 3:0-0
Equivalent: Economics 1010

ECONOMICS 2180
Economic History of Canada
Credit hours: 3.0
Contact hours per week: 3:0-0
Development of the Canadian economy from colonial times to the present; European origins; the staple trades, growth of agriculture, manufacturing, transportation; growth of banking and capital market institutions; roles of government; historical origins of contemporary Canadian economic problems; application of economics to historical issues.
ECONOMICS 2350  
Economics of Agricultural Markets I  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
An introduction to the processes and institutions comprising the contemporary food marketing system. Basic theory and underlying factors determining and affecting grain and livestock prices. Spatial price relationships. Temporal price variation. Price differences due to form (particularly dealing with grading and quality), Prices as a coordinating mechanism in vertically-related systems. Derived demand and marketing margins. Marketing boards.  
Prerequisite(s): Economics 1010

ECONOMICS 2750  
Quantitative Methods in Economics  
Credit hours: 3.0  
Contact hours per week: 3:0-0 or 3:1-0  
The mathematical interpretation of fundamental economic concepts; demand and supply; competitive equilibrium. Application of the calculus and matrix algebra to production and distribution theory, growth models and investment theory. Solving systems of linear equations, optimization problems and some dynamics of economic systems.  
Prerequisite(s): Economics 1010  
Note: This course may be offered with a lab component.

ECONOMICS 2900  
Economics and Business Statistics  
Credit hours: 3.0  
Contact hours per week: 3:0-0 or 3:1-0  
The application of statistical techniques to economic and business data, with emphasis on statistical estimation, hypothesis testing, regression, correlation, time series analysis and index numbers.  
Prerequisite(s): Statistics 1770 AND One of Economics 1010 or Economics 1012  
Substantially Similar: Statistics 2780  
Note: This course may be offered with a lab component.

ECONOMICS 3012  
Intermediate Macroeconomic Theory  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Utilization of economic principles to study the determination of income, consumption, investment, employment, price level, and how government policies impact them. Topics include the measurement of unemployment, income, and inflation; theories of economic growth; basic analysis of business-cycle fluctuations of two main macroeconomic models (the flexible-price macroeconomics and the fixed-price macroeconomics); and the effect of fiscal and monetary policies on the economy.  
Prerequisite(s): Economics 1012

ECONOMICS 3030  
Managerial Economics  
Credit hours: 3.0  
Contact hours per week: 3:0-0 or 3:1-0  
An introduction to the application of economic principles to organizations and how they operate. The neoclassical theory of the firm, team production, property rights, ownership and efficiency, contract theory, rent capture, agency problems and corporate control, managing human resources, core competencies and competitive strategies, organizational structure in a global environment. C ase studies relate theoretical concepts to modern firms.  
Prerequisite(s): Economics 1010  
Note: This course may be offered with a lab component.

ECONOMICS 3080/ MANAGEMENT 3780  
Principles of Industrial Organization I  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
The development of economic principles applied to the behaviour of individual firms and the collection of firms at the industry level. Topics include measures of market power, cost concepts and output decisions, various types of price discrimination and their effects on firm profits and consumer welfare, pricing strategies, providing product optimal varieties and quality, product bundling and tie-in sales. An introduction to game theory, and strategic pricing and output behaviour.  
Prerequisite(s): Economics 1010

ECONOMICS 3210  
Natural Resource Economics  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Economic issues and analysis related to the use of renewable and non-renewable resources, and their extraction, management, conservation and efficient allocation in static and dynamic framework. Management approaches for specific renewable resources such as water, forestry and fishery; and generic management approaches for non-renewable resources such as oil, gas, coal and minerals. Problems of externality, resource scarcity, and overexploitation.  
Prerequisite(s): Economics 1010

ECONOMICS 3220  
Environmental Economics  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
The economic analysis of environmental issues; design and implementation of government policies; cost-benefit analysis; survey of environmental policies and regulations in Canada; measurement of environmental values; current local and global environmental problems; topics of special interest will vary from semester to semester.  
Prerequisite(s): Economics 1010

ECONOMICS 3300  
Agricultural Policy I  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Use of economic principles to analyze rural incomes and agricultural policies. Topics include supply-managed marketing boards in dairy and poultry industries; bio-fuels and their effect on food prices; water management policies for improved water use efficiency; international trade and multilateral agreements; benefits and costs of using genetically-modified seeds; changes in land tenure and use; environmental/ economic trade-off of agricultural practices; and other current agricultural issues.  
Prerequisite(s): Economics 1010
ECONOMICS 3350  
Economics of Agricultural Markets II  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Microeconomic theory and analysis of markets for agricultural and food products. Alternative market structures, market regulation, the role of information in markets, the role of uncertainty in markets, and organization structures. Introduction to the institutional structure and economic functions of futures and options markets. Price formation in commodity futures and options markets. The theory of intertemporal price formation for storable commodities along with the theory and practice of hedging.  
Prerequisite(s): Economics 1010 AND Economics 2350

ECONOMICS 3360  
Labour Economics  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Utilization of economic principles to study the determination of wages and employment in both competitive and unionized labour markets with an emphasis on current labour issues. Topics include measurement of unemployment; effects of minimum wages and employment insurance on employment; different models of wage determination and collective bargaining; gender wage differentials and other forms of discrimination; and effects of labour migration within and outside of Canada.  
Prerequisite(s): Economics 1010

ECONOMICS 3370  
Economic Analysis of Canadian Public Issues  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The application of simple economic analysis to current Canadian public policy issues. Course content will vary from semester to semester, but topics will be weighted toward labour market and social issues such as labour market discrimination, poverty and income distribution, crime, etc.  
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

ECONOMICS 3380  
Economic Development  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Theoretical aspects and empirical evidence related to economic development throughout the developing world. Modern theories of economic growth and development. Economic analysis of current issues and problems in development including poverty, inequitable income distribution, stagnation in agriculture, population growth, savings and capital accumulation, urbanization and rural-urban migration.  
Prerequisite(s): Economics 1010

ECONOMICS 3390  
Econometrics I  
Credit hours: 3.0  
Contact hours per week: 3-1-0  
Multiple regression analysis; problems in regression analysis including multicollinearity, autocorrelation, heteroscedasticity, specification error and systems of equations.  
Prerequisite(s): Economics 1012 AND One of Economics 2900 or Statistics 2780

ECONOMICS 3400  
Money and Banking  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The unique roles of the banking and financial sectors in the Canadian economy with an emphasis on current issues and innovations. Topics include the history and uses of money; the roles and functions of financial intermediaries and financial instruments; the determination of interest rates; inflation rates and exchange rates in Canada’s monetary system; and the roles and policies of the Bank of Canada in maintaining Canadian economic stability within a changing world economy.  
Prerequisite(s): Economics 1012

ECONOMICS 3500  
International Economics  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Why nations trade with each other; trade protection policies and their rationale; the role international institutions play in world trade; and the determination of the exchange rate and its relationship to the current account. Focused on trade models, economic policies, and institutions related to issues such as protectionism, regionalism, liberalization of economic systems, globalization, exchange rate determination, purchasing power parity, balance of payments, currency convertibility and open economy macroeconomics.  
Prerequisite(s): Economics 1010 AND Economics 1012

ECONOMICS 3550  
Advanced Microeconomic Theory  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Analytical economics tools for economics majors and those considering graduate programs are developed. Topics include the structure of firms and incentives of managers; firm behaviour under asymmetric information, risk and uncertainty; contract design; auction theory; and other current topics.  
Prerequisite(s): Economics 2750 AND Economics 3010

ECONOMICS 3600  
Economics of Public Spending  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Theories of allocating resources by political means; public goods, externalities, income and wealth distribution and the role of government spending; the effects of taxation and government spending on resource allocation; tax incidence, cost-benefit analysis and fiscal federalism are covered.  
Prerequisite(s): Economics 1010
ECONOMICS 4012
Advanced Macroeconomic Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Modern macroeconomic theory for economics majors and those considering graduate programs, utilizing microeconomic foundations with applications to current macroeconomic issues. Examination of the determinants of long-run growth and short-term cyclical fluctuations using various current models, including the real business cycle approach, the New Keynesian approach, and models that generate multiple equilibria. Comparison of model predictions to relevant Canadian data. The roles of fiscal and monetary policy.
Prerequisite(s): Economics 2750 AND Economics 3012

ECONOMICS 4080/ MANAGEMENT 4780
Principles of Industrial Organization II
Credit hours: 3.0
Contact hours per week: 3-0-0
Develops further analytical tools beyond Economics 3080/Management 3780 to determine optimal strategies by firms facing competition. Topics include strategies to deter entry of new firms, price-fixing and collusive behaviour, effects of horizontal and vertical mergers on profit and consumer welfare, use of advertising and brand names, research and development games, and network externalities. Game-theory principles are applied to analyze current practices and the development of antitrust policy.
Prerequisite(s): Economics 3080/Management 3780 AND One of Economics 3010 or Economics 3030

ECONOMICS 4150
Mathematical Economics
Credit hours: 3.0
Contact hours per week: 3-0-0
The application of mathematical tools to economic analysis; the use of calculus and matrix algebra as applied to unconstrained and constrained optimization problems; the derivation and mathematical properties of economic functions; comparative static analysis; linear economic systems; and other topics.
Prerequisite(s): Economics 1012 AND Economics 2750 AND Economics 3010 AND One of Mathematics 1510 or Mathematics 1560

ECONOMICS 4300
Agricultural Policy II
Credit hours: 3.0
Contact hours per week: 3-0-0
Income problems in agriculture; federal and provincial goals for Canadian agriculture; welfare implications of policies to increase demand or decrease supply of agricultural commodities; risk and uncertainty in agricultural production; analysis of policies to decrease risk and uncertainty in agriculture; economics of agricultural research; price and income policies in Canadian agriculture.
Prerequisite(s): One of Economics 3010 or Economics 3300
Recommended Background: Economics 2900

ECONOMICS 4400
Monetary Economics
Credit hours: 3.0
Contact hours per week: 3-0-0
Monetary policy in Canada and its effects on the economy. Topics include the development of the overlapping generations' model, rational expectations models, inflation targeting by the Bank of Canada, hyperinflations, dollarization, and common currency areas.
Prerequisite(s): Economics 3012 AND Economics 3400

ECONOMICS 4500
International Trade Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
A theoretical approach to international trade; topics include the basic trade model, the Ricardian and Heckscher-Ohlin theories of international trade, intra-industry trade, the impact of multinational corporations, tariff and nontariff barriers to trade and international factor movements; Canadian trade policy.
Prerequisite(s): Economics 3010

ECONOMICS 4550
International Finance
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories of balance of payment adjustments, foreign exchange rate market under alternative exchange rate regimes, monetary and fiscal policies under fixed and floating exchange rate systems, monetary integration, the international capital markets, international monetary system, international policy coordination, and the theoretical and empirical explanations of currency crises.
Prerequisite(s): Economics 3012

ECONOMICS 4960
Econometrics II
Credit hours: 3.0
Contact hours per week: 3-0-0
An extension of Economics 3950 (Econometrics I). Topics include dummy variables, qualitative and limited dependent variables, and simultaneous equation models. Optional topics include simple expectations models, errors in variables, specification tests and diagnostics checks, distributed lag models, and seemingly unrelated regression models.
Prerequisite(s): Economics 3950

ECONOMICS 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct field work, text- or library-based research, submit a report in the form of an Undergraduate Thesis, which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Economics 3950 AND Application to the Department of Economics
Corequisite(s): Economics 4010 AND Economics 4012 AND Economics 4150
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.
ECONOMICS 5010
Microeconomic Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to graduate-level microeconomic theory, including topics such as utility maximization and individual choice, decision-making under uncertainty, producer theory (technology, costs and profit maximization), alternative market structures (competition, monopoly and oligopoly), general equilibrium, game theory and the economics of information. Prerequisite(s): Admission to the M.A. program
Recommended Background: One course (3.0 credit hours) in Microeconomics at the senior undergraduate level AND
One course (3.0 credit hours) in Mathematics for Economics

ECONOMICS 5012
Macroeconomic Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to graduate-level macroeconomic theory, including topics such as economic growth, consumption, investment, real and nominal frictions in the goods, labour, and credit markets, models of short-run economic fluctuations, and monetary and fiscal policy design. Mathematical treatments of current macroeconomics models that are popular in the literature, including classical and new-Keynesian rational expectations models, real business cycle models, and models that generate multiple equilibria, as well as empirical evidence. Prerequisite(s): Admission to the M.A. program
Recommended Background: One course (3.0 credit hours) in Macroeconomics at the senior undergraduate level AND
One course (3.0 credit hours) in Mathematics for Economics

ECONOMICS 5960
Econometric Theory and Applications
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the specification, estimation and testing of economic models. Topics include the classical linear regression model, t tests, structure tests, specification error, the consequences of the violation of the classical assumptions, detection and correction of autocorrelation, and heteroscedasticity. Additional topics such as asymptotic theory, maximum likelihood estimation, instrumental variables, simultaneous equation models, and selected topics such as models for limited dependent variables, models for panel data, ARCH models, units roots, and error correction models may be added at the discretion of the instructor. Prerequisite(s): Admission to the M.A. or M.Sc. (Management) program

EDUCATION 2500
Practicum I - Orientation to Teaching
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-60
An introductory Education course with a field experience component to assist students in making a decision concerning admission into the Faculty of Education and to assist the Faculty in determining the appropriateness of the student’s admission. Field experience component consists of two three-hour blocks of time in the morning for student assignment to school classrooms.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND
A GPA of 2.50, calculated on all University of Lethbridge and transferable courses
Grading: Pass/Fail
Note: Education 2500 must be completed for admission to the Faculty of Education.
Offered: Fall, spring, Summer Session I.

EDUCATION 3500
Professional Practicum II
Credit hours: 2.0
Other hours: 24-0-0
The practice of teaching, with a focus on student-centred learning and classroom management. The course includes seminars, field experiences, and a practicum, and is designed to provide students with an opportunity to apply the principles of educational psychology and educational management in the classroom setting. Prerequisite(s): Admission to the Faculty of Education and completion of EDUC 2500.

EDUCATION 3501
Curriculum and Instruction
Credit hours: 2.0
Other hours: 24-0-0
An introduction to the principles and practices of curriculum development, instructional planning, and classroom management. The course focuses on the theoretical and practical aspects of designing and implementing effective instruction in K-12 classrooms.

EDUCATION 3502
Educational Psychology
Credit hours: 2.0
Other hours: 24-0-0
Principles of educational psychology applied to classroom applications; includes child development, principles of learning, classroom management and motivation.

EDUCATION 3503
Language in Education
Credit hours: 2.0
Other hours: 24-0-0
Understanding the role of language and the language arts in education generally and in instruction across the curriculum (K-12) specifically.
EDUCATION 3504
Evaluation of Learning
Credit hours: 2.0
Other hours: 24-0-0
Introduction to a variety of approaches to evaluating student learning.

EDUCATION 3505
Teaching Seminar
Credit hours: 2.0
Other hours: 24-0-0
Understanding the personal and professional nature of teaching; learner and classroom contexts; teaching strategies and teacher development.
Grading: Pass/Fail

EDUCATION 3508
Communications Technology and Education
Credit hours: 2.0
Other hours: 24-0-0
An introduction to knowledge, skills, attitudes, and critical perspectives, for effectively integrating communications technology into teaching and learning.

EDUCATION 3599
Professional Semester I Placeholder
Credit hours: 15.0

PROFESSIONAL SEMESTER II (PS II) (Spring Only)
The following courses are restricted to students registered in PS II.
Prerequisite(s): Professional Semester I

EDUCATION 3600
Professional Semester II Practicum
Credit hours: 4.5
Other hours: 0.0-150
Student teachers are assigned to schools for approximately 150 hours of teaching experience in a subject-related practicum.
Grading: Pass/Fail

EDUCATION 3601
Principles of Curriculum and Instruction for Majors
Credit hours: 3.0
Other hours: 39-0-0
The relationship of content and teaching strategies in specific subject majors. For Modern Languages majors, the language of instruction is French.

EDUCATION 3602
The Educational Psychology of Exceptional Learners
Credit hours: 3.0
Other hours: 39-0-0
An introduction to the characteristics and potentialities of children with exceptional learning needs, including principles and strategies used to meet the needs of students with learning and/or behavioral needs within mixed-ability classrooms.

EDUCATION 3603
Social Context of Schooling
Credit hours: 3.0
Other hours: 39-0-0
Social and cultural influences and issues affecting learning, teaching and the process of schooling.

EDUCATION 3604
Evaluation of Student Learning
Credit hours: 1.5
Other hours: 20-0-0
Evaluation of student learning, emphasizing data gathering, summarizing and interpreting data and use of the results to improve curriculum, teaching and guidance.

EDUCATION 3699
Professional Semester II Placeholder
Credit hours: 15.0

PROFESSIONAL SEMESTER III (PS III)

EDUCATION 4571
Elementary Education Internship (Spring)
Credit hours: 15.0
Contact hours per week: 0-0-35
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in an elementary (K-6) school placement; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development.
Students are assigned to schools full time.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail
Note: Students in the B.F.A. - Art or Dramatic Arts/ B.Ed. or B.Mus./B.Ed. Combined Degrees who choose to do their internship in an Elementary placement must register in Education 4574 or Education 4575.

EDUCATION 4572
Secondary Education Internship (Fall)
Credit hours: 15.0
Contact hours per week: 0-0-35
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a secondary (Gr. 7-12) school placement; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development.
Students are assigned to schools full time.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail
Note: Students in the B.F.A. - Art or Dramatic Arts/ B.Ed. or B.Mus./B.Ed. Combined Degrees who choose to do their internship in a Secondary placement must register in Education 4574 or Education 4575.
PROFESSIONAL SEMESTER III (PS III)

EDUCATION 4573
Special Focus Internship (Series)
Credit hours: 15.0
Contact hours per week: 0-0-35
Students may complete a special focus internship in one of the areas listed below.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail

Special Focus

Career and Technology Studies (CTS) - Trades
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school placement with emphasis on the teaching of the CTS strands (Trades); and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration, and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): Education 3700 - CTS Trades, in a strand related to the practicum placement

Career Education
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school placement with emphasis on the teaching of Career Education; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): An Education course in career education

Early Childhood Education
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school, grades K-3; and engagement in professional study under the direction of a faculty mentor, including reflective practice; exploration and discussion of selected topics, and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): Education 4735 - Literacy and Learning in Early Childhood Education AND Education 4738 - Curriculum and Instruction in Early Childhood Education

International Education
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in an international setting; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): One of Education 4310 - Comparative Studies of Education in Developed and Third World Nations, Education 4311 - World Issues and Problems in Education, Education 4783 - Culturally Different Students, or Education 4920 - Study Tour

Native Education (Fall)
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a Native setting; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): One methods course in Native Education
Note: All students who are declared Native Education majors must complete their Professional Semester III in this special focus.

Niitsitapi
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school and engagement in professional study under the direction of a faculty mentor including reflective practice, exploration and discussion of selected topics, and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): Admission to the Faculty of Education in the Niitsitapi program

Specialization

Special/Inclusive Education (Spring)
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school placement with emphasis on special/inclusive education; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): Completion of the four course options for students electing to complete a specialization in Special/Inclusive Education
Note: All students who elect to complete a specialization in Special/Inclusive Education, must enroll in this special focus.

Technology in Education
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in a school placement with emphasis on the use of technology in instruction; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Additional Prerequisite(s): Completion of the four course options for students electing to complete a specialization in Technology in Education
Note: All students who elect to complete a specialization in Technology in Education, must enroll in this special focus.

Note: All students who are declared Native Education majors must complete their Professional Semester III in this special focus.
PROFESSIONAL SEMESTER III (PS III)

EDUCATION 4574
Fine Arts Internship in Art or Dramatic Arts (Fall)
Credit hours: 15.0
Contact hours per week: 0-0-35
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in an elementary or secondary school placement with primary responsibility for teaching art or dramatic arts; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail
Note: All B.F.A. - Art or Dramatic Arts/B.Ed. candidates are required to enrol in this course.

EDUCATION 4575
Fine Arts Internship in Music (Fall)
Credit hours: 15.0
Contact hours per week: 0-0-35
An integrated five-course equivalent semester consisting of two components: a half-time teaching internship in an elementary or secondary school placement with primary responsibility for teaching music; and engagement in professional study under the direction of a faculty mentor, including reflective practice, exploration and discussion of selected topics and professional portfolio development. Students are assigned to schools full time.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail
Note: All B.Mus./B.Ed. candidates are required to enrol in this course.

EDUCATION 4599
Professional Semester III Placeholder
Credit hours: 15.0

EDUCATION (ELECTIVES) (EDUC)
Faculty of Education

EDUCATION 3700
Applied Principles of Curriculum and Instruction for Non-Majors (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Relationship of objectives, content, teaching strategies and evaluation in a subject area.
Prerequisite(s): Professional Semester I
Note: Students with majors other than Native Education may not complete this course in their major area of study. Students may complete up to two offerings in Career and Technology Studies (CTS), which will be reflected on their transcript as: Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series), CTS I
Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series), CTS II

EDUCATION 3801
Issues in Curriculum and Instruction (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
An in-depth study of curriculum and instructional strategies in a specific area of a school-based subject. With permission of the Assistant Dean, Student Program Services, some of these courses may replace the required Curriculum and Instruction course for non-majors.
Prerequisite(s): Professional Semester I
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

EDUCATION 3871
Elementary Music Classroom
Credit hours: 3.0
Contact hours per week: 2-2-0
Materials, methods and strategies used in teaching music in elementary schools.
Prerequisite(s): Professional Semester II in Music Education

EDUCATION 3872
Secondary Music Classroom
Credit hours: 3.0
Contact hours per week: 2-2-0
Materials, methods and strategies used in teaching music in secondary schools.
Prerequisite(s): Professional Semester II in Music Education

EDUCATION 3875
Brass and Percussion Methods
Credit hours: 3.0
Contact hours per week: 2-2-0
Brass and percussion performance teaching skills, brass and percussion curriculum, and appropriate instructional strategies.
Prerequisite(s): M usic 2160 AND Second-year standing (a minimum of 30.0 credit hours)
Note: Education 3875 will not be counted toward the B.Ed. degree (except for Music Education majors) if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 3876
Woodwind and String Methods
Credit hours: 3.0
Contact hours per week: 2-2-0
Woodwind and string performance teaching skills, woodwind and string curriculum, instrument maintenance and appropriate instructional strategies.
Prerequisite(s): M usic 2160 AND Second-year standing (a minimum of 30.0 credit hours)
Note: Education 3876 will not be counted toward the B.Ed. degree (except for Music Education majors) if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 3877
Vocal and Classroom Instruments Methods
Credit hours: 3.0
Contact hours per week: 2-2-0
Vocal and classroom instruments performance teaching skills, vocal and classroom curriculum, instrument maintenance and appropriate instructional strategies.
Prerequisite(s): M usic 2160 AND Second-year standing (a minimum of 30.0 credit hours)
Note: Education 3877 will not be counted toward the B.Ed. degree (except for Music Education majors) if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 4000
Advanced Level Curriculum and Instruction (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
An expansion of the content and teaching strategies introduced in Education 3601. Emphasis on the theoretical and research bases of specific subject areas.
Prerequisite(s): Professional Semester II (in the same subject area)
EDUCATION 4210
Curriculum Development Seminar (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination, design and development of curriculum in a specific area.
Prerequisite(s): Professional Semester II
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

EDUCATION 4220
Curriculum and Administration Seminar (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Development and administration of curriculum at the kindergarten/elementary, middle/junior high, senior high school and adult education levels.
Prerequisite(s): Professional Semester I

EDUCATION 4259
Issues in Educational Media (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Current issues in educational media dependent on student interests and needs and instructor availability. Examples include: Presentation Media - Application of instructional design principles to the preparation of mediated communications. Guidelines for planning and treatment of messages in any media format. Planning and Production of Learning Centres - Examination of learning centres as a means for individualizing instruction. Production of a learning centre which illustrates the qualities of effective centre design.
Prerequisite(s): Professional Semester I

EDUCATION 4260
English Language Arts in the Elementary School
Credit hours: 3.0
Contact hours per week: 3-0-0
Foundational theory and classroom practices of language arts instruction in the elementary school.
Prerequisite(s): Professional Semester I

EDUCATION 4262
English Language Arts in the Secondary School
Credit hours: 3.0
Contact hours per week: 3-0-0
Foundational theory and classroom practices of language arts instruction in the secondary school.
Prerequisite(s): Professional Semester I

EDUCATION 4263
Language Arts Instruction for Students with Learning Difficulties
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-20
Assessment and instruction of children who experience difficulty in learning to read and write; participants will design and deliver instruction under supervision in instructional settings.
Prerequisite(s): Professional Semester I
Recommended Background: One 4000-level course (3.0 credit hours) in Language Arts

EDUCATION 4269
Issues in Language Arts (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Issues in Language Arts Education, selected according to student interest and available instructor expertise. Examples include: Holistic Approaches to Teaching Language Arts; Language Arts and Special Needs Students; Language Arts and Non-Academic Students; Popular Culture as Literature.
Prerequisite(s): Professional Semester I

EDUCATION 4270
Communication Development: Oral Language
Credit hours: 3.0
Contact hours per week: 3-0-0
The nature and development of oracy and implications for care giving and instructional programs in spoken language.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Education 4270 will not be counted toward the B.Ed. degree if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 4271
Teaching Writing in the Schools
Credit hours: 3.0
Contact hours per week: 3-0-0
Teaching and practice of writing in the schools.
Prerequisite(s): Professional Semester I

EDUCATION 4272
Teaching English as a Second Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Foundations, approaches, methods, techniques, programs and issues pertaining to instructing and evaluating English as a second language.
Prerequisite(s): Professional Semester I

EDUCATION 4300
Comparative Studies of Education in Developed and Third World Nations
Credit hours: 3.0
Contact hours per week: 3-0-0
Societies and educational systems of developed Western, developed Socialist and Third World nations.
Prerequisite(s): Professional Semester I

EDUCATION 4311
World Issues and Problems in Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Major factors affecting educational accessibility, achievement, practices, policies, planning and structures from an international perspective.
Prerequisite(s): Professional Semester I

EDUCATION 4320
Education and Society from a Sociological Perspective
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories in the sociology of education; relationships between schools and other social institutions; economic, political and socialization functions of schooling; influences upon learning, achievement, evaluation, the curriculum and educational practice; issues of mobility stratification and differential treatment in the classroom.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

EDUCATION 4321
Social Issues in Education
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of such factors as the economy, the state, social class, gender, ethnicity, subcultural membership, ideology and the home environment in relation to schooling.
Prerequisite(s): Professional Semester I
EDUCATION 4341
Foundations of Multicultural Education in Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical and sociological analysis of Canada's policy of Multiculturalism and multicultural education; multicultural policies and practices in Canadian schools.
Prerequisite(s): Professional Semester I

EDUCATION 4360
Studies in the History of Western Education
Credit hours: 3.0
Contact hours per week: 3-0-0
The influence of race, religion, social class and gender in shaping dominant educational ideas and practices in the Western tradition from ancient times.
Prerequisite(s): Professional Semester I

EDUCATION 4361
History of Canadian Education
Credit hours: 3.0
Contact hours per week: 3-0-0
History of educational thought and development in Canada.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Education 4361 will not be counted toward the B.Ed. degree if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 4362
Concepts of Childhood in the History of Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Changing perceptions of the nature of childhood within the family, the community and society from antiquity to today; attendant educational theories and practices.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Education 4362 will not be counted toward the B.Ed. degree if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 4380
Developing a Philosophy of Education
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination of some basic beliefs about what are the sensible, right and good things to do in promoting human learning, using the tools of philosophical reflection.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Education 4380 will not be counted toward the B.Ed. degree if it is taken prior to admission to the Bachelor of Education program.

EDUCATION 4381
Ethics of Teaching
Credit hours: 3.0
Contact hours per week: 3-0-0
Ethical problems arising in the context of teaching; a case study approach.
Prerequisite(s): Professional Semester I

EDUCATION 4391
Seminar in Educational Foundations (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Interdisciplinary study of specific topics relevant to educational foundations, dependent on student interest, need and available faculty.
Prerequisite(s): Professional Semester I

EDUCATION 4510
Advanced Practicum (Series)
Credit hours: 3.0
Other hours: 0-0-100
Optional, intensive experience in the student's major or minor area of study. Approximately 100 hours of school experience arranged individually for each student.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail

EDUCATION 4520
Specialized Practicum (Series)
Credit hours: 3.0
Other hours: 0-0-100
Optional, intensive experience in a specialized area of interest. Approximately 100 hours of school experience arranged individually for each student.
Prerequisite(s): Professional Semester II
Grading: Pass/Fail

EDUCATION 4702
Individualizing Instruction in the Regular Classroom
Credit hours: 3.0
Contact hours per week: 3-0-0
Assessment and program planning for students with mild learning handicaps and for gifted students within the regular classroom. Principles, conditions and instructional practices relating to the educational progress of such students.
Prerequisite(s): Professional Semester I

EDUCATION 4703
Assessment for Individualized Educational Programming
Credit hours: 3.0
Contact hours per week: 3-0-3
Evaluation of the educational abilities, deficits and achievement of atypical students in regular classrooms and segregated settings. Screening, formal and informal measures of achievement, skills, aptitude, performance, attitudes and behaviour. Includes a laboratory component. Relation of assessment to individual planning and instruction.
Prerequisite(s): Professional Semester I

EDUCATION 4709
Issues in Special Education (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Current issues in Special Education.
Prerequisite(s): Professional Semester I

EDUCATION 4726
Native American Culture and Psychological Perspectives in Human Development
Credit hours: 3.0
Contact hours per week: 3-0-0
Cultural and psychological perspectives in Native Education. Relationship to contemporary psychological thought and therapies.
Prerequisite(s): Professional Semester I

EDUCATION 4727
Social Issues in Native Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Social issues affecting the education of Native students, including the home and educational environment.
Prerequisite(s): Professional Semester I
Education 4729 - Education 4769

EDUCATION 4729
Issues in Native Education (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Current issues in Native Education.  
Prerequisite(s): Professional Semester I

EDUCATION 4735
Literacy and Learning in Early Childhood Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Intensive theoretical and practical orientation to teaching and assessing literacy abilities in reading, writing, listening, speaking, viewing and representing with young children. Discusses changing views of reading, emergent literacy, language acquisition, schema and constructivist theory, phonemic awareness, comprehension and literature for literacy instruction.  
Prerequisite(s): Professional Semester I
Equivalent: Education 4739 (Literacy and Learning in Early Childhood Education) (prior to 2011/2012)

EDUCATION 4736
Family and Community Resources in Early Childhood Education
Credit hours: 3.0
Contact hours per week: 3-0-0
The environment in which children develop during their critical years. Role of the family and community resources in relationship to the school.  
Prerequisite(s): Professional Semester I

EDUCATION 4737
Psychological Foundations of Early Childhood Education for Teachers
Credit hours: 3.0
Contact hours per week: 3-0-0
A teacher-oriented study of child development from birth to puberty, significance of child development in the preschool and early-school years. Importance of directed teaching intervention strategies in language, motor skills and social behaviour for preschool and early-school students.  
Prerequisite(s): Professional Semester I

EDUCATION 4738
Curriculum and Instruction in Early Childhood Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Concepts of early childhood development relating to the curriculum content and methods of instructing young children.  
Prerequisite(s): Professional Semester I

EDUCATION 4739
Issues in Early Childhood Education (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Current issues in Early Childhood Education.  
Prerequisite(s): Professional Semester I

EDUCATION 4760
Communication Technologies in the Curriculum
Credit hours: 3.0
Contact hours per week: 3-0-0
Strategies for effective use of communication technologies in the classroom. Identification and development of educational resources and activities for integrating communication technologies in the curriculum.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5763

EDUCATION 4762
Problem Solving with Communication Technologies
Credit hours: 3.0
Contact hours per week: 3-0-0
Teaching of problem-solving techniques and strategies with emphasis on communication technology-based approaches.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5762

EDUCATION 4764
The Internet and Education
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the services available on the Internet that are of particular interest to teachers and others interested in issues affecting education today. Topics will include email, newsgroups, mailing lists, FTP, and most importantly, the World Wide Web, and students will be engaged in critical discussion of the implications of such developments.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5764

EDUCATION 4765
New Media and Learning
Credit hours: 3.0
Contact hours per week: 3-0-0
A study of the educational value of New Media. Students will develop knowledge and skills to effectively integrate and discuss the role of New Media in learning. Topics include New Media applications, the value of New Media for learning, the development of curriculum-based projects, and principles of design and layout.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5765

EDUCATION 4766
Web-Based Learning
Credit hours: 3.0
Contact hours per week: 3-0-0
The design and development of websites for the enhancement of personal learning. Students will create a number of websites that correspond to various topics of personal interest, and which incorporate a variety of psychological learning principles such as semantic mapping, notebook creation and journal writing.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5766

EDUCATION 4767
Web-Based Teaching
Credit hours: 3.0
Contact hours per week: 3-0-0
The design and development of websites for instructional purposes. Students critically review web-based instructional sites, and create a website that corresponds to an instructional unit and which incorporates a variety of instructional design principles.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5767

EDUCATION 4769
Educational Issues in Communication Technologies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Educational issues in communication technologies dependent on student interest, needs, and availability of faculty resources.  
Prerequisite(s): Professional Semester I
Substantially Similar: Education 5769; Education 5760 (prior to 2009/2010)
**EDUCATION 4782**
**Issues in School Librarianship (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Knowledge and skills required by teacher-librarians and the role of the school library in resource-based learning. Specific issues will be dependent on student interest, needs and availability of faculty.
Prerequisite(s): Professional Semester I

**EDUCATION 4783**
**Culturally Different Students**
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploring issues dealing with culturally different students in the education system of the majority culture.
Prerequisite(s): Professional Semester I

**EDUCATION 4850**
**Special Topics**
Credit hours: 3.0
Contact hours per week: 3-0-0
Content reflects the unique interests of students and instructors.
Prerequisite(s): Professional Semester I
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

**EDUCATION 4920**
**Study Tour**
Credit hours: 3.0
A group tour in Canada or in a foreign country which enables students to broaden their educational studies by examining and/or experiencing other educational and/or cultural institutions and settings.
Prerequisite(s): Professional Semester I
Grading: Pass/Fail

**EDUCATION 4950**
**Professional Development Topics**
Credit hours: 1.5
Other hours: 20-0-0
This Professional Development course is a series of one-half semester credit offerings (20 hours of instruction) designed to address current topics in Education and meet the specific needs of educators.
Prerequisite(s): One of Professional Semester II or admissibility to the Diploma in Education program
Grading: Pass/Fail or letter grading, depending on the section offering—refer to the current Timetable for section offerings
Note: Certification as a teacher is the normal prerequisite for admission to these courses. A maximum of two half-credit Professional Development courses (3.0 credit hours) may be credited toward the B.Ed. degree and a maximum of four such courses (6.0 credit hours) toward the M.Ed. degree.
Registration fees are assessed on a full-cost recovery basis. Registration is through the Office of the Associate Dean, Faculty of Education.

**EDUCATION 4951**
**Development Topics for the Diploma in Education (Series)**
Credit hours: 1.5
Other hours: 20-0-0
This Professional Development course is a series of one-half semester credit offerings (20 hours of instruction) designed to meet the specific needs of students in the Diploma in Education program.
Prerequisite(s): One of Professional Semester II or admissibility to the Diploma in Education program
Grading: Pass/Fail or letter grading, depending on the section offering—refer to the current Timetable for section offerings
Note: Certification as a teacher is the normal prerequisite for admission to this course. A maximum of two half-credit Professional Development courses (3.0 credit hours) may be credited toward the B.Ed. degree and a maximum of four such courses (6.0 credit hours) toward the M.Ed. degree.
Registration is through the Bridge or the Registrar's Office.

**EDUCATION 4980**
**Applied Studies**
Credit hours: 3.0
Using a suitable employment or volunteer experience as a basis, the student completes a project which relates the experience to the study of education. Students should initially contact the Applied Studies Coordinator for specific information.
Prerequisite(s): Professional Semester I

**EDUCATION 4990**
**Independent Study**
Credit hours: 3.0
The student undertakes to study independently a topic not covered under regular electives or special topics courses. The student works under the supervision of a faculty member to develop a proposal and the details of the study. Students should contact Student Program Services in the Faculty of Education for more information.
Prerequisite(s): Professional Semester I

**EDUCATION GRADUATE COURSES (EDUC)**
Faculty of Education

**EDUCATION 5200**
**Curriculum Studies and Classroom Practice (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the relationship between curriculum studies and practices in a variety of educational settings. Credit can be obtained from only one course within the series.
Prerequisite(s): Admission to the cohort for which the course is being offered

**EDUCATION 5210**
**Graduate Seminar in Curriculum Studies (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to curriculum, dependent on student interests and Faculty resources. Examples might include: Teachers' Life Histories and Curriculum Development; Critical Pedagogy and Curriculum; Evaluation of Curriculum; Language in Education; and Critical Thinking: Issues and Approaches.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: Education 5850 (Critical Thinking) is equivalent only to the "Critical Thinking: Issues and Approaches" offering in the Education 5210 Series;
EDUCATION 5300
The Foundations of Modern Educational Theory and Practice (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
An interdisciplinary analysis of the evolution of modern educational theory and practice as it relates to a variety of educational settings. Credit can be obtained from only one course within the series.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5310
Graduate Seminar in Foundational Studies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to educational foundations, dependent on student interests and Faculty resources. Examples might include: The Historical Context of Educational Thought; Educational Psychology and Instructional Decision-Making; Ideas of the Great Educators.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5400
The Nature of Educational Research (Series)
Credit hours: 3.0
Contact hours per week: 3-0-2
An introduction to the paradigms of educational inquiry, the framing of research questions and research processes and methods as it relates to a variety of educational settings. Credit can be obtained from only one course within the series.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5410
Graduate Seminar in Educational Research (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to research design and methodology, dependent on student interest and Faculty resources. Examples might include: Quantitative Methods in Educational Research; Interpretive Inquiry; Action Research.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6617 (CAAP 617) is equivalent to Education 5410 (Methods of Inquiry);
Any CAAP course with the same title as the offering in the Education 5410 Series

EDUCATION 5500
Understanding Professional Practice and Professional Development (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to a broad variety of methods in which knowledge and understanding of professional practice and professional development can be enhanced and applied through field studies for professionals in education and education-related contexts in community settings. Credit can be obtained from only one course within the series.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5510
Graduate Seminar in the Practice of Teaching (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to teaching practice, dependent on student needs and Faculty resources. Examples might include: Instructional Supervision; Professional Development of Teachers; Leadership in Educational Practice.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: Education 5850 (Reducing Workplace Stress) is equivalent only to the “Professional Health and Well-Being” offering in the Education 5510 Series;
Any offering in Education 5850 with the same title as the offering in the Education 5510 Series

EDUCATION 5550
Practicum in Education
Credit hours: 3.0
Other hours: 10-0-100
This experience allows graduate students to explore independent scholarly activity in the context of teaching in their own or another’s classroom. The student works with a faculty member to develop a proposal and the details of the study. Students should consult the Assistant Dean, Graduate Studies and Research in the Faculty of Education for more information.
Prerequisite(s): Admission to the cohort for which the course is being offered
Grading: Pass/Fail
EDUCATION 5551
Educational Supervision: Effective Mentoring Relationships
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will help teacher mentors and other educators become more knowledgeable and skillful in teacher supervision in general and mentoring in specific. It will explore some of the challenges and issues in beginning teacher induction as well as examine current research about mentoring, classroom observations, analysis of teaching and professional growth.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: Education 5510 (Educational Supervision: Effective Mentoring Relationships) (prior to 2012/2013)
Grading: Pass/Fail

EDUCATION 5560
Internship in Education
Credit hours: 3.0
Other hours: 10-0-100
This experience allows graduate students to examine and/or implement some practical aspect of his or her study in a field placement. The student works with a faculty member to develop a proposal and the details of the study. Students should consult the Assistant Dean, Graduate Studies and Research in the Faculty of Education for more information.
Prerequisite(s): Admission to the cohort for which the course is being offered
Grading: Pass/Fail

EDUCATION 5610
Graduate Seminar in Educational Leadership and Administration (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to educational administration and leadership, dependent on student interests and faculty resources. Examples might include: Supervision, Evaluation and Accountability; Leadership in Educational Organizations; Understanding Educational Change; Educational Governance, Structure and Finance.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5620
Graduate Seminar in Counselling Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in and approaches to counselling psychology for educational and community settings, dependent on student interest and faculty resources. Examples might include: Gender and Culture Issues in Counselling; Counselling in Special Settings; Consultation Techniques.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6625 (CAAP 625) is equivalent to Education 5620 (Systemic Community Change: A Comprehensive Approach to Human Service Delivery) (prior to 2014/2015); CAAP 6633 (CAAP 633) is equivalent to Education 5620 (Human Development); Education 5621 is equivalent to Education 5620 (Ethics and Professional Practice) (prior to 2012/2013); Education 5622 is equivalent to Education 5620 (Gender and Culture) (prior to 2012/2013); Education 5623 is equivalent to Education 5620 (Learning Processes) (prior to 2012/2013); CAAP 6603 (CAAP 603) is equivalent to Education 5620 (Ethics and Professional Practice) (prior to 2012/2013); CAAP 6607 (CAAP 607) is equivalent to Education 5620 (Gender and Culture) (prior to 2012/2013); CAAP 6631 (CAAP 631) is equivalent to Education 5620 (Learning Processes) (prior to 2012/2013); Any CAAP course with the same title as the offering in the Education 5620 Series

EDUCATION 5621
Counselling Psychology: Ethics and Professional Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
This course addresses professional, legal and ethical issues in the practice, science and regulation of Counselling Psychology. Course topics include but are not limited to: ethical decision-making models, codes of conduct, and professional standards; informed consent issues across many domains of practice; counsellor’s values and attitudes; dual relationships; ethical issues with vulnerable populations; and consequences of unethical conduct.
Extensive reference will be made to the Canadian Code of Ethics for Psychologists.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6603 (CAAP 603); Education 5620 (Ethics and Professional Practice) (prior to 2012/2013)

EDUCATION 5622
Counselling Psychology: Gender and Cultural Issues
Credit hours: 3.0
Contact hours per week: 3-0-0
This course examines unique gender and cultural issues faced when working with diverse populations. Multicultural competence is enhanced by studying the historical, sociological, familial and societal influences placed upon each ethnic or minority group. Strengths and weaknesses of current therapeutic models will also be discussed along with the recognition of one’s own ethnicity, prejudices and beliefs that may have an impact on the therapeutic relationship. Multicultural interventions, trends, research and future directions will also be explored while the important topic of ethics is prominent throughout the course.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6607 (CAAP 607); Education 5620 (Gender & Culture) (prior to 2012/2013)
EDUCATION 5623
Counselling Psychology: Learning Processes
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of the major theories of learning as well as current research in the area. The practical implications of learning theory in educational and counselling psychology settings are explored.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6631 (CAAP 631); Education 5620 (Learning Processes) (prior to 2012/2013)

EDUCATION 5630
Educational Leadership and the Change Process
Credit hours: 3.0
Contact hours per week: 3-0-0
An interpretation of the change process, leadership models, administration theory and the role of vision in leadership.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5631
School Culture and the Instructional Program
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the role of a school culture in facilitating teaching and learning as the focal point of schools.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5632
Managing the Organization
Credit hours: 3.0
Contact hours per week: 3-0-0
The nature of leadership practice in an organizational context—the leader as manager. Understanding school system management processes and developing human resources. Assessing the larger political, social, economic, legal and cultural contexts.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5633
Governance, Collaboration and Community Engagement
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of relationships, partnerships, governance and moral decision-making in an ethical culture.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5634
Collaborative Problem Solving
Credit hours: 3.0
Contact hours per week: 1.5-0-0
Other hours: 0-0-40
The resolution of school-system problems in a collaborative environment. Students will develop strategies, establish methods of inquiry, gather and interpret data, draw conclusions and report to stakeholders.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5635
Educational Leadership Internship I
Credit hours: 3.0
Contact hours per week: 1.5-0-0
Other hours: 0-0-120
This course will allow students to synthesize and apply their knowledge, to practice and to develop the skills addressed in the leadership core and concentration courses. The field placement will provide a real leadership setting—planned and guided co-operatively by the Faculty of Education and the school district.
Prerequisite(s): Admission to the cohort for which the course is being offered
Grading: Pass/Fail

EDUCATION 5636
Advanced Seminar in Educational Leadership
Credit hours: 3.0
Contact hours per week: 3-0-0
Opportunity for learners to present, critique and synthesize the practicum experience, and to demonstrate the skills developed in core and specialization courses.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5637
Educational Leadership Internship II
Credit hours: 3.0
Contact hours per week: 1.5-0-0
Other hours: 0-0-120
An in-depth professional development and supervised practice for graduate students in the M.Ed. (Educational Leadership) program. The internship has three components: (1) observing leadership in action in a school and/or school district setting, (2) practicing school leadership strategies, and (3) researching a school problem/issue.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5635
Grading: Pass/Fail

EDUCATION 5701
Gender and Educational Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
Gender issues as they relate to the philosophy, structure and conduct of educational systems.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5703
Pedagogy and Global Culture
Credit hours: 3.0
Contact hours per week: 3-0-0
Themes and issues surrounding the concept of global culture and implications for the meaning and conduct of pedagogy. Topics include: Postmodernism; the Cultural Implications of the New Biology; Native Sensibility and the Face of the Other.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5704
Counselling Psychology: Skills
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-39-0
Understanding and acquisition of communication skills in interpersonal and counselling contexts. Emphasis is placed on the identification and development of specific communication skills that are essential for working in helping contexts in particular, and for the development of working alliances in general.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6605 (CAAP 605)
EDUCATION 5705
Counselling Psychology: Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-39-0
Theoretical foundations in the various schools of psychotherapy. Psychoanalytic, humanistic, behavioural, cognitive, constructivist and systems therapies are covered.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 6601 (CAAP 601)

EDUCATION 5706
Counselling Psychology: Interventions
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-39-0
Theoretical and practical framework for the planning and implementation of client change interventions in counselling. Students work in a variety of simulated contexts to gain practice using a range of frequently used counselling interventions that have demonstrated clinical efficacy.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5704 AND Education 5705
Equivalent: CAAP 6615 (CAAP 615)

EDUCATION 5707
Counselling Psychology: Assessment
Credit hours: 3.0
Contact hours per week: 3-0-0
Through theoretical analysis and applied skill development in laboratory settings, students will develop proficiency in the administration of assessment procedures and in the interpretation of assessment results. Standardized and non-standardized assessment techniques are covered.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5704 AND Education 5705
Equivalent: CAAP 6613 (CAAP 613)

EDUCATION 5708
Counselling Psychology: Career Counselling
Credit hours: 3.0
Contact hours per week: 3-0-0
Major career theories, and core career counselling processes of meaningful client engagement, exploration of potential, decision strategies, preparation and implementation strategies. Occupational information sources, computer-based career programs and services, and career guidance programs are evaluated from the context of theory and core career counselling processes.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5704
Equivalent: CAAP 6619 (CAAP 619)

EDUCATION 5709
Counselling Psychology: Practicum I
Credit hours: 3.0
Contact hours per week: 2-0-0
Other hours: 0-0-150
Professional development and supervised practice for graduate students in counselling psychology. The class seminars provide opportunity for group supervision of student work with clients, and for in-depth exploration of issues encountered in the practicum settings. The practicum settings provide opportunity for supervised practice in counselling techniques with clients.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5704
Equivalent: CAAP 6621 (CAAP 621) (prior to 2014/2015)

EDUCATION 5711
Counselling Psychology: Practicum II
Credit hours: 3.0
Contact hours per week: 2-0-0
Other hours: 0-0-150
Advanced professional development and supervised practice for graduate students in counselling psychology. Students will develop and/or practice their counselling skills within a specialized setting or with a specialized counselling focus.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): Education 5709
Equivalent: CAAP 6619 (CAAP 619)

EDUCATION 5712
Counselling Psychology: Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
This core course will introduce students to the basic principles of research methods and design as applied to counselling psychology research. The course will address research both for critical consumption and for practice.
Prerequisite(s): Admission to the cohort for which the course is being offered or consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)
Equivalent: CAAP 6617 (CAAP 617); EDUC 5400 (The Nature of Educational Research) (prior to 2014/2015); EDUC 5400 (Research Methods in Counselling Psychology)

EDUCATION 5762
Problem Solving with Communication Technologies
Credit hours: 3.0
Contact hours per week: 3-0-0
Teaching of problem-solving techniques and strategies with emphasis on communication technology-based approaches.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4762
EDUCATION 5763
Communication Technologies in the Curriculum
Credit hours: 3.0
Contact hours per week: 3-0-0
Strategies for effective use of communication technologies in the classroom, identification and development of educational resources and activities for integrating communication technologies in the curriculum.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4760

EDUCATION 5764
The Internet and Education
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the services available on the Internet that are of particular interest to teachers and others interested in issues affecting education today. Topics will include email, newsgroups, mailing lists, FTP, and most importantly, the World Wide Web, and students will be engaged in critical discussion of the implications of such developments.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4764

EDUCATION 5765
New Media and Learning
Credit hours: 3.0
Contact hours per week: 3-0-0
A study of the educational value of New Media. Students will develop knowledge and skills to effectively integrate and discuss the role of New Media in learning. Topics include New Media applications, the value of New Media for learning, the development of curriculum-based projects, and principles of design and layout.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4765

EDUCATION 5766
Web-Based Learning
Credit hours: 3.0
Contact hours per week: 3-0-0
The design and development of websites for the enhancement of personal learning. Students will create a number of websites that correspond to various topics of personal interest, and which incorporate a variety of psychological learning principles such as semantic mapping, notebook creation and journal writing.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4766

EDUCATION 5767
Web-Based Teaching
Credit hours: 3.0
Contact hours per week: 3-0-0
The design and development of websites for instructional purposes. Students critically review web-based instructional sites, and create a website that corresponds to an instructional unit and which incorporates a variety of instructional design principles.
Prerequisite(s): Admission to the cohort for which the course is being offered
Substantially Similar: Education 4767

EDUCATION 5768
Educational Issues in Communication Technologies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Educational issues in communication technologies dependent on student interest, needs and availability of Faculty resources.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: Education 5760 (prior to 2009/2010)
Substantially Similar: Education 4769

EDUCATION 5769
Special Topics
Credit hours: 3.0
Contact hours per week: 3-0-0
Additional graduate Education electives are offered as determined by student program needs and available University resources.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5770
Professional Development
Credit hours: 1.5
Other hours: 20-0-0
This series offers one-half semester credit courses (20 hours of instruction) designed to meet the specific needs of graduate students.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 5779
Independent Study
Credit hours: 3.0
The graduate student undertakes to study independently a topic not covered under regular electives or special Topics courses. The student works under the supervision of a faculty member to develop a proposal and the details of the study. Students should consult the Assistant Dean, Graduate Studies and Research in the Faculty of Education for more information.
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)

EDUCATION 5999
Master of Education Placeholder
This is a placeholder registration for students admitted to the M.Ed. program, who are not registered in a course in a particular semester.
Prerequisite(s): Admission to the cohort for which the course is being offered

EDUCATION 6000-6001
Project
Credit hours: 3.0 each
Students engage in systematic inquiry of a topic relevant to their educational practice. This inquiry is grounded in theory and research but typically focuses on practice. Methods of inquiry may be both qualitative or quantitative. The final project must be submitted to the student’s Supervisory Committee for evaluation. The completed project will be deposited in the University of Lethbridge Library, and an abstract available online.
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)
Grading: Pass/Fail
EDUCATION 6006  
M.Ed. Capstone  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The capstone is conducted in a supportive seminar environment that draws on the participant's experience in the graduate program in order to synthesize the student's learning in the creation of a significant contribution to scholarship and/or professional practice.  
Prerequisite(s): Admission to the cohort for which the course is being offered  
Grading: Pass/Fail  

EDUCATION 6011-6014  
Thesis  
Credit hours: 3.0 each  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Grading: Pass/Fail  

Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6020  
Counselling Psychology: Capstone  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The capstone is conducted in a supportive seminar environment that draws on the participant's experience in the graduate program in order to synthesize the student's learning in the creation of a significant contribution to scholarship and/or professional practice.  
Prerequisite(s): Admission to the cohort for which the course is being offered or consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6006 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6021  
Counselling Psychology: Project  
Credit hours: 3.0  
Students engage in systematic inquiry of a topic relevant to their educational practice. This inquiry is grounded in theory and research but typically focuses on practice. Methods of inquiry may be both qualitative or quantitative. The final project must be submitted to the student's Supervisory Committee for evaluation.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6000 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6022  
Counselling Psychology: Project  
Credit hours: 3.0  
Students engage in systematic inquiry of a topic relevant to their educational practice. This inquiry is grounded in theory and research but typically focuses on practice. Methods of inquiry may be both qualitative or quantitative. The final project must be submitted to the student's Supervisory Committee for evaluation.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6001 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6023  
Counselling Psychology: Thesis  
Credit hours: 3.0  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6011 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6024  
Counselling Psychology: Thesis  
Credit hours: 3.0  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6012 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6025  
Counselling Psychology: Thesis  
Credit hours: 3.0  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6013 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 6026  
Counselling Psychology: Thesis  
Credit hours: 3.0  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Education 6014 (prior to 2014/2015)  
Grading: Pass/Fail  
Note: Available only for students registered in the Counselling Psychology major in the Master of Education program

EDUCATION 7210  
Contemporary Issues in Formal and Distributive Leadership  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An intensive critical study of major issues within theories, conceptual frameworks, concepts, research, institutional policies, programs and professional practices in the student's dissertation research area within the concentration of formal and distributive leadership.  
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered
EDUCATION 7211
Contemporary Issues in Learning, Teaching, and Curriculum
Credit hours: 3.0
Contact hours per week: 3-0-0
An intensive critical study of major issues within theories, conceptual frameworks, concepts, research, institutional policies, programs, and professional practices in the student's dissertation research area within the concentration of learning, teaching, and curriculum.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7212
Counselling Psychology: Contemporary Issues in Counselling Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical study of major theories, practices, conceptual frameworks, and concepts in counselling psychology to identify substantive issues, problems, and questions. Students will identify and address issues which relate to their research interests and specific dissertation research study.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7300
Theories in Formal and Distributive Leadership
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced theoretical studies within the major interactive elements of formal and distributive leadership in a variety of contexts and educational organizations.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7301
Theories in Learning, Teaching, and Curriculum
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced theoretical studies within the major interactive elements of learning, teaching, and curriculum.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7400
Advanced Qualitative Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination and application of paradigms, concepts, and assumptions within qualitative research approaches in education, including epistemologies, ethics, and the relationship between research interests, qualitative research questions, methods, data interpretation, and analysis.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7401
Advanced Quantitative Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination and application of paradigms, concepts, and assumptions within quantitative research approaches in education, including epistemologies, ethics, and the relationship between research questions, methods, data interpretation, and analysis.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7402
Counselling Psychology: Advanced Qualitative Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination and application of paradigms, concepts, and assumptions within qualitative research approaches in counselling psychology, including epistemologies, ethics, and the relationship between research interests, qualitative research questions, methods, data interpretation, and analysis.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7403
Counselling Psychology: Advanced Quantitative Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination and application of paradigms, concepts, and assumptions within quantitative research approaches in counselling psychology, including epistemologies, ethics, and the relationship between research questions, methods, data interpretation, and analysis.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7410
Doctoral Seminar One
Credit hours: 3.0
Contact hours per week: 3-0-0
An orientation to doctoral studies in education, exploration of candidates' research interests, refinement of dissertation topics, and exploration of the broader responsibilities within the research community.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered

EDUCATION 7411
Doctoral Seminar Two
Credit hours: 3.0
Contact hours per week: 3-0-0
Dissertation research proposal development and exploration of the broader responsibilities of successful participation within the research community.
Prerequisite(s): Education 7410

EDUCATION 7412
Counselling Psychology: Doctoral Seminar One
Credit hours: 3.0
Contact hours per week: 3-0-0
An orientation to doctoral studies, exploration of candidates' research interests, refinement of dissertation topics, and exploration of the broader responsibilities within the research community.
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered
**EDUCATION 7413**  
Counselling Psychology: Doctoral Seminar Two  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Dissertation research proposal development and exploration of the broader responsibilities of successful participation within the research community within Counselling Psychology.  
Prerequisite(s): Education 7412

**EDUCATION 7540**  
Counselling Psychology: Advanced Collaborative Research Practicum  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An aggregation of experiences designed to acquire practical research skills of increasing complexity across the broad variety of tasks involved in preparing, implementing, conducting, completing, and disseminating research in Counselling Psychology.  
Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered  
Grading: Pass/Fail

**EDUCATION 7413 - Education 8001**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Contact Hours per Week</th>
<th>Other Hours</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDUCATION 7413</td>
<td>Counselling Psychology: Doctoral Seminar Two</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>Dissertation research proposal development and exploration of the broader responsibilities of successful participation within the research community within Counselling Psychology. Prerequisite(s): Education 7412</td>
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<tr>
<td>EDUCATION 7540</td>
<td>Counselling Psychology: Advanced Collaborative Research Practicum</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>An aggregation of experiences designed to acquire practical research skills of increasing complexity across the broad variety of tasks involved in preparing, implementing, conducting, completing, and disseminating research in Counselling Psychology. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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<tbody>
<tr>
<td>EDUCATION 7510</td>
<td>Counselling Psychology: Theory and Practice of Clinical Supervision</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>An introduction to theory and practice of clinical supervision. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered</td>
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<tr>
<td>EDUCATION 7550</td>
<td>Practicum in Education</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>This course enables doctoral students to engage in field studies by developing and experimenting with innovative professional practices within appropriate professional contexts. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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<tr>
<td>EDUCATION 7551</td>
<td>Advanced Collaborative Research Practicum</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>An aggregation of practical research experiences of increasing complexity across the broad variety of tasks involved in implementing and conducting research. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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<tr>
<td>EDUCATION 7705</td>
<td>Counselling Psychology: Historical, Philosophical, and Theoretical Foundations</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>The evolution of Counselling Psychology as a distinct discipline, the influence of diverse theoretical and philosophical paradigms; and contemporary theories of counselling psychology. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered</td>
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<tr>
<td>EDUCATION 7709</td>
<td>Counselling Psychology: Doctoral Practicum I</td>
<td>3.0</td>
<td>2.5-0-0</td>
<td>0-0-200</td>
<td>Advanced professional development and supervised practice for doctoral students in Counselling Psychology (Part I). Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered</td>
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<tr>
<td>EDUCATION 7711</td>
<td>Counselling Psychology: Doctoral Practicum II</td>
<td>3.0</td>
<td>2.5-0-0</td>
<td>0-0-200</td>
<td>Advanced professional development and supervised practice for doctoral students in Counselling Psychology (Part II). Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered</td>
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<tr>
<td>EDUCATION 7713</td>
<td>Counselling Psychology: Advanced Collaborative Research Practicum</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>An aggregation of experiences designed to acquire practical research skills of increasing complexity across the broad variety of tasks involved in preparing, implementing, conducting, completing, and disseminating research in Counselling Psychology. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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<td>EDUCATION 7790</td>
<td>Independent Study</td>
<td>3.0</td>
<td>3-0-0</td>
<td>0-0-100</td>
<td>This course enables doctoral students in Education to undertake independent study of a topic not covered under regular electives or special topics courses. Prerequisite(s): Consent of the Assistant Dean of Graduate Students and Research (Faculty of Education)</td>
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<tr>
<td>EDUCATION 8000</td>
<td>Doctoral Thesis</td>
<td>135.0</td>
<td>2.5-0-0</td>
<td>0-0-200</td>
<td>This course enables doctoral students to engage in field studies by developing and experimenting with innovative professional practices within appropriate professional contexts. Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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<tr>
<td>EDUCATION 8001</td>
<td>Counselling Psychology: Doctoral Thesis</td>
<td>135.0</td>
<td>2.5-0-0</td>
<td>0-0-200</td>
<td>Advanced professional development and supervised practice for doctoral students in Counselling Psychology (Part I). Prerequisite(s): Admission to the Ph.D. in Education cohort for which the course is being offered. Grading: Pass/Fail</td>
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Grading: Pass/Fail
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Contact Hours per Week</th>
<th>Prerequisites</th>
<th>Equivalent Courses</th>
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<tbody>
<tr>
<td>CAAP 6601</td>
<td>Theories of Counselling and their Application to Client Change</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>Admission to the cohort for which the course is being offered AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607) AND CAAP 6613 (CAAP 613) AND CAAP 6615 (CAAP 615)</td>
<td>CAAP 601; Education 5705</td>
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<tr>
<td>CAAP 6603</td>
<td>Professional Ethics and Conduct</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>Admission to the cohort for which the course is being offered AND CAAP 6601 (CAAP 601) AND CAAP 6605 (CAAP 605)</td>
<td>CAAP 603; Education 5621; Education 5620 (Gender and Culture) (prior to 2012/2013)</td>
</tr>
<tr>
<td>CAAP 6605</td>
<td>Foundational Counselling and Conflict Resolution Skills</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>Admission to the cohort for which the course is being offered</td>
<td>CAAP 605; Education 5704</td>
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<tr>
<td>CAAP 6607</td>
<td>Counselling Diverse Clients</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>Admission to the cohort for which the course is being offered AND CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607) AND CAAP 6613 (CAAP 613) AND CAAP 6615 (CAAP 615)</td>
<td>CAAP 607; Education 5622; Education 5620 (Gender and Culture) (prior to 2012/2013)</td>
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<tr>
<td>CAAP 6611</td>
<td>General Counselling Practicum</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>All prerequisite courses must have a minimum 'B-' grade.</td>
<td>CAAP 611; Education 5709</td>
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<tr>
<td>CAAP 6613</td>
<td>Assessment: Processes and Application</td>
<td>3.0</td>
<td>Online facilitated instruction/face-to-face</td>
<td>All prerequisite courses must have a minimum 'B-' grade.</td>
<td>CAAP 613; Education 5707</td>
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</tbody>
</table>
CAAP 6615
Counselling Strategies and Interventions
Credit hours: 3.0
Contact hours per week: Online facilitated instruction/face-to-face summer institute
An intensive study of a variety of counselling techniques arising from counselling theories to address common presenting problems in children, youth and adults. Skill development in laboratory settings emphasizes counsellor self-evaluation, case conceptualization, the ethical practice of delivering the treatment plan, intervention efficacy, matching of interventions to client issues, and consultation issues.
Prerequisite(s): Admission to the cohort for which the course is being offered AND CAAP 6601 (CAAP 601) AND CAAP 6605 (CAAP 605)
Equivalent: CAAP 615; Education 5706
Note: All prerequisite courses must have a minimum 'B-' grade.

CAAP 6617
Research and Program Evaluation Skills
Credit hours: 3.0
Contact hours per week: Online facilitated instruction
Qualitative and quantitative research methods are examined, ranging from single-subject designs to program evaluation strategies, applicable to counselling settings.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 617; Education 5410 (Methods of Inquiry)

CAAP 6619
Specialized Counselling Practicum
Credit hours: 3.0
Contact hours per week: 2-0-0 Online facilitated instruction/face-to-face seminar
Provides an opportunity for professional development and supervised practice in a specialized counselling context. Students will be involved in direct work with clients under the supervision of a qualified professional. The practicum allows students to actively explore issues encountered in working with a specialized client population or area of practice.
Prerequisite(s): Admission to the cohort for which the course is being offered
Corequisite(s): CAAP 6611 (CAAP 611)
Equivalent: CAAP 619; Education 5711
Grading: Pass/Fail
Note: Students must have a minimum 'B-' grade in CAAP 6613 (CAAP 613) AND CAAP 6615 (CAAP 615).

CAAP 6631
Cognitive and Affective Bases of Behaviour
Credit hours: 3.0
Contact hours per week: Online facilitated instruction
Focuses on theories of Cognition and Affect by examining how humans process information and organize their knowledge and emotional experiences. Contemporary issues will be addressed in several areas of application including regulation of affect and behaviour in everyday life and in unusual circumstances.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 631; Education 5623; Education 5620 (Learning Processes) (prior to 2012/2013)

CAAP 6633
Counselling Issues Across the Life Span
Credit hours: 3.0
Contact hours per week: Online facilitated instruction
In-depth study of human development and functioning across the lifespan. Focus is on normative life transitions, the family life cycle, atypical developmental risk factors, and selected emotional and behavioral disorders in children and adolescents. Special attention is given to attachment theory across the life span and implications for relational development.
Prerequisite(s): Admission to the cohort for which the course is being offered
Equivalent: CAAP 633; Education 5620 (Human Development)

CAAP 6635
Biosocial Foundations of Health Psychology
Credit hours: 3.0
Contact hours per week: Online facilitated instruction
Current research in biosocial health psychology is addressed including the study of behavioural responses to stress, addictions and chronic illness. Emphasis is on interpersonal emotional processes and lifestyle modifications to adjust to health-related stressors. Additional topics include consequences of common psychophysiological reactions and syndromes such as anxiety disorders; eating disorders; and depressive disorders including grief and loss.
Prerequisite(s): Admission to the cohort for which the course is being offered AND CAAP 6601 (CAAP 601) AND CAAP 6607 (CAAP 607) AND CAAP 6617 (CAAP 617)
Equivalent: CAAP 635; Education 5620 (Health Psychology)
Note: All prerequisite courses must have a minimum 'B-' grade.
CAAP 6637 - Engineering 1100

CAAP 6637  
Group Counselling and Process Skills  
Credit hours: 3.0  
Contact hours per week: Online facilitated instruction/face-to-face summer institute  
This course will provide a conceptual understanding of group process, applied to a wide range of contexts and clientele. The course will build on the construct of the working alliance as a foundation for the counselling process and will incorporate various theories of group counselling and group process into an overall conceptual framework. The course delivery will consist of two integrated components: (a) an online component focusing on group theories and conceptual aspects of working in group contexts and (b) a face-to-face component delivered during a summer institute.  
Prerequisite(s): Admission to the cohort for which the course is being offered AND CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607)  
Equivalent: CAAP 637; Education 5620 (Group Counselling and Process Skills)  
Note: All prerequisite courses must have a minimum 'B-' grade.

CAAP 6681  
Clinical Supervision  
Credit hours: 3.0  
Contact hours per week: Online facilitated instruction  
The purpose of this course is for students to learn the process of clinical supervision and, as a result, become better consumers of supervision, more effective supervisors, and more able to evaluate their current and future development and involvement in supervisory roles.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education) AND CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607)  
Equivalent: CAAP 681  
Note: All prerequisite courses must have a minimum 'B-' grade.

CAAP 6695  
Graduate Practicum: Selected Topics  
Credit hours: 3.0  
Contact hours per week: Online facilitated instruction  
Students will negotiate a suitable description for this course with their instructor.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Equivalent: Any offering in the CAAP 695 Series with the same title as the offering in the CAAP 6695 Series

CAAP 6699  
Project  
Credit hours: 0.0  
Students will be required to complete an independent project as the culminating activity of the Master of Counselling program. The project may be theoretical or applied, shall be relevant to the practice of Counselling or Counselling Psychology, and shall demonstrate a depth of knowledge and understanding of the discipline, as well as the student's area of specialization. The project is intended as a means for students to integrate their conceptual learning with applied practice in a contextually meaningful fashion. The structure of the project will be flexible in order to accommodate various creative endeavours and it may be work-based.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Grading: Pass/Fail  
Note: No fees are assessed for this registration.

CAAP 6690  
Independent Study  
Credit hours: 3.0  
Contact hours per week: Online facilitated instruction  
Students may be permitted to earn credit by Independent Study, which is designated by the course number CAAP 6990.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)

CAAP 6999  
CAAP Placeholder  
This is a placeholder registration for students admitted to the CAAP program, who are not registered in a course in a particular semester.  
Prerequisite(s): Consent of the Assistant Dean of Graduate Studies and Research (Faculty of Education)  
Grading: 'X' grade  
Note: No fees are assessed for this registration.

ENGINEERING (ENGG)  
Faculty of Arts and Science

Note: Engineering courses are offered by the Department of Physics and Astronomy.

ENGINEERING 1100  
The Engineering Profession I  
Credit hours: 1.5  
Contact hours per week: 1.5-0-0  
Introduction to the Pre-Engineering Program, study skills, cooperative education opportunities, engineering, and society. Students will also be introduced to local engineers and other professionals and will receive advice on choosing the right program when transferring to other universities.  
Grading: Pass/Fail  
Note: This course is only available to students enrolled in the Pre-Engineering Program.
ENGINEERING 2000
Engineering Statics
Credit hours: 3.0
Contact hours per week: 3-2-0
Analysis of equilibrium in two-dimensional and three-dimensional systems. Analysis of statically determinate trusses, frames and machines. Centroids and centers of gravity. Analysis of forces and moments in beams. Corequisite(s): Mathematics 1560

ENGLISH 2000
Survey of Canadian Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
Canadian literature from early exploration writings to the present in relation to historical and social contexts. Selected and representative works of such writers as Hearne, Moodie, Roberts, Birney, Munro and Atwood.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2050
Survey of English Literature I
Credit hours: 3.0
Contact hours per week: 3-0-0
English literature from its beginnings to 1800 in relation to historical and social contexts. Selected and representative works of such writers as Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Pope and Swift.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2060
Engineering Mechanics
Credit hours: 3.0
Contact hours per week: 3-2-0
Prerequisite(s): Engineering 2000 AND Mathematics 1560

ENGLISH 2100
Poetry
Credit hours: 3.0
Contact hours per week: 3-0-0
Defining characteristics and fundamentals of poetry. This course familiarizes the student with the skills necessary to read poems, as well as the basic theories, literary terms and concepts found in responses, interpretations and critical analyses of them.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2120
Drama
Credit hours: 3.0
Contact hours per week: 3-0-0
Defining characteristics and fundamentals of drama. This course familiarizes the student with the skills necessary to read plays, as well as the basic theories, literary terms and concepts found in responses, interpretations and critical analyses of them.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2200
Introduction to Language and Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the study of English language and literature, involving an exploration of various genres of literature and non-literary texts and requiring a series of critical assignments designed to encourage analytical reading, thinking and writing.

ENGLISH 2250
Survey of American Literature I
Credit hours: 3.0
Contact hours per week: 3-0-0
American literature from its Puritan beginnings to 1900 in relation to historical and social contexts. Selected and representative works of such writers as Mather, Bradstreet, Hawthorne, Melville, Whitman, Dickinson and James.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2300
Prose Fiction
Credit hours: 3.0
Contact hours per week: 3-0-0
Defining characteristics and fundamentals of prose. This course familiarizes the student with the skills necessary to read fiction, as well as the basic theories, literary terms and concepts found in responses, interpretations and critical analyses of it.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2500
Survey of American Literature II
Credit hours: 3.0
Contact hours per week: 3-0-0
American literature from 1900 to the present in relation to historical and social contexts. Selected and representative works of such major writers as Pound, Wiliams, Faulkner, Hurston, Plath and Morrison.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English
ENGLISH 2610
Survey of Children's Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
Children's literature from its beginnings in both the oral and written traditions to the present, in light of cultural assumptions such as gender, class and literary fashion. Selected and representative works of such writers as Andersen, Carroll, Twain, Milne, Tolkien and Montgomery.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2700
Surveys of Literature (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Surveys of literature, such as World Literature or Women's Literature. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2720
Approaches to Literature (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings explore approaches to literature such as the question of canon or the influence of historical contexts (nationalism, war, revolution and so forth) on literary production. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2800
Rhetoric
Credit hours: 3.0
Contact hours per week: 3-0-0
Rhetoric as a pragmatic art and classical discipline that develops the student's use of argumentative discourse and other means of persuasion in written and oral forms. Emphasis on historical as well as modern models of rhetoric and on analyses and detection of rhetorical tropes, techniques and fallacies.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2810
Grammar
Credit hours: 3.0
Contact hours per week: 3-0-0
The basic structures of English: word classes, sentence elements and basic aspects of syntax and morphology. Primary emphasis on descriptive grammar, though some attention will be paid to prescriptive approaches.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 3001
Canadian Poetry
Credit hours: 3.0
Contact hours per week: 3-0-0
Development of Canadian poetry from the late 18th Century to the present with emphasis on the poetry of the past half-century.
Prerequisite(s): One of English 2000 or English 2100

ENGLISH 3002
Contemporary Canadian Drama
Credit hours: 3.0
Contact hours per week: 3-0-0
The significance and variety of forms in Canadian theatre. Selected and representative works of such writers as Tremblay, Fennario, Reaney, Pollock, Highway and MacDonald.
Prerequisite(s): One of English 2000, English 2200, Drama 2120, or Drama 2130

ENGLISH 3008
Canadian Literature, 1867 - 1914
Credit hours: 3.0
Contact hours per week: 3-0-0
The historical context of Canadian literature written between Confederation and World War I. An examination of developing notions of Canadian identity and citizenship in poetry and prose written for both adults and children.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3010
Literary Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey and examination of major and recurrent issues and questions concerning the nature, function and value of literature and art from Plato to the present day.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English AND Second-year standing (a minimum of 30.0 credit hours)

ENGLISH 3060
Gender and Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
A study of gender issues in contemporary culture and literature, including feminism, construction of masculinity, and gender and ethnicity. Both theoretical and literary texts will be examined in the course.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3070
Theorizing Children's Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the relationship between imperialism, nationalism and children's literature in the nineteenth and twentieth centuries. Selected and representative works of such writers as Ingalls Wilder, Kipling and Montgomery.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3201
Elizabethan and Jacobean Drama
Credit hours: 3.0
Contact hours per week: 3-0-0
Representative works of important dramatists (excluding Shakespeare) of the Elizabethan and Jacobean periods, such as Kyd, Marlowe, Jonson, Middleton and Webster.
Prerequisite(s): One of English 2200, English 2400, Drama 2120, or Drama 2130
<table>
<thead>
<tr>
<th>COURSES</th>
<th>ENGLISH 3301 - English 3610</th>
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<tbody>
<tr>
<td>ENGLISH 3301</td>
<td>Rise of the Novel</td>
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<tr>
<td>Credit hours: 3.0</td>
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<td>Contact hours per week: 3-0-0</td>
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<td>A study of the early development of this genre in English and its audience. Novels throughout the formative eighteenth century (and slightly beyond) that are representative, popular and/or canonical.</td>
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<tr>
<td>Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English</td>
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| ENGLISH 3302 | 19th-Century British Novel |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| Development of the novel in England during the nineteenth century. Examination of issues such as heredity, family, courtship and the place of the individual in society as illustrated by works of representative novelists such as Austen, Brontë, Eliot, Dickens, Thackeray and Hardy. |
| Prerequisite(s): One of English 2300, English 2400, or English 2450 |

| ENGLISH 3310 | Restoration and 18th-Century Literature |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| An examination of the literature of various genres of the late seventeenth and eighteenth centuries, a period (1660-1800) critically transitional in the movement of world views and literary modes that are late Medieval and Renaissance to those that evolve into the post-Romantic and recognizably Modern. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3350 | Romanticism |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| An examination of the literature of various genres that characterizes the literary, ideological and social/political phenomenon of Romanticism, from the 'cult of the sublime' of the later eighteenth century through to the full-blown Romantic writing of the early nineteenth century and the advent of the Victorian period. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3401 | Medieval Literature |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| Selected and representative Middle English poetry, prose and drama of the twelfth to fifteenth centuries. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3402 | 16th-Century Literature |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| English poetry and prose of the Tudor period. Selected and representative works of such writers as Skelton, More, Askew, Elizabeth I, Whittingham, Sidney, Spenser, Shakespeare, Marlowe and the Countess of Pembroke. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3410 | 17th-Century Literature |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| English poetry and prose of the seventeenth century. Selected and representative works of such writers as Donne, Jonson, Herbert, Vaughan, Browne, Marvell, Bunyan and Milton. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3450 | Old English |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| The study of Old English language and literature. Instruction in basic Old English grammar and syntax, translation practice, and an introduction to the language's literary and historical context. |
| Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) |

| ENGLISH 3500 | Victorian Literature |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| An examination of the various genres, including poetry, non-fiction prose, short story and drama, that contributed to the literature of the Victorian era. Selected and representative works of such writers as Carlyle, Tennyson, the Brownings, Hopkins, Rossetti, Eliot, Doyle and Wilde. |
| Prerequisite(s): One of English 2100, English 2200, English 2300, English 2400, or English 2450 |

| ENGLISH 3550 | American Renaissance |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| Literature written in the United States from the 1830s to the end of the Civil War. The emergence of a distinct national voice in poetry and prose that accompanied the development of transcendentism in New England. Selected and representative works of such writers as Emerson, Stowe, Thoreau, Alcott, Dickinson and Whitman. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3601 | Chaucer |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| The writings of Geoffrey Chaucer, including selected minor works and major works such as The Canterbury Tales and Troilus and Criseyde. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |

| ENGLISH 3602 | Shakespeare |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| Representative Shakespearean drama. The structure, language and themes of his comedies, tragedies, histories and romances. |
| Prerequisite(s): One of English 2200, English 2400, Drama 2120, or Drama 2130 |

| ENGLISH 3610 | Modernism |
| Credit hours: 3.0 |
| Contact hours per week: 3-0-0 |
| An examination of the major impulse in Western art that emerged in the years between 1880 and 1945. The ways in which literature sought to respond to the modern world by adapting aesthetic innovations developed across a variety of disciplines. |
| Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English |
ENGLISH 3620
Modern Drama
Credit hours: 3.0
Contact hours per week: 3-0-0
The major movements in European and American theatre in the first half of the twentieth century. The significance and variety of forms in the theatre. Selected and representative works of such writers as Ibsen, Strindberg, Synge, Brecht, O’Neill and Pirandello.
Prerequisite(s): One of English 2200, English 2450, English 2550, Drama 2120, or Drama 2130

ENGLISH 3630
Modern Novel
Credit hours: 3.0
Contact hours per week: 3-0-0
Fiction written in Europe and the United States during the first half of the twentieth century. The formal innovations that defined prose in this period and the thematic preoccupations of major novelists in the modern world. Selected and representative works of such writers as Conrad, Stein, Joyce, Faulkner, Dos Passos and Lawrence.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3650
Contemporary Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of interesting and innovative novelists, poets and playwrights writing from the 1970s to the present on a range of contemporary issues and ideas.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3660
Contemporary Drama
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected plays of dramatists in Europe and the United States from mid-century to the present. Emphasis on distinguishing developments in the contemporary theatre. Selected and representative works of such writers as Beckett, Albee, Genet, Churchill, Hwang and Friel.
Prerequisite(s): One of English 2200, English 2450, English 2550, Drama 2120, or Drama 2130

ENGLISH 3670
Nobel Laureates: Contemporary Poets
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary poetry in English and in translation written by poets who have won the Nobel Prize for Literature.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English AND second-year standing (a minimum of 30.0 credit hours)
Equivalent: English 3700 (Nobel Laureates: Contemporary Poets) (prior to 2011/2012)

ENGLISH 3700
Genres and Forms (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
General interest areas in literature, such as science fiction, the short story or autobiography. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

ENGLISH 3800
Creative Writing
Credit hours: 3.0
Contact hours per week: 3-0-0
A workshop for students with some experience in creative writing. Focus placed on in-class discussion of works in progress with the goal of completing a portfolio.
Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English AND second-year standing (a minimum of 30.0 credit hours) AND submission of writing samples AND interview

ENGLISH 3810
Contemporary Canadian Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
The work of Canadian writers who have achieved world-wide recognition in recent decades, as well as others who have added significantly to our knowledge of ourselves and this country. Multiculturalism, history and intertextuality, ethnicity, aboriginal issues, feminism, post-colonialism and postmodernism in the Canadian context.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3860
Post-Colonial Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to significant issues, perspectives and voices within the study of post-colonial literatures in English. The course will include literature from such countries and regions as Africa, Australia, Canada, the Caribbean, India and the Pacific Rim.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 3901
History of the English Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Nature and development of the English language from its beginnings to the present. Basic features of the three main stages in the language’s development: Old, Middle and Modern English. Internal and external forces that brought about change.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

ENGLISH 4000
Seminars in Canadian and Post-Colonial Literature (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of themes, issues or individual works of Canadian or post-colonial literatures, or both. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

ENGLISH 4400
Seminars in English Literature and Language (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of subjects such as contemporary literary theory, new developments in literary analysis, modern autobiography, non-fictional contexts for literary movements and the history of the book. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
ENGLISH 4600
Individual Authors (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of an individual author. Offerings vary depending on student interest and available faculty.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

ENGLISH 4800
Advanced Creative Writing
Credit hours: 3.0
Contact hours per week: 3-0-0
Continuation of English 3800. A workshop for students with considerable experience in creative writing. Focus placed on in-class discussion of works in progress with the goal of completing a portfolio.
Prerequisite(s): English 3800 AND Submission of a portfolio AND Interview

ENGLISH 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct research, report orally and in the form of an Undergraduate Thesis which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

ENVIRONMENTAL SCIENCE 4000
Selected Studies in Environmental Science I (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0 or 3-3-0
Studies in selected areas of Environmental Science. Specific offerings are generally interdisciplinary and may involve natural science and/or social science components.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

ENVIRONMENTAL SCIENCE 4000
Selected Studies in Environmental Science II (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0 or 3-3-0
Studies in selected areas of Environmental Science. Specific offerings are generally interdisciplinary and may involve natural science and/or social science components.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

ENVIRONMENTAL SCIENCE 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

EXCHANGE STUDENT (EXCH)
Note: These courses are administered by the Registrar's Office.

EXCHANGE 9999
Exchange Placeholder
This is a placeholder registration for students participating in an approved Exchange program.
Grading: 'X' grade—see Part I - Admission, Section 7.4.4, p. 43
Note: Fees are assessed for this registration.
FINE ARTS 3002
Co-op Work Experience II
Credit hours: 0.0
Co-op Work Experience II requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and Employer, and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Fine Arts 3001
Grading: Pass/Fail
Note: Fine Arts 3002 cannot be taken concurrently with an Applied Studies course.

FINE ARTS 3003
Co-op Work Experience III
Credit hours: 0.0
Co-op Work Experience III requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and Employer, and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Fine Arts 3002
Grading: Pass/Fail
Note: Fine Arts 3003 cannot be taken concurrently with an Applied Studies course.

FINE ARTS 3004
Co-op Work Experience IV
Credit hours: 0.0
Co-op Work Experience IV requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and Employer, and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Fine Arts 3003
Grading: Pass/Fail
Note: Fine Arts 3004 cannot be taken concurrently with an Applied Studies course.

FINE ARTS 3005
Co-op Work Experience V
Credit hours: 0.0
Co-op Work Experience V requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and Employer, and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Fine Arts 3004
Grading: Pass/Fail
Note: Fine Arts 3005 cannot be taken concurrently with an Applied Studies course.

FINE ARTS 3006
Co-op Work Experience VI
Credit hours: 0.0
Co-op Work Experience VI requires the student to complete a Work Term successfully, be evaluated by the Co-op Coordinator and Employer, and complete a Work Term report graded by an assigned faculty member.
Prerequisite(s): Fine Arts 3005
Grading: Pass/Fail
Note: Fine Arts 3006 cannot be taken concurrently with an Applied Studies course.

FINE ARTS 3850
Topics in Fine Arts
Credit hours: 3.0
Contact hours per week: Variable
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

FINE ARTS 4500/HEALTH SCIENCES 4500
Global Health, Fine Arts, and Social Change
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will introduce students to the creation of social change using the arts as a strategy to address global health challenges, with an emphasis on sub-Saharan Africa. Students will examine contextual aspects of and influences on health and health care. Students will gain basic skills and experience in selected fine arts (e.g., theatre, music) and will explore their application to culturally safe health promotion initiatives.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 4850 (Health, Illness and Cultural Communication in Malawi) (prior to 2014/2015)
FINE ARTS 4510/HEALTH SCIENCES 4510
Global Health and Arts for Change Field Study
Credit hours: 3.0
Other hours: 0-0-120
Students will spend approximately four weeks in Malawi, a Southern African country, where they will interact with health care providers and community members in rural and urban areas to gain firsthand knowledge and understanding of the social, political, human rights, cultural and economic influences that contribute to the health status of Malawian citizens. Students will assist with the development and implementation of arts-based primary health care strategies to address these health concerns. Students will also have the opportunity to reflect on their roles and responsibilities related to global citizenship. Prerequisite(s): Will be specified (including any student interest and availability of faculty). Prerequisite(s): Health Sciences 4500/Health Sciences 4510 - French 2001
Equivalent: Health Sciences 4500 (Field Experience: Health, Illness and Cultural Communication in Malawi) (prior to 2014/2015)
FINE ARTS 4510
Topics in Fine Arts
Credit hours: 3.0
Contact hours per week: Variable
Interdisciplinary topics in Fine Arts not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise. Prerequisite(s): Will be specified (including any recommended background) for individual offerings.

FRENCH 1100
Beginners' French II
Credit hours: 3.0
Contact hours per week: 3-1-0
Continuation of French 1000. Prerequisite(s): One of French 1000, French 10, French 20, or French 30-3Y
Note: Students with French 10, French 20 or French 30-3Y must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.

FRENCH 1500
Intermediate Language I
Credit hours: 3.0
Contact hours per week: 3-1-0
Development of language skills; oral expression, listening comprehension, reading and writing. Use of the language laboratory. Prerequisite(s): One of French 1100, French 30, French 30-6Y, French 30-9Y, or French 31
Note: Students with French 30, French 30-6Y, French 30-9Y or French 31 must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course. May not be taken for credit by students with French Language Arts 30 or Français 30.

FRENCH 2000
Intermediate Language II
Credit hours: 3.0
Contact hours per week: 3-1-0
Further development of language skills; oral expression, listening comprehension, reading and writing. Use of the language laboratory. Prerequisite(s): French 1500
Note: May not be taken for credit by students with French Language Arts 30 or Français 30 or equivalent.

FRENCH 2001
Intermediate Language for Immersion Graduates
Credit hours: 3.0
Contact hours per week: 3-1-0
A language course for French immersion graduates with an emphasis on written skills and grammatical concepts. Use of the language laboratory. Prerequisite(s): One of French Language Arts 30 or Français 30
Substantially Similar: French 2000
Note: May not be taken for credit by students with French 1500 or French 2000.
**FRENCH 2200**

**Culture and Civilization I**
Credit hours: 3.0
Contact hours per week: 3-0-0
Aspects of modern French and French-Canadian culture and civilization. Study of texts, audio and visual materials.
Prerequisite(s): One of French 2000, French Language Arts 30, or Français 30

**FRENCH 2250**

**French Immersion**
Credit hours: 3.0
Other hours: Immersion in a francophone milieu
Academic and living experiences in a francophone milieu. Institution to be approved by the Department. For students taking part in the French Visiting Student Programme only.
Prerequisite(s): One of French 2000 or French 2001 with a minimum ‘C-’ grade AND Second-year standing (a minimum of 30.0 credit hours)
Grading: Pass/Fail
Note: French 2250 is a required course for Modern Languages Education: French majors and a recommended course for Modern Languages Education: French minors.
It is recommended that Modern Languages Education: French majors successfully complete French 2250 before enrolling in Professional Semester I.
French 2250 may be taken for credit by French majors in Arts and Science, but will not count toward the minimum 15 courses required for this major.

**FRENCH 2300**

**Introduction to Modern Literature and Literary Analysis**
Credit hours: 3.0
Contact hours per week: 3-0-0
Improvement of reading, writing and analytical skills in the French language. Appreciation and understanding of French literature from 1789 to the present day.
Prerequisite(s): One of French 2000, French Language Arts 30, or Français 30

**FRENCH 3001**

**Advanced Language I**
Credit hours: 3.0
Contact hours per week: 3-0-0
Structural and stylistic nuances of French.
Prerequisite(s): One of French 2000 or French 2001

**FRENCH 3100**

**Survey of Pre-Revolutionary French Literature**
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of French literature before the revolution of 1789. Study of a variety of genres and major authors.
Prerequisite(s): French 2300
Equivalent: French 3500 (French Literature Before 1789) (prior to 2009/2010)

**FRENCH 3200**

**Culture and Civilization II (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected periods or themes in French or French-Canadian culture and civilization. Political, social and cultural aspects. Study of texts, audio and visual materials.
Prerequisite(s): French 2200
Recommended Background: One of French 2000, French 2001, or French 2300

**FRENCH 3450**

**Phonetics and Diction**
Credit hours: 3.0
Contact hours per week: 2-1-0
The theory and practice of phonetic features of the French language. Topics may include: sounds, stress, rhythm, intonation, syllabification, liaison, acoustic analysis, phonetic transcription using the International Phonetic Alphabet. English-French comparative phonetics. Use of the language laboratory.
Prerequisite(s): One of French 2000, French Language Arts 30, or Français 30
Equivalent: French 2400 (prior to 2009/2010)

**FRENCH 3500**

**Survey of French or French-Canadian Literature (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Representative literary works of France or French Canada.
Prerequisite(s): French 2300

**FRENCH 3600**

**Literary Genres (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Nature and development of a specific genre: novel, drama, poetry, short story, essay, biography, song, children’s literature or film. Appreciation and understanding of characteristic elements of the genre. Representative works by major francophone artists.
Prerequisite(s): French 2300

**FRENCH 4001**

**Advanced Language II**
Credit hours: 3.0
Contact hours per week: 3-0-0
Further study of the structural and stylistic nuances of French.
Prerequisite(s): French 3001

**FRENCH 4002**

**Advanced Studies in Language (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Aspects of the French language. Topics to be covered may include composition, translation, stylistic analysis, syntactic analysis and history of the French language.
Prerequisite(s): French 3001

**FRENCH 4600**

**Seminar in Literature (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected and representative works of major authors or literary movements of a specific period or century.
Prerequisite(s): One of French 3100, French 3500, or French 3600
FRENCH 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct research, report orally and submit a report in the form of an Undergraduate Thesis which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND A cumulative GPA of 3.50 or higher in French courses AND French 3001 AND At least one French course (3.0 credit hours) at the 3000 or 4000 level in a field relevant to the thesis
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

GEOGRAPHY 1000
Introduction to Physical Geography
Credit hours: 3.0
Contact hours per week: 3-0-0
Fundamental processes and interrelationships between the atmosphere, lithosphere, biosphere, and hydrosphere using a systems science approach. Topics will include landforms and landscapes, geodesy, Earth surface materials, soils, biogeography, weather and climate, hydrology, water resources, and glacial processes.
Equivalent: Geography 1010 (prior to 2010/2011)
Note: This course complements Geography 1200.

GEOGRAPHY 1200
Introduction to Human Geography
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of human geography as a discipline, focusing on interrelationships among people, places and their environments. Topics include the changing geographies of population, economy, settlement patterns, resource use and environment, politics, gender, and culture.
Equivalent: Geography 2240 (prior to 2010/2011)
Note: This course complements Geography 1000.

GEOGRAPHY 2000
World Regional Geography
Credit hours: 3.0
Contact hours per week: 3-0-0
The course is organized around major world regions. It introduces students to the process of global integration and provides insights into the functional relations that characterize this integration. Environmental concerns, global population and resources, the emergence of trading blocs and growing dependency are covered within the framework of the regional organization.

GEOGRAPHY 2030
Geomorphology
Credit hours: 3.0
Contact hours per week: 3-1.5-0
Other hours: 0-0-3
The scientific study of landforms comprising a spectrum of approaches from both historical and functional conceptual bases. Basic concepts covered in landform description and analysis are uniformity, evolution, complexity, and systems. A three-hour field trip will be scheduled.
Prerequisite(s): One of Geography 1000, Environmental Science 2000, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science
Equivalent: Geography 3090 (prior to 2010/2011)

GEOGRAPHY 2090
Biogeography
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-16
Geographic and spatial relationships of individuals, species, ecosystems, and biomes. Topics include biodiversity, dispersal, evolution and environmental change. Two eight-hour field excursions will be scheduled on Saturdays.
Prerequisite(s): Geography 1000 AND One of Biology 1010 or Biology 1020
Equivalent: Geography 3090 (prior to 2010/2011)

GEOGRAPHY 2210
Spatial Organization of Economic Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-4
Neo-classical and contemporary perspectives on the geography of urban and economic activities. Topics covered include central place hierarchies, industrial location, agricultural and urban land use, transportation, spatial interaction and regional economic development. A four-hour field trip in the City of Lethbridge will be scheduled.
Prerequisite(s): Geography 1200

GEOGRAPHY 2300
Weather and Climate
Credit hours: 3.0
Contact hours per week: 3-1.5-0
Prerequisite(s): One of Geography 1000, Environmental Science 2000, admission to the Post-Diploma B.Sc. in Agricultural Studies, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science
Equivalent: Geography 2015 (prior to 2010/2011)
GEOGRAPHY 2535
Introduction to Planning
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
A survey of urban, regional, resource and land use planning, history of urban design and planning concepts, legal and institutional framework for urban and regional planning, the planning process, contemporary planning issues at the community, metropolitan and regional scale. A one-day field trip will be scheduled on a Saturday.

GEOGRAPHY 2600
Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
Physical environments, resources, economics and settlements of the regions of Canada.

GEOGRAPHY 2700
Geographical Data and Analysis
Credit hours: 3.0
Contact hours per week: 3-1.5-0
Prerequisite(s): One of Geography 1000, Geography 1200, or admission to the Post-Diploma B.Sc. in Agricultural Studies

GEOGRAPHY 2735
Introduction to Geographical Information Science
Credit hours: 3.0
Contact hours per week: 3-3-0
An introductory course in the geographical information sciences with an emphasis on concepts in geographical information systems (GIS) and remote sensing. Data structures and fundamental GIS functions. Introduction to remote sensing of the Earth's surface, aerial photography, photogrammetry, and visual image interpretation. Laboratory work will involve techniques in GIS software, aerial photography interpretation, and image assessment.
Prerequisite(s): One of Geography 1000, Geography 1200, or admission to the Post-Diploma B.Sc. in Agricultural Studies

GEOGRAPHY 2750
Glaciology and Glacial Geomorphology
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of perennial snow and ice and the effects of glaciers in the development of landforms. Insights into the uses and abuses of soils, role of soil agronomy in resource development. A one-day field trip will be scheduled on a Saturday.
Prerequisite(s): One of Environmental Science 2000 or admission to the Post-Diploma B.Sc. in Environmental Science

GEOGRAPHY 2800
Geophysical Data and Analysis
Credit hours: 3.0
Contact hours per week: 3-1.5-0
An introductory course in the geographical information sciences with an emphasis on concepts in geographical information systems (GIS) and remote sensing. Data structures and fundamental GIS functions. Introduction to remote sensing of the Earth's surface, aerial photography, photogrammetry, and visual image interpretation. Laboratory work will involve techniques in GIS software, aerial photography interpretation, and image assessment.
Prerequisite(s): One of Geography 1000, Geography 1200, or admission to the Post-Diploma B.Sc. in Agricultural Studies

GEOGRAPHY 3020
Fluvial Geomorphology
Credit hours: 3.0
Contact hours per week: 3-3-0
A study of landforms and deposits created by running water. Aspects of drainage basin development, the measurement of drainage basin processes, concepts of drainage basin hydraulics and flood frequency analysis will be illustrated with field and computer-based laboratory exercises. The watershed will serve as the basic unit of study with emphasis on western Canadian river basins.
Prerequisite(s): Geography 1000, Geography 1200, or admission to the Post-Diploma B.Sc. in Agricultural Studies

GEOGRAPHY 3030
Glacial Geomorphology
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of perennial snow and ice and the effects of glaciers in the development of landforms. A one-day field trip will be scheduled on a Saturday.
Prerequisite(s): Geography 1000, Geography 1200, or admission to the Post-Diploma B.Sc. in Agricultural Studies

GEOGRAPHY 3040
Environmental Resources Management
Credit hours: 3.0
Contact hours per week: 3-0-0
This course considers the theory and methods of environmental assessment, adaptive management, and issues in resource analysis, allocation and development.
Prerequisite(s): One of Environmental Science 2000 or admission to the Post-Diploma B.Sc. in Environmental Science

GEOGRAPHY 3050
Soils
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-8
Physical, chemical, biological properties of soils; soil formation, classification and distribution, insights into the uses and abuses of soils, role of soil agronomy in resource development. A one-day field trip will be scheduled on a Saturday.
Prerequisite(s): One of Geography 1000, Geography 1200, or admission to the Post-Diploma B.A. or B.Sc. in Environmental Science

GEOGRAPHY 3060
Hazards, Disasters and Global Change
Credit hours: 3.0
Contact hours per week: 3-0-0
The relationships of natural extremes, global environmental change and human systems. A key emphasis is identification of natural and human-induced global environmental change. Case studies demonstrating societal vulnerabilities to potential hazards and disasters.
Prerequisite(s): One of Geography 2030, Geography 2300, or Geology 2060 AND Third-year standing (a minimum of 60.0 credit hours)
**GEOGRAPHY 3210**  
**Agricultural Geography**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-8  
An examination of the nature and spatial complexity of agricultural systems in advanced, market economics. The course will focus on various physical, economic, social, and institutional forces which influence the geography of agriculture. Examples and case studies will be drawn mainly from North America and Western Europe. A one-day field trip (or two half-days) may be scheduled, preferably, but not necessarily, on a Saturday.  
Prerequisite(s): One of Geography 1200 or Agricultural Studies 1000 AND Third-year standing (a minimum of 60.0 credit hours) OR Admission to the Post-Diploma B.A. or B.Sc. in Agricultural Studies.

**GEOGRAPHY 3225**  
**Management 3660**  
**Industrial Location and Globalization of Enterprise**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-8  
Industrial geography is concerned with the location of industrial activity at local, continental and global scales of analysis. The course explores locational patterns and behaviour of small, medium-sized and transnational manufacturing firms with special emphasis on locational dynamics over time. By taking a geographical perspective, the course links the spatial behaviour of firms with economic development issues at the local, regional and global scales. A one-day field trip will be scheduled.  
Prerequisite(s): One of Geography 2210 or Management 2030

**GEOGRAPHY 3230**  
**Urban Social Geography**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-12  
Internal social geography of cities. Classical and contemporary approaches to the study of neighbourhood and community differentiation, social inequalities in the city, social segregation, social polarization, and urban social structure. Intra-urban variations in morphology, land use, crime, housing, deprivation, well-being, community conflict and community organizations. A full-day field trip may be scheduled on a weekend.  
Prerequisite(s): Geography 1200

**GEOGRAPHY 3235**  
**Quantitative Models for Geographic Analysis**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Other hours: 0-0-4  
Quantitative methods applied to regional problems in both human and physical geography. Population projection, cohort survival methods, shift and share forecasts, gravity models and time series analysis will be included using local data sets. A four-hour field trip will be scheduled.  
Prerequisite(s): One of Statistics 1770 or Geography 2700 AND Third-year standing (a minimum of 60.0 credit hours)

**GEOGRAPHY 3245**  
**Urbanization in Developing Countries**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A theoretical examination of the spatial and temporal patterns of urbanization in developing countries. Topics include urban structural characteristics, urban-rural relations, regional disparities, housing, employment, and relationships between urbanization and development processes.  
Prerequisite(s): One of Geography 1200 or Geography 2000 AND Third-year standing (a minimum of 60.0 credit hours)

**GEOGRAPHY 3260**  
**The Rural-Urban Fringe**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-8  
An examination of the geographic, economic and social structure of areas near cities. Consideration of major land-use planning and resource management issues as well as public-policy responses. Review of relevant legislation and land development processes, including the role of the private sector. A one-day field trip (or two half-day trips) may be scheduled.  
Prerequisite(s): One of Geography 1200 or Agricultural Studies 1000 AND Third-year standing (a minimum of 60.0 credit hours) OR Admission to the Post-Diploma B.A. or B.Sc. in Agricultural Studies.  
Equivalent: Geography 3850 (The Rural-Urban Fringe) (prior to 2015/2016)

**GEOGRAPHY 3300**  
**Microclimatology**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Climatology of the planetary boundary layer. An examination of the dynamic exchanges of radiation, energy, water, and carbon at the Earth-atmosphere interface. Topics addressed include: surface radiation balance; latent and sensible heat flux; air pollution in the boundary layer; carbon dynamics in agricultural and natural ecosystems; and implications of atmospheric change on land-atmosphere interactions and tropospheric climate.  
Prerequisite(s): Geography 2300  
Equivalent: Geography 3015 (prior to 2010/2011)

**GEOGRAPHY 3400**  
**Hydrology I**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
An introduction to hydrology. Components of the hydrological cycle, processes of water movement and storage, introduction to drainage basin form and process.  
Prerequisite(s): Geography 2300 AND Geography 2700 AND One of Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science
**GEOGRAPHY 3551/ MANAGEMENT 3551**

**An Introduction to Tourism**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course provides an overview of tourism with an emphasis on socially and environmentally sustainable tourism. Topics covered include the nature and scope of tourism, public policy, tourism and economic development, tourism marketing, tourism impacts, aboriginal tourism, and ecotourism.  
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

**GEOGRAPHY 3605**

**The Changing Geography of China**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
The evolving social, political and economic landscape of China. Development strategies and their effects on agriculture, population, industry, urbanization, city planning and the environment since 1949. Special attention paid to the post-reform market transformation, the interconnected development trajectories shaping urban and rural areas, and the changing role of China in the global political economy sphere.  
Prerequisite(s): One of Geography 1200 or Geography 2000 AND Third-year standing (a minimum of 60.0 credit hours)  
Equivalent: Geography 3850 (The Changing Geography of China) (prior to 2015/2016)

**GEOGRAPHY 3700**

**Cartography**

Credit hours: 3.0  
Contact hours per week: 3-3-0  
Theoretical principles and practical aspects of cartography. The course will cover the history of cartography; map projections; geographic data processing and generalization; cartographic design and symbolization; computer mapping.  
Prerequisite(s): One of Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science

**GEOGRAPHY 3710**

**Field Techniques in the Earth Sciences**

Credit hours: 3.0  
Contact hours per week: 3-3-0  
Principles of digital remote sensing and image analysis. Fundamentals of the electromagnetic spectrum. Analysis of the interaction of energy with the Earth and atmosphere using remote sensing systems. Computer laboratory work will involve digital image analysis with environmental applications.  
Prerequisite(s): One of Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science

**GEOGRAPHY 3720**

**Remote Sensing**

Credit hours: 3.0  
Contact hours per week: 3-3-0  
Mapping, recording and analysis of physical and cultural features in the southern Alberta landscape. Practical work to illustrate field research methodologies. Study projects will be carried out individually and in groups. Weekly field trips will be scheduled during the afternoon and may run as much as two hours beyond the lab period, especially where a considerable amount of travel time is required.  
Prerequisite(s): Geography 2700 AND One of Geography 2030 or Geology 2060

**GEOGRAPHY 3740**

**Geographical Information Systems**

Credit hours: 3.0  
Contact hours per week: 3-3-0  
Geographical data, modelling, functions, data structures, and analysis. Spatial database management systems and applications. Laboratory work involves a variety of computer applications.  
Prerequisite(s): One of Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science

**GEOGRAPHY 3750**

**GIS Applications in Human Geography**

Credit hours: 3.0  
Contact hours per week: 3-1-0  
An applied introduction to GIS in Canadian human geography. Students will be exposed to the Canadian census of population, agricultural census, and other spatial data products. Manipulation of variables, interpretation of spatial patterns and trends and hypothesis testing using these data within GIS software.  
Prerequisite(s): One of Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science

**GEOGRAPHY 3780**

**Field Research in Geography**

Credit hours: 3.0  
Contact hours per week: 3-0-0  
Review of the physical and human geography of the study area will be followed by information gathering and data analysis using geographical field techniques and equipment.  
Prerequisite(s): One of Geography 1000, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science AND Geography 1200 AND Geography 2700

Recommended Background: Major in Geography, Environmental Science, Agricultural Studies, Urban and Regional Studies, Archaeology and Geography, Computer Science and Geographical Information Science, or Remote Sensing

Equivalent: Geography 3850 (Geography Field Experience) (prior to 2012/2013)

Note: The field component of this course is mandatory and will take place during seven consecutive days prior to the start of the regular fall semester.
GEOGRAPHY 3791
Field Excursion in Human Geography (Series)
Credit hours: 3.0
Other hours: 3-0-110
Extended field studies of specified regions. Studies will include field observation, discussion and interpretation of ancient and/or current societies and economic activities and the interactions of these with past and present environments. The focus of this course will be on human geography although some physical geography will be encountered. Inasmuch as this course involves travel to or residence at remote sites, costs borne by students vary but may range up to several thousand dollars.
Prerequisite(s): Geography 1000 AND
Third-year standing (a minimum of 60.0 credit hours)
Note: Three (3) lecture hours prior to the excursion are required of all students to ensure they understand all appropriate logistical and safety information.

GEOGRAPHY 3791 - Geography 4240

GEOGRAPHY 4030
Advanced Physical Geography (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary issues in the field of physical geography. Use of geographical examples to explain the physical environment and related processes. Exploration of the dynamic field of physical geography research.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND
Additional prerequisites will be specified, including any recommended background, for individual offerings
Equivalent: Geography 3850 (Wind Science) (prior to 2010/2011)
GEOGRAPHY 4065
Irrigation Science
Credit hours: 3.0
Contact hours per week: 3-0-1
Irrigation as a contemporary agricultural practice. Studies of global, regional and local irrigation developments, soil-water-plant relationships for consumptive use of water, on-farm irrigation techniques and applications. Design of water conveyance systems, pipe and channel hydraulics. Water supplies for irrigation.
Environmental concerns and opportunities.
Prerequisite(s): One of Geography 3080 or admission to the Post-Diploma B.Sc. in Environmental Science
Equivalent: Geography 4770 (prior to 2010/2011)

GEOGRAPHY 4060
Agricultural Soil Management
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-8
Management and conservation of agricultural soils including effects of different crop management systems on soil properties. Topics include: soil fertility; soil and plant testing; commercial fertilizer; manure management; soil quality in both irrigated and dryland crop production systems; identification and management of problem soils; environmental concerns. Practical field experience is included. Two eight-hour field trips will be scheduled on Saturdays near the beginning of the fall semester for field study of different soil types.
Prerequisite(s): One of Geography 3080 or admission to the Post-Diploma B.Sc. in Environmental Science
GEOGRAPHY 4220
Advanced Economic Geography (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminar presentation of contemporary problems in economic geography.
Prerequisite(s): Geography 3225/Mangement 3660

GEOGRAPHY 4200
Project in Agricultural Geography
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
A project-based course in which students pursue a theoretically-informed research question of their own choosing. Class will collaborate on the construction of a survey instrument, which will be administered by the class at about the mid-point in the course. Results of data analysis will be presented in research seminars and a written report. One Saturday will be devoted to field work and data collection.
Prerequisite(s): Geography 3210

GEOGRAPHY 4240
Advanced Urban Geography (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminar presentation of contemporary problems in urban geography.
Prerequisite(s): Geography 3230

COURSES
COURSES

GEOGRAPHY 4400
Hydrology II
Credit hours: 3.0
Contact hours per week: 3-3-0
The hydrological cycle. Interactions of the atmosphere, surface and subsurface water systems. Hydrological modelling using geographical information systems will be a major component of lectures and laboratory exercises.
Prerequisite(s): Geography 3400 AND Geography 3740
Equivalent: Geography 4012 (prior to 2010/2011)

GEOGRAPHY 4415
Integrated Watershed Management
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-16
Management of watersheds considering natural supply and demands; and natural and human-induced change. Modelling watershed processes using GIS and basic programming is a key objective of the course. Holistic management considers upstream and downstream interactions, and the interactive role of hydrology, hydraulics, ice processes, temperature, sediment, biota and land cover. Discussions address physical, chemical and biological components in natural and altered streams. A one-day or overnight field trip through a major watershed in Alberta is typically included.
Prerequisite(s): Geography 3740
Equivalent: Geography 4015 (prior to 2010/2011)

GEOGRAPHY 4500
Contemporary Issues and Problems in Planning (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced planning courses instructed by faculty or experienced planning professionals.
Prerequisite(s): Geography 2535
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

GEOGRAPHY 4700
Advanced Computer Mapping
Credit hours: 3.0
Contact hours per week: 3-3-0
Advanced topics and concepts in analytical and computer cartography. Development, analysis and integration of multisource geographical data and databases. Algorithms for computer mapping and visualization of geographical phenomena. Laboratory work will develop applications using computer mapping software and spatial data.
Prerequisite(s): Geography 3700

GEOGRAPHY 4710
Remote Sensing Field Techniques
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-10
Field measurement for airborne and satellite image analysis. The spatial, spectral, radiometric, biophysical, ecological and morphometric properties of the Earth's surface will be measured, analysed, mapped and modelled. Field instrumentation, use, interpretation, analysis and validation as well as instruction in spectroradiometry, global positioning systems, ecological data collection, computer image analysis, and GIS will be provided. Includes field work and computer laboratory exercises.
Prerequisite(s): Geography 3720
Recommended Background: A course in data analysis
Note: May involve off-campus field work and require a field trip fee.

GEOGRAPHY 4725
Advanced Remote Sensing
Credit hours: 3.0
Contact hours per week: 3-3-0
Digital image analysis of aerial and satellite data for earth observation and studies of environmental and landuse change from local to global scales. Computer graphics and image processing in spatial, spectral and time dimensions. Data integration, classification, predictive models and fundamentals of spectroradiometry. Laboratory work will focus on digital image analysis software and applications.
Prerequisite(s): Geography 3720

GEOGRAPHY 4730
Spatial Statistics
Credit hours: 3.0
Contact hours per week: 3-3-0
An introduction to statistical methods of spatial analysis, including techniques for description, sampling, comparison, relationships and trends.
Prerequisite(s): Geography 2700 AND Geography 2735, admission to the Post-Diploma B.Sc. in Environmental Science, or admission to the Post-Diploma B.Sc. in Geography, with a Concentration in Geographical Information Science
Equivalent: Geography 3730 (prior to 2010/2011)

GEOGRAPHY 4740
Advanced Geographical Information Systems
Credit hours: 3.0
Contact hours per week: 3-3-0
Advanced and applied topics in geographical information science, with a focus on spatial analysis, data visualization, geographical problem solving, and new directions. GIS projects will be emphasized.
Prerequisite(s): Geography 3740

GEOGRAPHY 4750
Glacial Processes, Measurements, and Models
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-8
Physical theories, measurement techniques, and models that are currently used to describe glacial processes and analyse glaciers and ice sheets. Topics include glacier monitoring; ice dynamics; conceptual, analytical and numerical models of glacial processes; and remote sensing and GIS analysis of ice masses. One eight-hour field excursion will be scheduled on a Saturday.
Prerequisite(s): Geography 2030 AND Geography 3720
Recommended Background: Geography 3060
GEOGRAPHY 4751
Project in Spatial Modelling
Credit hours: 3.0
Contact hours per week: 3-0-0
A project-based course examining spatial patterns and processes using an array of advanced spatial-analytical techniques including Geographical Information Systems. Simulation, prediction, and diffusion of various phenomena and spatial structures through geographic space and over time. Applications to encompass the breadth of geography's subfields and related areas of study.
Prerequisite(s): One of Geography 3720 or Geography 3740

GEOGRAPHY 4753
Seminar in Remote Sensing
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary issues in remote sensing and image analysis. Advanced approaches to classification, modelling, change detection and scaling. The role of remote sensing science in integrated studies of global change. Research and new directions.
Prerequisite(s): Geography 4725
Recommended Background:
Two undergraduate courses in remote sensing or related areas, including one at the 3000/4000 level
Substantially Similar: Geography 4753

GEOGRAPHY 4751
Project in Spatial Modelling
Credit hours: 3.0
Contact hours per week: 3-0-0
A project-based course examining spatial patterns and processes using an array of advanced spatial-analytical techniques including Geographical Information Systems. Simulation, prediction, and diffusion of various phenomena and spatial structures through geographic space and over time. Applications to encompass the breadth of geography's subfields and related areas of study.
Prerequisite(s): One of Geography 3720 or Geography 3740

GEOGRAPHY 4753
Seminar in Remote Sensing
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary issues in remote sensing and image analysis. Advanced approaches to classification, modelling, change detection and scaling. The role of remote sensing science in integrated studies of global change. Research and new directions.
Prerequisite(s): Admission to the M.A. or M.Sc. program
Recommended Background:
Two undergraduate courses in remote sensing or related areas, including one at the 3000/4000 level
Substantially Similar: Geography 4753

GEOGRAPHY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND a cumulative GPA of 3.30 or higher AND An Independent Study (3990) in Geography or Geology
Prerequisite(s): Admission to the M.A. or M.Sc. program
Equivalent: Geography 5850 (Graduate Research Methods) (prior to 2011/2012)

GEOLOGY 2060
Physical Geology
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-8
Origin, composition and structure of the earth; identification of common rocks and mineral resources; evolution of the surface features of continents and ocean basins. A one-day field trip will be scheduled on a Saturday.
Prerequisite(s): Geography 1000

Note: Geology courses are offered by the Department of Geography.
GERMAN 1000 - Health Sciences 1010

GERMAN 1000
Beginners' German I
Credit hours: 3.0
Contact hours per week: 3-2-0
Fundamentals of spoken and written German. Use of the language laboratory.

GERMAN 1100
Beginners' German II
Credit hours: 3.0
Contact hours per week: 3-2-0
Continuation of German 1000
Prerequisite(s): One of German 1000 or [German 10, 20, or equivalent] AND A satisfactory grade in the mandatory placement test

GERMAN 1500
Intermediate Language I
Credit hours: 3.0
Contact hours per week: 3-1-0
Development of language skills; oral expression, listening comprehension, reading and writing. Use of the language laboratory.
Prerequisite(s): One of German 1100 or [German 30, 31, or equivalent] AND A satisfactory grade in the mandatory placement test

GERMAN 2000
Intermediate Language II
Credit hours: 3.0
Contact hours per week: 3-1-0
The finer points of grammar; refinement of writing style, further training in the skills of speaking, reading and listening comprehension. Use of the language laboratory.
Prerequisite(s): German 1500

GERMAN 2200
Post-War Culture and Civilization
Credit hours: 3.0
Contact hours per week: 3-0-0
Text and film-based study of aspects of German post-war culture and civilization.
Prerequisite(s): German 1500

GERMAN 2250
German Immersion
Credit hours: 3.0
Other hours: Immersion in a German milieu Academic and living experiences in a German milieu. Institution to be approved by the Department. For students taking part in the German Visiting Student Programme only.
Prerequisite(s): Two German courses (6.0 credit hours) at the 2000 level with a minimum ‘C’ grade in each
Grading: Pass/Fail

GERMAN 2300
Introduction to German Literature
Credit hours: 3.0
Contact hours per week: 3-0-0
Improvement of reading skills in the German language. Appreciation and understanding of German literature; its relation to life.
Prerequisite(s): German 1500

GERMAN 3000
Advanced Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Structural and stylistic refinements of German.
Prerequisite(s): German 2000

GERMAN 3300
German Literature and Culture (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Aspects of German Literature and Culture.
Prerequisite(s): Two German courses (6.0 credit hours) at the 2000 level or above

GERMAN 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher

GREEK 1200
Elementary Biblical Greek I
Credit hours: 3.0
Contact hours per week: 3-0-0

GREEK 1300
Elementary Biblical Greek II
Credit hours: 3.0
Contact hours per week: 3-0-0
Continuation of grammar and syntax. Reading in the Old and New Testaments.
Prerequisite(s): Greek 1200

HEALTH SCIENCES 1010
Personal Health and Wellness
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical exploration of health and wellness constructs from a personal perspective. Exploration of principles, practices and issues related to health, with a particular emphasis on increasing awareness, knowledge, health literacy, and various conceptualizations of health behaviour.
HEALTH SCIENCES 1170
Human Development Across the Lifespan
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of human growth and psychological development across the lifespan. Overview of the interplay of biological, sociological and psychological forces in human development.

HEALTH SCIENCES 2003/
BIOLOGY 2003
Epidemiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Scope and application of epidemiology in relation to factors that affect health and contribute to disease in a global context.
Prerequisite(s): One of Biology 1010 or admission to the Faculty of Health Sciences
Equivalent: Health Sciences 3003/Biology 3003 (prior to 2010/2011)

HEALTH SCIENCES 2300
Introduction to Aboriginal Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of factors and issues that impact the health status of Native people with an emphasis on Aboriginal Canadian perspectives.
Prerequisite(s): One course (3.0 credit hours) in Addictions Counselling, Health Sciences, Nursing, or Public Health

HEALTH SCIENCES 2310
Human Nutrition
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of the basic elements of foods and human nutrition based on elementary principles of biology and biochemistry. Nutritional requirements, the function and metabolism of nutrients, and the practical means for achieving adequate nutrition will be emphasized. Changes caused by colonialism and the Western impact on current health issues for Aboriginal people will be addressed.
Prerequisite(s): Completion of five courses (15.0 credit hours)
Equivalent: Health Sciences 2850 (Human Nutrition) (prior to 2012/2013)

HEALTH SCIENCES 2400
Medical Microbiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Biology and pathogenesis of bacteria, viruses, prions and parasites and their threat to human and animal survival and health.
Prerequisite(s): Biology 1010 OR Permission from the Faculty of Health Sciences

HEALTH SCIENCES 2450/
HISTORY 2450
Evolution of Health and Illness Care
Credit hours: 3.0
Contact hours per week: 3-0-0
This course examines the evolution of health and illness care in Canada over four centuries, with an emphasis on the 20th Century. It emphasizes the historical development of medicine, nursing, social work, pharmacy, and public health as interrelated yet distinct spheres of practice. It also looks at how particular historical events and movements (Spanish Flu epidemic, World Wars I and II, modern hospital movement) helped to shape how Canadians perceive and provide illness and health care.
Prerequisite(s): One course (3.0 credit hours) in History, Nursing, or Health Sciences

HEALTH SCIENCES 2600/WOMEN AND GENDER STUDIES 2100
Women and Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Concerns of women in health and illness are explored in relation to current formal and informal health care practices.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Health Sciences 2600/Women’s Studies 2100 (prior to 2012/2013)

HEALTH SCIENCES 2700/SOCIOLOGY 2700
Health and Society
Credit hours: 3.0
Contact hours per week: 3-0-0
Sociological perspectives on health and wellness within Canadian and global contexts. The relationship between social organization and health; social constructions and meanings of health; social epidemiology; health beliefs and behaviour; and the experience of illness.
Prerequisite(s): Sociology 1000

HEALTH SCIENCES 2806/
BIOLOGY 2806
Immunology
Credit hours: 3.0
Contact hours per week: 3-0-0
Biological role of immunity and natural resistance.
Prerequisite(s): One of Biology 1010 or admission to the Faculty of Health Sciences
Equivalent: Health Sciences 4806/Biology 4806 (prior to 2010/2011)

HEALTH SCIENCES 3002
Health Promotion
Credit hours: 3.0
Contact hours per week: 3-0-0
An interdisciplinary examination of health promotion at individual, group, organizational, and population levels. Theories, models, approaches, strategies and evidence of best practices are examined. Canadian health promotion history is reviewed and major shifts in approach are considered in relation to changes in public policy and the social, economic, and political contexts.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Substantially Similar: Addictions Counselling 3002

HEALTH SCIENCES 3100
Health Management and Leadership
Credit hours: 3.0
Contact hours per week: 3-0-0
An interdisciplinary approach to the management and leadership of health organizations. Explores structures, contexts, and processes basic to managing in health care settings.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Equivalent: Health Sciences 3850 (Health Management and Leadership) (prior to 2015/2016)

HEALTH SCIENCES 3125
Pain Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Explores the concept of ‘total suffering’ and factors which influence the individual’s pain experience. Includes the physiological basis for symptom manifestation. Strategies for assessment and interventions, both pharmacologic and non-pharmacologic, will be examined. Quality of life issues will be debated.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
HEALTH SCIENCES 3127  
Loss, Grief and Bereavement  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Explores major theories and relevant concepts surrounding grief experiences across the lifespan. Particular attention is given to individual strategies for accommodation of various types of loss. A variety of grieving responses will be examined as well as the concept of 'hopefulness' in making sense of the loss experience.  
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)

HEALTH SCIENCES 3300  
Traditional Aboriginal Health Concepts  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The history, evolution and relevance to contemporary health care and health issues of traditional beliefs. Particular emphasis is placed on an examination of Aboriginal peoples of North America.  
Prerequisite(s): Health Sciences 2300

HEALTH SCIENCES 3310  
Contemporary Issues in Aboriginal Health  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A n in-depth examination of contemporary issues in Aboriginal health including community planning, major health issues, government policy, Aboriginal control of health care, human resource development, alternative models of delivery, and environmental issues.  
Prerequisite(s): Health Sciences 2300

HEALTH SCIENCES 3331  
Co-op Work Placement I  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Admission to the Co-operative Education program  
Grading: Pass/Fail

HEALTH SCIENCES 3332  
Co-op Work Placement II  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Health Sciences 3331  
Grading: Pass/Fail

HEALTH SCIENCES 3333  
Co-op Work Placement III  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Health Sciences 3332  
Grading: Pass/Fail

HEALTH SCIENCES 3334  
Co-op Work Placement IV  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Health Sciences 3333  
Grading: Pass/Fail

HEALTH SCIENCES 3335  
Co-op Work Placement V  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Health Sciences 3334  
Grading: Pass/Fail

HEALTH SCIENCES 3336  
Co-op Work Placement VI  
Credit hours: 0.0  
A non-credit work placement for students in the Faculty of Health Sciences. Students will gain experience in their chosen field of specialization.  
Prerequisite(s): Health Sciences 3335  
Grading: Pass/Fail

HEALTH SCIENCES 3450/ 
PSYCHOLOGY 3450  
Applied Statistics for Clinical Practice  
Credit hours: 3.0  
Contact hours per week: 3-1-0  
Traditional application of descriptive and inferential statistical techniques used in applied disciplines such as health sciences and clinical psychology. Topics include choosing statistical tests, data entry and coding, parametric and non-parametric tests, correlation, chi-square, t-tests, ANOVA, interpretation of statistical tests, statistical significance versus clinical significance, and clinical implications of statistical testing.  
Prerequisite(s): Two courses (6.0 credit hours) at the 2000 level or higher in Addictions Counselling, Health Sciences, Neuroscience, or Psychology  
OR  
Third-year standing (a minimum of 60.0 credit hours)

HEALTH SCIENCES 3500/ 
MANAGEMENT 3825  
Information in Health Care  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to how information is created, utilized and disseminated within the health care realm. Content areas include information systems theory, examination of existing health systems, and the Lethbridge and Canadian Health care context.  
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)  
Note: This course will be presented primarily online.

HEALTH SCIENCES 3560/ 
HISTORY 3560  
History of Nursing: Women and the Care of the Sick  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course examines the development of Canadian nursing from its religious roots in 17th-Century Quebec to the modern hospital movement of the 20th Century. It emphasizes ways in which politics, gender, race and religion helped to shape nursing into a predominantly hospital-based profession comprised of white women, and looks at the efforts of men and minority women to earn a place in nursing in Canada and elsewhere.  
Prerequisite(s): One course (3.0 credit hours) in Health Sciences, Nursing, or History
HEALTH SCIENCES 3570/PSYCHOLOGY 3570
Contemporary Issues in Mental Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Mental health issues, including mental health research, the mental health care system, the nature of mental health, the DSM diagnostic system, the interplay between the pharmaceutical industry and the mental health care system, gender issues, mental health treatments, the role of trauma in mental health, and various specific mental health concerns such as depression, anxiety, schizophrenia, ADHD and eating disorders.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Psychology, Neuroscience, or Health Sciences OR Third-year standing (a minimum of 60.0 credit hours)

HEALTH SCIENCES 3700
Gambling
Credit hours: 3.0
Contact hours per week: 3-0-0
A study of all aspects of gambling: history; worldwide availability; types; mathematics and odds of different games; gambling regulation; social and economic effects of gambling; and the assessment, causes, and treatment of problem gambling.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)

HEALTH SCIENCES 3750
Addictions and Youth
Credit hours: 3.0
Contact hours per week: 3-0-0
Explores youth involvement in the use and abuse of a range of substances, and the approaches to prevention and intervention which are used in addressing these problems.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 3850 (Addictions and Youth) (prior to 2013/2014)
Note: This is an online course.

HEALTH SCIENCES 3760
DSM Interventions
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to psychiatric assessment, diagnostic processes, and the major mental illnesses identified in the DSM. Exploring their learning interests in this topic area, students will contribute to and benefit from the learning of their peers by participating in online discussions.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 3850 (DSM Interventions) (prior to 2014/2015) and Health Sciences 3850 (Advanced Psychiatric Interviewing) (prior to 2014/2015)
Note: This is an online course.

HEALTH SCIENCES 3800
Teaching and Learning for Health Professions
Credit hours: 3.0
Contact hours per week: 3-0-0
The focus of this course is on developing an understanding of teaching and learning theories and how these can be used to enhance learning and education for the health professions.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 4850 (Teaching and Learning for Health Professions) (prior to 2012/2013)

HEALTH SCIENCES 3802
Gerontology
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of aging from a biopsychosocial perspective. Introduction to topics related to the phenomenon of population aging, aging theory, aging research, older adult health promotion, psychology, health care delivery, aging stereotypes, retirement, caregiving and issues associated with the end of life.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Equivalent: Health Sciences 4850 (Health, Illness and Cultural Communication in Malawi) (prior to 2014/2015)

HEALTH SCIENCES 3860
Men's Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Physical, mental, emotional, social and spiritual aspects of men's lives are explored, including the impact of the family, community, society, institutions, and the environment on the health of men.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Health Sciences 3850 (Men's Health) (prior to 2009/2010)

HEALTH SCIENCES 4350
Practicum in Aboriginal Health
Credit hours: 15.0
Contact hours per week: 0-0-0
Other hours: 0-0-382
Students participate in a full-time fieldwork experience in an Aboriginal health environment (Reserve, school system, etc.).
Prerequisite(s): Health Sciences 2300 AND Health Sciences 3310 AND Completion of 25 courses (75.0 credit hours)
Grading: Pass/Fail

HEALTH SCIENCES 4500/FINE ARTS 4500
Global Health, Fine Arts, and Social Change
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will introduce students to the creation of social change using the arts as a strategy to address global health challenges, with an emphasis on sub-Saharan Africa. Students will examine contextual aspects of and influences on health and health care. Students will gain basic skills and experience in selected fine arts (e.g., theatre, music) and will explore their application to culturally safe health promotion initiatives.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Health Sciences 4850 (Health, Illness and Cultural Communication in Malawi) (prior to 2014/2015)
HEALTH SCIENCES 4510/FINE ARTS 4510  
Global Health and Arts for Change Field Study  
Credit hours: 3.0  
Other hours: 0-0-120  
Students will spend approximately four weeks in Malawi, a Southern African country, where they will interact with health care providers and community members in rural and urban areas to gain firsthand knowledge and understanding of the social, political, human rights, cultural and economic influences that contribute to the health status of Malawian citizens. Students will assist with the development and implementation of arts-based primary health care strategies to address these health concerns. Students will also have the opportunity to reflect on their roles and responsibilities related to global citizenship.  
Prerequisite(s): Health Sciences 4500/Fine Arts 4500  
Equivalent: Health Sciences 4850 (Field Experience: Health, Illness and Cultural Communication in Malawi) (prior to 2014/2015)

HEALTH SCIENCES 5100  
Research Methods  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Students are offered an in-depth examination and comparison of qualitative, quantitative and mixed methods designs. Specific areas emphasized in the course include: evidence justifying the research enterprise; developing research questions and hypotheses as appropriate; establishing a research design; reviewing data analysis; and understanding knowledge translation. Students will have the opportunity to apply their course-acquired knowledge of research designs toward their thesis, i.e., conduct a literature review and development of methodology.  
Prerequisite(s): Admission to a graduate program  
Equivalent: Health Sciences 5850 (Research Methods) (prior to 2011/2012)

HEALTH SCIENCES 5200  
Philosophy of Inquiry  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Students are exposed to perspectives in philosophy of science. Students will explore ways in which philosophies underpin methods of inquiry and knowledge development. The focus will be on assisting students to discover and articulate the philosophies (values, beliefs and assumptions) that inform the development of their individual, emerging research projects.  
Prerequisite(s): Admission to a graduate program  
Equivalent: Health Sciences 5850 (Philosophy of Inquiry) (prior to 2011/2012)

HEALTH SCIENCES 5300  
Advanced Statistics  
Credit hours: 3.0  
Contact hours per week: 3-2-0  
This course addresses descriptive statistics and statistical inference followed by a comprehensive study of statistical tests appropriate for most types of research questions and data sets. By the end of the course students will have fluency in univariate and multivariate tests, parametric and non-parametric tests, and the application of SPSS for statistical testing.  
Prerequisite(s): Admission to a graduate program  
Recommended Background: Completion of an undergraduate Statistics course within the last five years AND Basic computer literacy  
Equivalent: Health Sciences 5850 (Advanced Statistics) (prior to 2011/2012)  
Substantially Similar: Health Sciences 5850 (Statistics in Health Sciences Research) (prior to 2011/2012)

HEALTH SCIENCES 5400  
Advanced Qualitative Analysis  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Major theoretical and philosophical aspects of various qualitative methodologies such as phenomenology, hermeneutics, narrative, ethnography, and grounded theory will be discussed. Each student will generate a qualitative research proposal.  
Prerequisite(s): Admission to a graduate program  
Equivalent: Health Sciences 5850 (Advanced Qualitative Analysis) (prior to 2011/2012)
HISTORY 1200
World History
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of developments in world history. Emphasis on continuity and change in the context of society, politics, government, economics, culture, diplomacy and war. Substantially Similar: History 1000

HISTORY 2001
Main Themes in Ancient History
Credit hours: 3.0
Contact hours per week: 3-0-0
The world of the Greek city-states and of the Roman Empire, from 700 B.C. to A.D. 250. Origins of complex urban societies. Main political and economic forces in their development. Significance of belief, literature and art.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2100
Main Themes in Medieval European History
Credit hours: 3.0
Contact hours per week: 3-0-0
The main themes in the history and historiography of medieval Europe, from the fall of the Roman Empire until the end of the Hundred Years’ War. Topics include the fall of Rome and the rise of Christianity, the concepts of feudalism and renaissance, the crusades, scholasticism, “courtly love” and chivalry, the Black Death and the development of national monarchies.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2102
Early Modern Europe - 1500-1750
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2150
The Politics of Europe - 1750-1914
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2222
History in Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the practice, writing and interpretation of history. Includes learning skills such as constructing historical research topics, locating and exploiting sources, research methods, and organizing subject matter. Thesis development, critical thinking and observational analysis are also goals of this course.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2290
Main Themes in East Asian History
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected aspects of the historical development of East Asia, mainly of China and Japan: from the Hsia/Shang to Ch’ing Dynasties in China; from the Nara through Tokugawa periods in Japan; patterns of modernization in both countries since the mid-19th Century.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2300
Latin America
Credit hours: 3.0
Contact hours per week: 3-0-0
A social, cultural, political, religious, economic and ethnographic history of Latin America from pre-Columbian times to the present.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2450/HEALTH SCIENCES 2450
Evolution of Health and Illness Care
Credit hours: 3.0
Contact hours per week: 3-0-0
This course examines the evolution of health and illness care in Canada over four centuries, with an emphasis on the 20th Century. It emphasizes the historical development of medicine, nursing, social work, pharmacy, and public health as interrelated yet distinct spheres of practice. It also looks at how particular historical events and movements (Spanish Flu epidemic, World Wars I and II, modern hospital movement) helped to shape how Canadians perceive and provide illness and health care.
Prerequisite(s): One course (3.0 credit hours) in History, Nursing, or Health Sciences

HISTORY 2500
Themes in British Social and Political History
Credit hours: 3.0
Contact hours per week: 3-0-0
Social, economic and political development in Britain from the Norman Conquest to the 20th Century.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History
HISTORY 2600
Main Themes in the History of the United States
Credit hours: 3.0
Contact hours per week: 3-0-0
From colonial origins through the United States as a 20th-century world power. Persistent themes, such as individualism, representative democracy, mission, capitalism, and ethnocentrism.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2710
Canada to 1867
Credit hours: 3.0
Contact hours per week: 3-0-0
Political, economic and social development in the era of New France and British North America, the prelude to Confederation.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2720
Canada Since 1867
Credit hours: 3.0
Contact hours per week: 3-0-0
Political, economic, and social development in the Confederation era and the 20th Century.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 2800
History of Women
Credit hours: 3.0
Contact hours per week: 3-0-0
History of women in ancient and early modern Europe. The impact of the Scientific Revolution, the Enlightenment, industrialization, urbanization and revolution on the lives of women in both the European and American context.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 3007
Greek and Roman Mythology
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the major myths of ancient Greece and Rome. The myths will not be treated in isolation but will be examined in the context of ancient Greek culture as a whole: the relationship of myth to contemporary religion, philosophy, and literature. In addition, some of the theories and interpretations of classical mythology which have been put forward in modern era will be discussed.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 3100
Greek and Roman Antiquity (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
The Greek and Roman World in antiquity. Offerings may include The Ancient Greek City States, The Hellenistic Age, The Roman Revolution, and The Later Roman Empire.
Prerequisite(s): History 2001
Equivalent: History 3850 (The Hellenistic Age) (prior to 2010/2011) is equivalent to the same offering in the History 3100 Series

HISTORY 3103
The Crusades
Credit hours: 3.0
Contact hours per week: 3-0-0
The origins, course and effects of the Crusading Movement as an expression of Western culture and society in the high Middle Ages. Primary emphasis will be on Crusading in the East, although Northern, Spanish and internal Crusades will also be considered.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 3152
Modern Germany
Credit hours: 3.0
Contact hours per week: 3-0-0
Political, economic, social, and cultural history of Germany, from 1780 to the present day.
Prerequisite(s): History 2150

Substantially Similar: Women's Studies 3040 (Witchcraft: The Devil in a Woman's Body) (prior to 2009/2010);
Women and Gender Studies 3040 (Witchcraft: The Devil in a Woman's Body)
HISTORY 3402
The Reformation
Credit hours: 3.0
Contact hours per week: 3-0-0
Major themes and developments of the Reformation, 1517-1648.
Prerequisite(s): One of History 1000, History 1200, Religious Studies 2500, or a previous course (3.0 credit hours) in History

HISTORY 3501
Early Modern Britain
Credit hours: 3.0
Contact hours per week: 3-0-0
The prevalent social, political, economic and religious themes in England, Scotland, and Wales from 1485-1707.
Prerequisite(s): One of History 1000, History 1200, or a previous course (3.0 credit hours) in History

HISTORY 3560/HEALTH SCIENCES 3560
History of Nursing: Women and the Care of the Sick
Credit hours: 3.0
Contact hours per week: 3-0-0
This course examines the development of Canadian nursing from its religious roots in 17th-Century Quebec to the modern hospital movement of the 20th Century. It emphasizes ways in which politics, gender, race and religion helped to shape nursing into a predominantly hospital-based profession comprised of white women, and looks at the efforts of men and minority women to earn a place in nursing in Canada and elsewhere.
Prerequisite(s): One course (3.0 credit hours) in Health Sciences, Nursing, or History

HISTORY 3602
The United States from 1877 to the Present
Credit hours: 3.0
Contact hours per week: 3-0-0
A social and political history of the United States from the post-Civil War period to the present. Major themes will include reform movements, cultural developments, America as a world power, and the relationship between the individual and the state.
Prerequisite(s): History 2600

HISTORY 3604
The History of the U.S. West
Credit hours: 3.0
Contact hours per week: 3-0-0
A history of the United States West from pre-European contact to the present. Themes include pop culture representations, native-white relations, racial and religious diversity, and the growth of the state in the Trans-Mississippi West.
Prerequisite(s): One of History 1000 or History 1200 AND One course (3.0 credit hours) in History at the 2000 level
Recommended Background: History 2600
Equivalent: History 3850 (The American West) (prior to 2012/2013); History 3850 (Race and Gender in the American West) (prior to 2012/2013)

HISTORY 3606
The World at War - 1914-1945
Credit hours: 3.0
Contact hours per week: 3-0-0
The purpose of this course is to consider the global consequences - political and cultural - of the decline of the old European order in the period 1914-1945. The course deals, above all else, with conflict between the Great Powers, but also conflict between the Great Powers and the Third World. Topics addressed include such traditional topics as the impact of the Great War on the European 'balance of power' and the origins of the Second World War, as well as issues such as the rise of nationalist movements in the Third World.
Prerequisite(s): Two courses (6.0 credit hours) in History

HISTORY 3703
History of Western Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
The social, political and economic development of the four western provinces, from pre-contact to the late twentieth century.
Prerequisite(s): History 2720

HISTORY 3707
Canada Since 1939
Credit hours: 3.0
Contact hours per week: 3-0-0
A social and political history concentrating on the period 1939-1980s. Factors of identity, including gender, ethnicity, culture and the family, will be considered, particularly in the context of state regulation.
Prerequisite(s): History 2720

HISTORY 3708
History of Atlantic Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
This course surveys the Atlantic Canadian region from the arrival of Europeans, through its entry into Confederation, and into the late 1940s. It focuses on the impact of immigrant cultures, the development of a cultural mosaic, and the emergence and development of distinct provincial societies.
Prerequisite(s): One of History 2710 or History 2720

HISTORY 3750
Seminars in Ancient History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2720
Equivalent: History 2222 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 3906
Seminars in European History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2720
Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4020
Seminars in Russian History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2720
Third-year standing (a minimum of 60.0 credit hours)
HISTORY 4030
Seminars in Latin American History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2300 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4040
Seminars in East Asian History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND One of History 2250 or History 2290 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4050
Seminars in British History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2500 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4060
Seminars in American History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2600 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4070
Seminars in Canadian History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND History 2710 AND History 2720 AND One additional course (3.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4080
Seminars in Social History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND Three additional courses (9.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4090
Seminars in World History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND Three additional courses (9.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4100
Seminars in Medieval History (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): History 2222 AND One of History 2100 or History 3103 AND Two additional courses (6.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct fieldwork, text or library-based research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND A cumulative GPA of 3.50 on all History courses AND A minimum of 13 courses (39.0 credit hours) in History AND History 2222 AND One Independent Study (3.0 credit hours) in History at the 3000 or 4000 level AND Application to the Department of History
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

INTERDISCIPLINARY STUDIES (IDST)
Faculty of Arts and Science

INTERDISCIPLINARY STUDIES 2008
Japan and the Japanese (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
The Japanese world view; history, culture and society of Japan; Japan and the Western world.
INTERDISCIPLINARY STUDIES 2050
Globalization Since 1492
Credit hours: 3.0
Other hours: 18.0-0-220
Interdisciplinary survey looking at changing configurations of human interaction in the global community since 1492. Emphasis on the growth of trading systems and communications networks as driving forces of globalization.

Equivalent: Interdisciplinary Studies 2850 (Globalization since 1492) (prior to 2009/2010)

INTERDISCIPLINARY STUDIES 2600
Study Tour of Japan
Credit hours: 3.0
Other hours: 18-0-220
This course features an excursion to Japan which is associated with Hokkai-Gakuen University in Sapporo, Hokkaido. The course includes 18 hours of lectures and language training at the University of Lethbridge prior to departure. In Japan, the daily program includes lectures, language training, numerous social and cultural events, and field visits to sites of natural and cultural significance. Enriching opportunities to meet other students from varied international backgrounds and the home-stay immersion experience of living with a Japanese family are significant components of the exchange and the course.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND Application AND Interview

Recommended Background: Japanese 1000

INTERDISCIPLINARY STUDIES 3200
Genetically Engineered Machines
Credit hours: 3.0
Other hours: 8-200-0
Interdisciplinary approach combining the field of synthetic biology with other disciplines such as computational modelling, design, ethics, management (small business development), and new media. Case-driven learning environment; basic training in state-of-the-art molecular biology techniques; working with and constructing novel genetic building blocks (biobricks). The team will be organized on the lines of a technology start-up company: along with developing a genetically engineered machine, students will be involved in developing business/marketing plans and fundraising.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) AND Application to the Department of Chemistry and Biochemistry AND Successful interview

Recommended Background:
- Biochemistry 2000 OR One of Biology 30, Chemistry 30, Mathematics 30-1, Pure Mathematics 30, or Science 30 and a strong interest in the course

Equivalent: Biochemistry 3850 (Genetically Engineered Machines) (prior to 2010/2011); Biochemistry 3850 (Synthetic Biochemistry - iGEM) (prior to 2010/2011)

Note: This course is only open to students selected for the University of Lethbridge sponsored team participating in the International Genetically Engineered Machines competition (iGEM) held annually (October) at the Massachusetts Institute of Technology (MIT). For further details contact the Department of Chemistry and Biochemistry.
The course requires eight hours of orientation lectures and 200 hours in the laboratory. Student selection is based on the assumption that, upon completion of the course, students will participate in the iGEM competition.

Note: This course features an excursion to Japan which is associated with Hokkai-Gakuen University in Sapporo, Hokkaido. The course includes 18 hours of lectures and language training at the University of Lethbridge prior to departure. In Japan, the daily program includes lectures, language training, numerous social and cultural events, and field visits to sites of natural and cultural significance. Enriching opportunities to meet other students from varied international backgrounds and the home-stay immersion experience of living with a Japanese family are significant components of the exchange and the course.

Interdisciplinary investigation of the dynamics of globalization; special emphasis on theories of interaction among peoples, political economies and cultures; case studies examine relationships between change and continuity, the particular and the universal, the relative and the absolute in global transformations.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

Equivalent: Interdisciplinary Studies 3850 (Money, Culture, and Globalization) (prior to 2009/2010)

Note: Japanese courses are offered by the Department of Modern Languages.

JAPANESE 1000
Beginners' Japanese I
Credit hours: 3.0
Other hours: 3-2-0

Note: Students with little or no knowledge of Japanese.

All students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.

Credit for Japanese 1000 will not normally be granted to students with Japanese 30, or equivalent.

Students may be able to take this course for credit with permission of the Department of Modern Languages if high school Japanese courses were completed more than five years ago.

JAPANESE 1100
Beginners' Japanese II
Credit hours: 3.0
Other hours: 3-2-0
Continuation of Japanese 1000.

Prerequisite(s): One of Japanese 1000 or Japanese 30

Note: Students with Japanese 30 must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.

Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

JAPANESE 1500
Intermediate Language I
Credit hours: 3.0
Other hours: 3-1-0
Development of language skills; oral expression, listening comprehension, reading and writing. Use of the language laboratory.

Prerequisite(s): Japanese 1100

Note: Students may be asked to complete a placement test.

Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.
Japanese 2000 - Kinesiology 3100

JAPANESE 2000
Intermediate Language II
Credit hours: 3.0
Contact hours per week: 3-1-0
Further development of language skills; oral expression, listening comprehension, reading and writing. Use of the language laboratory.
Prerequisite(s): Japanese 1500

Note: Students may be asked to complete a placement test. Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

JAPANESE 3001
Advanced Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Further training in the skills of speaking, reading, writing and listening comprehension.
Prerequisite(s): Japanese 2000

Note: Students may be asked to complete a placement test. Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

KINESIOLOGY 1000
Wellness and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-2-0
Physical, social and psychological aspects of personal wellness emphasizing involvement in physical activity.

KINESIOLOGY 2110
Biophysical Perspectives
Credit hours: 3.0
Contact hours per week: 3-0-0
This course uses a multidisciplinary approach to examine the capacities of human movement by means of knowledge contained within and between exercise physiology, motor control, and biomechanics.

KINESIOLOGY 2130
Humanities Perspectives
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of historical, philosophical and literary perspectives of physical activity involvement.

KINESIOLOGY 2140
Psychological Perspectives
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of psychological perspectives of physical activity involvement related to groups and individuals.
Substantially Similar: Kinesiology 2120 (prior to 2011/2012)

KINESIOLOGY 2150
Sociological Perspectives
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to sociological thinking about sport and physical activity. Explores the relation of sport and physical activity to the social and cultural contexts in which we live. Includes an introductory examination of the ways in which class, race, gender, sexuality and ability shape (and are shaped by) sport and physical activity.
Substantially Similar: Kinesiology 2120 (prior to 2011/2012)

KINESIOLOGY 2600
Functional Human Anatomy
Credit hours: 3.0
Contact hours per week: 3-2-0
A functionally-oriented approach to human anatomy with specific emphasis on the musculoskeletal system.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Recommended Background: One of Kinesiology 2110 or Biology 1010

KINESIOLOGY 2610
Human Physiology
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the function of the human body. Various systems will be examined with emphasis on the maintenance of homeostasis and the integration of functions to meet changing demands.
Prerequisite(s): Biology 1010

KINESIOLOGY 2650
Functional Biomechanics
Credit hours: 3.0
Contact hours per week: 3-0-0
Use of functional anatomical models, current research and technology from kinesiology to explore fundamentals of biomechanics in a qualitative fashion.
Equivalent: Kinesiology 2850 (Introduction to Biomechanics) (prior to 2014/2015)

KINESIOLOGY 3100
Social Constructions of the Body
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of the sociology and cultural studies of the body. Introduction to representations of the body in film and literature. Cultural metaphors of the body and illness. The body as labour and commodity in late capitalism. Body politics in relation to race, ethnicity, gender, sexuality and ability. Body modification and consumerism.
Prerequisite(s): One of Kinesiology 2150 or Sociology 1000
Equivalent: Kinesiology 3850 (Social Constructions of the Body) (prior to 2010/2011)
KINESIOLOGY 3120
The Modern Olympic Movement
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical examination of historical, sociological and current issues related to the Modern Olympic Movement and the place of the Olympics in Canadian and global culture.
Prerequisite(s): Kinesiology 2200
Equivalent: Kinesiology 2850 (Introduction to Movement Disorders) (prior to 2012/2013)

KINESIOLOGY 3200
Movement Disorders
Credit hours: 3.0
Contact hours per week: 3-0-0
Overview of the major types of movement disorders (MD). Particular emphasis on the neural correlates of MD and on the functional deficits associated with the pathology.
Prerequisite(s): Neuroscience 2600
Equivalent: Kinesiology 2670 (prior to 2014/2015); Kinesiology 2850 (Introduction to Movement Disorders) (prior to 2012/2013)

KINESIOLOGY 3300
Leadership Skills Development
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is designed with innovative and contemporary approaches to stimulating thinking and creativity about the development of individual leadership styles and behaviours. A combination of classroom and field experiences will enhance core concepts in effective leadership, group dynamics and fair play.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Kinesiology

KINESIOLOGY 3350
Recognition and Care of Athletic Injuries
Credit hours: 3.0
Contact hours per week: 3-3-0
An introduction to the mechanics of injury and the care and rehabilitation of athletic injuries. Course content will include recognition and effective management of acute and chronic injury, and various support and splinting techniques.
Prerequisite(s): Kinesiology 2600
Recommended Background: Kinesiology 2610
Equivalent: Kinesiology 2350 (prior to 2014/2015)

KINESIOLOGY 3400
History of Sport and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
From ancient times to the present with emphasis on the North American setting.
Prerequisite(s): One of Kinesiology 2130, History 1000, or History 1200

KINESIOLOGY 3450
Nutrition and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the fundamentals of nutrition for healthful living and optimal performance; nutritional requirements of persons who are physically active or competitive athletes; body composition and weight management.
Prerequisite(s): Kinesiology 2610

KINESIOLOGY 3500
Nutrition and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the fundamentals of nutrition for healthful living and optimal performance; nutritional requirements of persons who are physically active or competitive athletes; body composition and weight management.
Prerequisite(s): Kinesiology 2610

KINESIOLOGY 3510
Exercise Physiology
Credit hours: 3.0
Contact hours per week: 3-1.5-0
Examination of how the human body responds to physical stress. Physiological and metabolic responses to acute exercise stimuli as well as adaptations to long-term training.
Prerequisite(s): Kinesiology 2610
Recommended Background: Kinesiology 2600

KINESIOLOGY 3520
Motor Control
Credit hours: 3.0
Contact hours per week: 3-2-0
Examining the neural processes involved in the control and regulation of movement and posture. Specific topics include an overview of human neuroanatomy, theories of motor control, spinal mechanisms underlying movement, control of voluntary movement, posture and balance, movement disorders.
Prerequisite(s): Kinesiology 2200 AND Kinesiology 3610
Recommended Background: Kinesiology 2600

KINESIOLOGY 3530
Biomechanics
Credit hours: 3.0
Contact hours per week: 3-1.5-0
Complex movements, specialized skills and motor coordination in terms of mechanics of skeletal and muscular movements.
Prerequisite(s): Kinesiology 2600 AND Kinesiology 2650

KINESIOLOGY 3540
Sport Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Emphasis upon performance differences and performance manipulation as they can be traced to psychological constraints such as anxiety, imagery and mental rehearsal, motivation and feedback.
Prerequisite(s): Kinesiology 2200 AND Kinesiology 3610
Recommended Background: Kinesiology 2600

KINESIOLOGY 3550
Philosophy of Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination of basic philosophic questions relevant to physical education, sport and recreation with special consideration for ethical issues.
Prerequisite(s): Kinesiology 2130
Recommended Background: Philosophy 1000

KINESIOLOGY 3560
Psychology of Sport
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the processes related to sport and recreation with special consideration for ethical issues.
Prerequisite(s): Kinesiology 2130
Recommended Background: Philosophy 1000

KINESIOLOGY 3570
Sports Media and Popular Culture
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the interactions of sport, mass media and popular culture in a globalized contemporary context.
Prerequisite(s): Kinesiology 2130
Recommended Background: Philosophy 1000
KINESIOLOGY 3780 - Kinesiology 4660

KINESIOLOGY 3780
Exercise Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
An overview of the interaction of psychological factors and acute and chronic exercise participation. Exercise and the individual participant, the environment and physical activity, theoretical models of exercise involvement, and the promotion of regular exercise participation.
Prerequisite(s): Kinesiology 2200 AND Psychology 1000 AND History 2710 AND History 2720

KINESIOLOGY 4200
Health and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical examination of the role of physical activity in primary prevention of chronic disease and health promotion.
Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Kinesiology
Recommended Background: Kinesiology 2200 AND Kinesiology 3610
Equivalent: Kinesiology 4850 (Physical Activity and Health) (prior to 2010/2011)

KINESIOLOGY 4300
Work and Physical Ergonomics
Credit hours: 3.0
Contact hours per week: 3-0-0
Physical ergonomics is the evidence-based examination of anthropometric, biomechanical, and physiological factors related to safe and unsafe worker loading and workplace design. This course will examine anatomical and mechanical bases of common work-related musculoskeletal disorders and explore techniques for identifying, assessing, and preventing soft tissue injuries at work.
Prerequisite(s): Kinesiology 3650
Substantially Similar: Kinesiology 2750 (prior to 2014/2015); Kinesiology 2850 (Physical Basics of Ergonomics) (prior to 2009/2010)

KINESIOLOGY 4400
Canadian Sport History
Credit hours: 3.0
Contact hours per week: 3-0-0
The social historical examination of sport and physical activity in Canada from pre-Colonial times to the present. The place of physical recreation in Canadian Society is examined from the linked perspectives of gender, class, race and ethnicity.
Prerequisite(s): Kinesiology 3400
Recommended Background: History 2710 AND History 2720

KINESIOLOGY 4500
Aging and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of physical activity involvement of middle-aged and older adults. The course investigates both personal and societal factors that influence the adoption, adherence and/or cessation of a physically healthy lifestyle.
Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Kinesiology
Recommended Background: Kinesiology 3630

KINESIOLOGY 4550
Advanced Exercise Physiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Methods of multi-linked segment analysis used in quantitative human performance studies. Theories and applied examples related to two- and three-dimensional biomechanical modelling, technologies for motion capture, plus programming, testing, and trouble-shooting model output and biosignal integration.
Prerequisite(s): Kinesiology 3650
Substantially Similar: Kinesiology 4665 (prior to 2014/2015)

KINESIOLOGY 4610
Fitness and Lifestyle Assessment
Credit hours: 3.0
Contact hours per week: 3-3-0
Practical lab-based course that covers a wide range of exercise science laboratory methods, as well as theoretical information required to interpret test data. Foundation knowledge for professional certification through Canadian Society for Exercise Physiology.
Prerequisite(s): Kinesiology 3610
Recommended Background: Kinesiology 3780

KINESIOLOGY 4615
Advanced Exercise Physiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Detailed understanding of the physiological processes that regulate human exercise tolerance. Emphasis on neuromuscular fatigue mechanisms, electrophysiology, and skeletal muscle metabolism. Adaptations to hypoxic conditions.
Prerequisite(s): Kinesiology 2200 AND Kinesiology 3610
Recommended Background: Kinesiology 2600
Equivalent: Kinesiology 3850 (Advanced Exercise Physiology) (prior to 2009/2010); Kinesiology 4850 (Advanced Exercise Physiology) (prior to 2009/2010)

KINESIOLOGY 4640
Applied Ethics in Sport and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of important ethical issues in the professional practice of physical activity, physical education and/or sport; sensitivity towards professional ethical duties; development of critical analytical skills for making ethical decisions.
Prerequisite(s): One of Kinesiology 2130 or Philosophy 1000 AND Two 3000-level courses (6.0 credit hours) in Kinesiology, Anthropology, or Sociology
Recommended Background: Kinesiology 2200 AND Kinesiology 3740

KINESIOLOGY 4660
Bioinstrumentation
Credit hours: 3.0
Contact hours per week: 3-3-0
Principles and methods for biological signal detection and processing for human motion and activity analyses. Hands-on experience with state-of-the-art bioinstrumentation and data analysis methods.
Prerequisite(s): Kinesiology 3650
KINESIOLOGY 4680
Advanced Exercise and Sport Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced topics in exercise and sport psychology. Strong emphasis will be placed on student's abilities to relate research findings to practical applications within the field.
Prerequisite(s): One of Kinesiology 3680 or Kinesiology 3780 AND Fourth-year standing (a minimum of 90.0 credit hours)
Equivalent: Kinesiology 4850 (Advanced Sport Psychology) (prior to 2011/2012)

KINESIOLOGY 4720
Gender and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of gender with a focus on how sport and physical activity reproduce, shape, and challenge constructions of femininity and masculinity. A socio-historical perspective on the relationship of sport to the cultural construction and interpretation of gender in Canadian society, and how gender operates as a central factor in the way that sport is played, organized and funded.
Consideration of the issues of, and interactions between, equity, race, ethnicity, sexualities and social class.
Prerequisite(s): Kinesiology 2150 AND Third-year standing (a minimum of 60.0 credit hours)
Recommended Background: One of Anthropology 2600, Sociology 2410, or Women and Gender Studies 1000
Equivalent: Kinesiology 4850 (Gender and Physical Activity) (prior to 2009/2010)

KINESIOLOGY 4725
Race, Ethnicity, and Physical Activity
Credit hours: 3.0
Contact hours per week: 3-0-0
The racial politics of sport and physical activity in popular culture. Key concepts in post-Colonialism, black liberation discourse, and critical multiculturalsim, all of which are applied to the context of sport and physical activity in North America.
Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Kinesiology AND Third-year standing (a minimum of 60.0 credit hours)
Recommended Background:
Kinesiology 2150 AND One course (3.0 credit hours) in Anthropology or Sociology, preferably Anthropology 2510 or Sociology 1000
Equivalent: Kinesiology 4850 (Race/Ethnicity and Physical Activity) (prior to 2011/2012)

KINESIOLOGY 4900
Interdisciplinary Research Dialogues
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminor-based 'capstone' course. Research questions and conventions from across the disciplines (Humanities, Science, and Social Science) in Kinesiology. Emphasis is on creating productive research dialogues within and between students, faculty and diverse disciplinary approaches to the field.
Prerequisite(s): Kinesiology 2200 AND Third-year standing (a minimum of 60.0 credit hours)
Recommended Background: One of Anthropology 2600, Sociology 2410, or Women and Gender Studies 1000
Equivalent: Kinesiology 4850 (Gender and Physical Activity) (prior to 2009/2010)

KINESIOLOGY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Kinesiology 2200 AND Application to the Department of Kinesiology and Physical Education
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

KINESIOLOGY GRADUATE COURSES (KNES)
Faculty of Arts and Science

KINESIOLOGY 5901
Interdisciplinary Research Dialogues I
Credit hours: 0.75
Other hours: 0-0-12
Seminar-based course. Research questions and conventions from across the disciplines (Humanities, Science, and Social Science) in Kinesiology. Emphasis is on creating productive research dialogues within and between students, faculty and diverse disciplinary approaches to the field.
Prerequisite(s): Admission to the M.A. or M.Sc. program
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to four scheduled three-hour seminars over the course of the semester.
**KINESIOLOGY 5902**
Interdisciplinary Research Dialogues II
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Kinesiology 5901.
Prerequisite(s): Kinesiology 5901
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to four scheduled three-hour seminars over the course of the semester.

**KINESIOLOGY 5903**
Interdisciplinary Research Dialogues III
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Kinesiology 5902.
Prerequisite(s): Kinesiology 5902
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to four scheduled three-hour seminars over the course of the semester.

**KINESIOLOGY 5904**
Interdisciplinary Research Dialogues IV
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Kinesiology 5903.
Prerequisite(s): Kinesiology 5903
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to four scheduled three-hour seminars over the course of the semester.

**LATIN 1000**
Elementary Latin I
Credit hours: 3.0
Contact hours per week: 3-0-0
Latin grammar with exercises in translating simple sentences and texts from Latin into English.

**LATIN 1100**
Elementary Latin II
Credit hours: 3.0
Contact hours per week: 3-0-0
Completion of survey of Latin grammar, translation of elementary Latin texts selected from Caesar, Cicero and other basic authors.
Prerequisite(s): Latin 1000

**LIBERAL EDUCATION 1000**
Knowledge and Liberal Education
Credit hours: 3.0
Contact hours per week: 2-1-1
Introductory, multidisciplinary, and critical examination of knowledge, the foundation of a liberal education; broad integration of examples from Sciences, Social Sciences, Humanities, and Fine Arts. Discussion groups and labs teach basic skills (critical thinking, numeracy, oral and written communications, and research).
Note: Students who complete both Liberal Education 1000 and either Liberal Education 2000 or Library Science 2000 may reduce the General Liberal Education Requirement by one course from each of the three lists. Liberal Education 1000 alone does not fulfill any list requirement.

**LIBERAL EDUCATION 1100**
The First-Year Experience: Mapping Our Communities
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the University as a physical, social, and academic space, and to membership in new academic communities. Includes introduction to the many resources available for student support on campus, the liberal education philosophy of the University of Lethbridge, a study of how a variety of academic disciplines map out their knowledge, and career and study skills.
Equivalent: Liberal Education 1850 (The First Year Experience: Mapping Our Communities) (prior to 2015/2016); Liberal Education 2850 (The First Year Experience: Mapping Our Communities) (prior to 2015/2016); Liberal Education 2850 (Mapping Self, Career, Campus, Community) (prior to 2015/2016)
Note: This course is intended for first-year students (having completed fewer than 30.0 credit hours).

**LIBERAL EDUCATION 1200**
Problems and Puzzles
Credit hours: 3.0
Contact hours per week: 3-0-0
Problems and puzzles across a wide range of disciplines, including word problems, logic puzzles, mathematical problems, and famous problems and puzzles in history. Strategies and techniques for solving problems, including Pólya's method of problem-solving and metacognitive theories.
Equivalent: Liberal Education 2850 (Problems and Puzzles) (prior to 2012/2013)

**LIBERAL EDUCATION 1500**
Quantitative Reasoning
Credit hours: 3.0
Contact hours per week: 3-1-0
Number systems: historical development and current systems, types of numbers, operations on numbers and their properties, scientific notation, estimation; relationships between numbers: graphs and functions, rates of change, modelling quantitative data: graphical and numerical description, inference production and evaluation. Applications and examples selected from a range of disciplines. Intended for students with little or no mathematics background.

**LIBERAL EDUCATION 2000**
Identity and Liberal Education
Credit hours: 3.0
Contact hours per week: 3-0-0
Broad exploration of individual and group identities, key concepts in a liberal education; multidisciplinary and integrative perspective; examples from the Sciences, Social Sciences, Humanities, and Fine Arts. Discussion groups and labs teach higher level critical thinking, communication, and research skills.
Prerequisite(s): One of Liberal Education 1000 or four courses (12.0 credit hours) in Arts and Science
Note: Students who complete both Liberal Education 1000 and Liberal Education 2000 may reduce the General Liberal Education Requirement by one course from each of the three lists. Liberal Education 2000 alone does not fulfill any list requirement.

**LIBERAL EDUCATION 2100**
Number Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Number systems: historical development and current systems, types of numbers, operations on numbers and their properties, scientific notation, estimation; relationships between numbers: graphs and functions, rates of change, modelling quantitative data: graphical and numerical description, inference production and evaluation. Applications and examples selected from a range of disciplines. Intended for students with little or no mathematics background.

**LIBERAL EDUCATION 2200**
Problems and Puzzles
Credit hours: 3.0
Contact hours per week: 3-0-0
Problems and puzzles across a wide range of disciplines, including word problems, logic puzzles, mathematical problems, and famous problems and puzzles in history. Strategies and techniques for solving problems, including Pólya's method of problem-solving and metacognitive theories.
Equivalent: Liberal Education 2850 (Problems and Puzzles) (prior to 2012/2013)
LIBERAL EDUCATION 2400  
**Great Literature and Thought Across Disciplines: A Brief History**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Interdisciplinary integrative introduction to great literature and thought in Western civilization from the 1700s.  
Prerequisite(s): Second-year standing.  
Equivalent: Liberal Education 2850 (Great Books Across Disciplines: A Brief History) (prior to 2015/2016)  
Note: Students who complete both Liberal Education 2400 and Liberal Education 4000 may reduce the General Liberal Education Requirement by one course from each of the three lists. Liberal Education 2400 alone does not fulfill any list requirement.

LIBERAL EDUCATION 3010  
**Liberal Education (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Critical examination of significant contemporary themes; multidisciplinary and integrative perspective; broad integration of Sciences, Social Sciences, Humanities, and Fine Arts. Content varies from year to year. Offerings may include, for example, Genocide, Progress, or Friendship and Family.  
Prerequisite(s): One of Liberal Education 1000, Liberal Education 2000, or eight courses (24.0 credit hours) in Arts and Science  
Note: Students who complete both Liberal Education 3010 and Liberal Education 4000 alone does not fulfill any list requirement.

LIBERAL EDUCATION 3100  
**History of Mathematics**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A study of the major developments in mathematics from prehistory to the seventeenth century, especially the development of geometry and algebra over the centuries. Development of numbers and counting systems; early Egyptian, Babylonian, Greek, and Roman mathematics; the Arabic empire; expansion in the Middle Ages; the solution of the quartic; the invention of calculus.  
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)  
Equivalent: Liberal Education 3850 (History of Mathematics) (prior to 2012/2013)  
Substantially Similar: Mathematics 3850 (History of Mathematics) (prior to 2012/2013)

LIBERAL EDUCATION 3400  
**Great Literature and Thought Across Disciplines: The Long Conversation**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Interdisciplinary integrative introduction to great literature and thought in Western civilization from the 1700s to modern times.  
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)  
Equivalent: Liberal Education 3850 (Great Books Across Disciplines: Rise of the Modern Self) (prior to 2015/2016)

LIBERAL EDUCATION 3600/ARCHAEOLOGY 3600  
**Human Evolution**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Theories and major developments in the study of human evolution. Examination of hominid fossils and stone tools in order to understand human biological and cultural development. Contributions made by various disciplines to this research area are reviewed.  
Prerequisite(s): One of Archaeology 1000, a previous course (3.0 credit hours) in Archaeology, or Third-year standing (a minimum of 60.0 credit hours)  
Equivalent: Liberal Education 3850 (Human Evolution Across Disciplines) (prior to 2012/2013)

LIBERAL EDUCATION 4000  
**Capstone Ideas in Liberal Education**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Senior seminar; critical examination and discussion of selected readings; synthetic integration across the disciplines in Sciences, Social Sciences, Humanities, and Fine Arts. Content varies from year to year.  
Prerequisite(s): Two Liberal Education courses (6.0 credit hours)  
OR  
Third-year standing (a minimum of 60.0 credit hours)  
Note: Students who complete both Liberal Education 3010 and Liberal Education 4000 may reduce the General Liberal Education Requirement by one course from each of the three lists. Liberal Education 4000 alone does not fulfill any list requirement.

LIBRARY SCIENCE 2000  
**Library Research and Information Systems**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The conceptual framework and basic skills necessary to identify, locate and use a variety of information sources in various disciplines and types of libraries. Emphasis upon new developments and trends in information provision, including online catalogues, online databases, electronic journals and end-user searching.  
Note: Students who complete both Liberal Education 1000 and Library Science 2000 may reduce the General Liberal Education Requirement by one course from each of the three lists. Library Science 2000 alone does not fulfill any list requirement.

LINGUISTICS 2300  
**Introduction to Linguistics I: Phonetics and Phonology**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Introduction to the study of language, part one. Production and perception of speech sounds (phonetics) and sound systems (phonology) in English and other languages. Basic principles of sound change (historical phonology).

LINGUISTICS 2600  
**Introduction to Linguistics II: Morphology, Syntax and Semantics**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Introduction to the study of language, part two. Internal structure of words and word formation processes (morphology). Basic sentence and phrase structure (syntax). Analysis of word and sentence meaning (semantics).  
Prerequisite(s): Linguistics 2300
**LINGUISTICS 3400**
**First Language Acquisition**
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to first language acquisition. Topics include: research methods; phonological, morphological, syntactic, lexical and communicative development; language acquisition in special circumstances (deafness, blindness, mental retardation, autism); bilingual language acquisition.
Prerequisite(s): Linguistics 2300 AND Linguistics 2600

**LINGUISTICS 3600**
**Practical Phonetics**
Credit hours: 3.0
Contact hours per week: 2-1-0
A practical course in phonetics with an emphasis on transcription and pronunciation of the entire International Phonetic Alphabet. Topics include: the functions of the speech organs; speech production and articulation; analysis of speech sounds, stress and intonation; suprasegmental phenomena. Use of the language laboratory.
Prerequisite(s): Linguistics 2300

**LINGUISTICS 3700**
**Sociolinguistics**
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the social significance of linguistic variation, including the relation between language and social class, social mobility, social networks, age, sex and gender.
Prerequisite(s): Linguistics 2300 AND Linguistics 2600

**LINGUISTICS 4000**
**Seminars in Linguistics (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving original research on or in-depth study of topics in linguistics, or the advanced study of an individual language or language family. Offerings vary depending upon student interest and available faculty.
Prerequisite(s): Linguistics 2300 AND Linguistics 2600
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

**LOGIC**
**Faculty of Arts and Science**

**LOGIC 1000**
**Critical Thinking**
Credit hours: 3.0
Contact hours per week: 3-0-0
Logic is the general examination of arguments and the distinction between good arguments and merely good-looking arguments. Techniques, both formal and informal, are presented for evaluation of reasoning in all walks of life - in ordinary conversation, in political debates and in science. The study of logic fosters the ability to think critically and carefully in all fields of endeavour.

**LOGIC 2003**
**Symbolic Logic I**
Credit hours: 3.0
Contact hours per week: 3-0-0
An introductory course in formal techniques of argument analysis. Students will learn how to formalize arguments of English in Sentential Logic - which has important links to Boolean Algebra and Computation Theory - and apply semantic and syntactic techniques for evaluating such arguments. In addition, students will be introduced to soundness and completeness proofs for both Sentential and Predicate Logic.
Prerequisite(s): Logic 2003

**LOGIC 3003**
**Symbolic Logic II**
Credit hours: 3.0
Contact hours per week: 3-0-0
A second course in formal techniques of argument analysis. Students will learn how to formalize arguments of English in Predicate Logic and apply semantic and syntactic techniques for evaluating such arguments. In addition, students will be introduced to soundness and completeness proofs for both Sentential and Predicate Logic.
Prerequisite(s): Logic 2003

**LOGIC 3500**
**Intermediate Studies in Logic (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
The Logic 3500 series has the same function as the Logic 2500 series but at levels of study appropriate to more senior students.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

**LOGIC 4500**
**Advanced Studies in Logic (Series)**
Credit hours: 3.0
Contact hours per week: 3-0-0
The Logic 4500 series has the same function as the Logic 2500 and Logic 3500 series but at levels of study appropriate to senior philosophy or mathematics students with a strong background in logic.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

**LOGIC 4995**
**Undergraduate Thesis**
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course. This research will be presented in a report in the form of an Undergraduate Thesis which will be made publicly available and which will be the subject of an oral defence.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND A cumulative GPA of 3.50 or higher on all Logic and Philosophy courses

**Note:** Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.
MANAGEMENT 1000
Introduction to Management
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the terms, concepts, theories and values of business and management; an overview of the functional areas of business; how functional areas are integrated to achieve organizational goals. Students will develop a basic understanding of organizational decision-making—from strategic vision, to interpreting complex and often contradictory information, to implementing and monitoring plans of action—and accountability. Although a foundational course in Management that will help students explore their own career paths, the course will also better prepare all students for future workplace roles.
Substantially Similar: Management 2001 (prior to 2010/2011)

MANAGEMENT 2020
Introduction to Organizational Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the study of human behaviour in organizations. Theories of the individual, group and organization. Topics may include: Attitudes, job satisfaction, stress, motivation, leadership, conflict, globalization and organization design.
Prerequisite(s): One of Writing 1000 or a university English course (3.0 credit hours) AND Second-year standing (a minimum of 30.0 credit hours)

MANAGEMENT 2030
Introduction to Organizational Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the study of human behaviour in organizations. Theories of the individual, group and organization. Topics may include: Attitudes, job satisfaction, stress, motivation, leadership, conflict, globalization and organization design.
Prerequisite(s): One of Writing 1000 or a university English course (3.0 credit hours) AND Second-year standing (a minimum of 30.0 credit hours)

MANAGEMENT 2070/ECONOMICS 2070
Operations and Quantitative Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Management of production and service operations, including capacity planning, process and layout design, and TQM; applications of quantitative techniques like linear programming, forecasting, inventory models, waiting line models, CPM/PERT, simulations and decision theory are discussed within the operations environment.
Prerequisite(s): One of Statistics 1770 or [Health Sciences 3450/ Psychology 3450 and admission to the B.HSc./B.Mgt. Combined Degrees program] OR Admission to the Professional Diploma in Accounting
Corequisite(s): Economics 1010 AND Economics 1012 AND One of Statistics 1770 or [Health Sciences 3450/ Psychology 3450 and admission to the B.HSc./B.Mgt. Combined Degrees program]
Note: All prerequisite courses must have a minimum "C" grade.

MANAGEMENT 2100
Introductory Accounting
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the financial accounting process, including consideration of the basic concepts underlying the preparation of financial statements. Issues relating to the identification, use, measurement, interpretation and communication of financial information will be presented. The focus of Management 2100 is on external users of information about an organization.

MANAGEMENT 2400
Management Accounting
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the role of management accounting in the process of gathering and applying information used to plan, make decisions, evaluate performance and control an organization. The focus of Management 2400 is on internal users of information about the organization.
Prerequisite(s): Management 2100 AND One of Writing 1000 or a university English course (3.0 credit hours)
Corequisite(s): Economics 1010 AND Economics 1012 AND One of Statistics 1770 or [Health Sciences 3450/ Psychology 3450 and admission to the B.HSc./B.Mgt. Combined Degrees program] OR Admission to the Professional Diploma in Accounting

MANAGEMENT 2700
Research Methodology
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to quantitative and qualitative designs in management research as well as frequently-used applied statistics. Special attention to ethical concerns in research, measurement issues such as reliability and validity, and the critical assessment of research tools such as questionnaires.
Prerequisite(s): Management 2030 AND One of Psychology 2030 or Statistics 1770

MANAGEMENT 3002
Work Experience I
Credit hours: 0.0
Co-operative Education program first work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Successful application to the Co-operative Education program
Grading: Pass/Fail
MANAGEMENT 3003
Work Experience II
Credit hours: 0.0
Co-operative Education program second work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Management 3002
Grading: Pass/Fail

MANAGEMENT 3004
Work Experience III
Credit hours: 0.0
Co-operative Education program third work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Management 3003
Grading: Pass/Fail

MANAGEMENT 3005
Work Experience IV
Credit hours: 0.0
Co-operative Education program fourth work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Management 3004
Grading: Pass/Fail

MANAGEMENT 3008
Work Experience V
Credit hours: 0.0
Co-operative Education program fifth work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Management 3005
Grading: Pass/Fail

MANAGEMENT 3009
Work Experience VI
Credit hours: 0.0
Co-operative Education program sixth work term requires the Co-op student to file a written report to be graded by an assigned faculty member.
Prerequisite(s): Management 3008
Grading: Pass/Fail

MANAGEMENT 3010
Management Law
Credit hours: 3.0
Contact hours per week: 3-0-0
Legal dimensions of business and administrative practice with special emphasis on the law of contracts.

MANAGEMENT 3031
Managing Responsibly in a Global Environment
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of the forces shaping management decision-making in an organizational environment characterized by the process of globalization. The interaction of the political, legal, regulatory and social environments in which an organization operates will be assessed in relation to ethical decision-making, stakeholder management, sustainability and corporate citizenship.
Prerequisite(s): Economics 1010 AND Economics 1012 AND One of Writing 1000 or a university English course (3.0 credit hours) OR Admission to the Professional Diploma in Accounting

MANAGEMENT 3050/POLITICAL SCIENCE 3420
Human Resource Management
Credit hours: 3.0
Contact hours per week: 3-0-0
The course provides an introduction to the field of human resource management. The intent is to increase the understanding of how human resource functions are a system that contributes to the organization’s strategic objectives and how human resource management operates in a larger organizational, social and legal context through the study of topics such as job analysis/competencies, recruitment, selection, training, performance appraisal, legal issues, compensation and labour relations.
Prerequisite(s): One of Management 2030, admission to the Post-Diploma Bachelor of Management program, or one 2000-level course (3.0 credit hours) in Political Science AND One of Writing 1000 or a university English course (3.0 credit hours)

MANAGEMENT 3060
Information Systems and Management
Credit hours: 3.0
Contact hours per week: 3-0-0
A clear understanding of, and breadth of knowledge regarding, both the theoretical principles and concepts of Information Systems (IS), and the ability to apply these concepts and frameworks to today’s managerial challenges. An understanding of the role of IS in managing organizations, and in helping organizations achieve greater effectiveness. Conceptual models and practical applications of IS in organizations are featured. An introduction to business processes and how Information Technology (IT) enables businesses to function more effectively.
MANAGEMENT 3070
Introduction to Supply Chain Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Explores the design and management of supply chains to ensure the right materials arrive at the right place at the right time at minimal cost and in the right quantity and quality. Concepts such as network planning; risk pooling; supply contracts; distribution, procurement and outsourcing strategies; integration and coordination; and information technology in business processes. Special focus on purchasing including sourcing, RFP process and supplier selection. Software packages will be used to illustrate many of the concepts.
Prerequisite(s): Management 2070/ Economics 2070

MANAGEMENT 3080
Managerial Skill Development
Credit hours: 3.0
Contact hours per week: 3-0-0
Success in Management requires knowledge of both theoretical principles and the ability to recognize and use these concepts in existing work situations. Conceptual models and practical applications of managerial roles are featured in the course. Specific skills may include, but are not limited to: self-awareness, presentations, conducting meetings, creative problem solving, stress management and group dynamics.

MANAGEMENT 3091/3092
Integrated Management Experience
Credit hours: 12.0
Other hours: 81-54-0
Critical business issues are solved through the integration of management knowledge. Key ideas from the areas of international management, information systems, management of human resources, organizational theory, and legal/social issues are integrated. Students develop an integrative approach to management and the ability to communicate, utilize creative skills and adopt behavioural flexibility.
Prerequisite(s): Successful application to the Integrated Management Experience (IME) course (Management 3091 is a prerequisite for admission to Management 3092 in the following semester) AND Economics 1010 AND Economics 1012 AND Management 2030 OR Admission to the post-diploma Bachelor of Management program Corequisite(s): Management 3040 or equivalent AND One of Writing 1000 or a university English course (3.0 credit hours)

MANAGEMENT 3100
Intermediate Financial Accounting I
Credit hours: 3.0
Contact hours per week: 3-0-0
Current conventional accounting standards with respect to asset and liability measurement and income determination.
Prerequisite(s): Economics 1010 AND Economics 1012 AND Statistics 1770 OR Admission to the Professional Diploma in Accounting
Corequisite(s): Management 3040
Note: All prerequisite courses must have a minimum 'C-' grade.

MANAGEMENT 3101
Intermediate Financial Accounting II
Credit hours: 3.0
Contact hours per week: 3-0-0
Current conventional accounting standards with respect to shareholders' equity, corporate income tax, pensions, leases and changing prices.
Prerequisite(s): Management 3100
Note: All prerequisite courses must have a minimum 'C-' grade.

MANAGEMENT 3130
Cost Accounting
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of cost systems and the development of cost information, cost management and the use of cost information in managerial decision making. Topics include: cost terminology and cost behaviour, product costing (job order, process and operations costing), cost allocation including activity-based costing, variable costing, cost estimation, cost-volume-profit analysis, and using cost information to make cost, revenue, production and quality decisions. This course seeks to develop analytical and problem-solving skills.
Prerequisite(s): Economics 1010 AND Economics 1012 AND Management 2400 AND Statistics 1770 OR Admission to the Professional Diploma in Accounting AND Management 2400
Note: All prerequisite courses must have a minimum 'C-' grade.

MANAGEMENT 3131
Management Control Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of management control systems and behavioural issues in accounting. This course uses problems and cases to study the structure and processes of management control systems in various types of organizations. Topics include: behaviour in organizations, responsibility centers, transfer pricing, strategy and strategic planning, budget preparation, performance measurement and analyzing financial performance (variance analysis), management compensation, and controls for differentiated strategies. This course seeks to develop critical thinking, written and oral communication and case analysis skills.
Prerequisite(s): Management 3130
Note: All prerequisite courses must have a minimum 'C-' grade.
MANAGEMENT 3151
Introduction to Tax
Credit hours: 3.0
Contact hours per week: 3-0-0
The objective of this course is to provide sufficient exposure to the workings of the personal and corporate Canadian income tax systems so that individuals are able to incorporate this knowledge into everyday life. Taxes impact almost all financial, and many non-financial, decisions. The after-tax consequences can only be appreciated if the decision maker understands the workings of the Canadian tax system and can plan for the appropriate outcomes. Emphasis is placed on applying, analyzing, and evaluating introductory concepts as they pertain to tax planning and decision making.
Prerequisite(s): Economics 1010 AND Economics 1012 AND Management 2400 AND Statistics 1770 AND Third-year standing (a minimum of 60.0 credit hours) OR Admission to the Professional Diploma in Accounting AND Management 2400 AND Third-year standing (a minimum of 60.0 credit hours)
Note: All prerequisite courses must have a minimum 'C-' grade.

MANAGEMENT 3160
Auditing
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the economic, ethical, and legal context of financial statement auditing, materiality, audit risk, internal controls, audit planning, and audit sampling.
Prerequisite(s): Management 3100
Note: All prerequisite courses must have a minimum 'C-' grade.

MANAGEMENT 3170
Accounting Information Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will discuss the relationship between the accounting profession and information systems. Understanding organizations’ activities, processes, and information needs is of primary importance to those who practice in the accounting profession. Information technology must be managed in order to provide support to the goals and objectives of the organization.
Prerequisite(s): Management 3061 AND Management 3160
Equivalent: Management 3850 (Accounting Information Systems) (prior to 2011/2012)
Note: All prerequisite courses must have a minimum ‘C’ grade.

MANAGEMENT 3180
Financial Reporting in a Case-Based Environment
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will provide an in-depth case study-based examination of more complex issues in Financial Accounting. Students will be presented with a series of business cases that place them in various roles, and will be asked to identify the important issues, relate those issues to the underlying accounting concepts and principles, and provide cogent recommendations. The course will focus on the application of the case method and critical thinking and communication skills to accounting issues.
Prerequisite(s): Management 3101 AND Management 3130
Equivalent: Management 3850 (Financial Reporting in a Case-Based Environment) (prior to 2013/2014)
Note: All prerequisite courses must have a minimum ‘C’ grade.

MANAGEMENT 3210
Consumer Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
Consumer behaviour theories, examination of sociological and psychological influences of buyer behaviour, study of the consumer decision process, implications for product development, sales, promotion, distribution and pricing.
Prerequisite(s): Management 2020 AND One of Writing 1000 or a university English course (3.0 credit hours)

MANAGEMENT 3215
Introduction to Marketing Communications and Social Media
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to advertising and public relations theory, social media, media structures, regulatory supervision and social responsibility.
Prerequisite(s): Management 2020
Corequisite(s): Management 3210
Equivalent: Management 4210 (prior to 2015/2016)

MANAGEMENT 3220
Marketing Research
Credit hours: 3.0
Contact hours per week: 3-0-0
Research process as related to marketing. Defining the problem, research design, sample selection, instrument preparation, data collection and reduction, analysis, presentation and follow-up.
Prerequisite(s): Management 2020 AND One of Economics 2900 or Statistics 2780

MANAGEMENT 3225
Brand Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Brand-related concepts, emphasizing the achievement of marketing objectives by developing and maintaining a strong brand. Brand management requires continuous improvement of the entity that is branded, coupled with an effective and appropriately funded communications program targeting relevant audiences. In addition to examinations, students will complete individual projects to demonstrate their understanding of branding principles and best practices.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3230
Retailing Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Role of retailing in marketing; structure of retailing in Canada; retail management of location, layout, buying inventory, personnel, promotion, financial control and franchising.
Prerequisite(s): Management 2020
MANAGEMENT 3240
Sales Management
Credit hours: 3.0
Contact hours per week: 3-0-0
The role of the sales force in the achievement of a firm’s marketing objectives; decision-making skills in the development and management of sales programs.
Prerequisite(s): Management 2020

MANAGEMENT 3250
Social Marketing
Credit hours: 3.0
Contact hours per week: 3-0-0
Marketing plays an increasingly important role in campaigns and programs that deal with such problems as HIV/AIDS, smoking, drug and alcohol abuse, and environmental pollution. Social marketing is the adaptation of commercial marketing technologies to programs designed to influence the voluntary behaviour of target audiences in order to improve their personal welfare and that of the society of which they are a part. Social marketing has been particularly successful in influencing health and social behaviours in fields such as HIV/AIDS prevention and childhood immunization, but it is also being used in areas such as criminal justice and environmental protection.
Prerequisite(s): Management 2020
OR
Psychology 2800 AND
Third-year standing (a minimum of 60.0 credit hours)
in the Bachelor of Health Sciences (Public Health major)

MANAGEMENT 3260
Not-for-Profit Marketing
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will be presented with core concepts of the marketing function in non-profit organizations. Learning these core concepts improves decision making and planning. Students will also be presented with special topics of importance, such as cause marketing, volunteer recruitment, fund raising and social marketing. Learning more about these special topics enhances students’ currency of knowledge on emerging challenges for marketing managers of non-profit organizations.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3280
Services Marketing Management
Credit hours: 3.0
Contact hours per week: 3-0-0
The service sector makes up more than 70 percent of Canada’s economy. Students will gain an appreciation of and insight into the service sector, and will learn how to apply key service marketing principles. Topics include: service products, consumers and markets; how the ‘7 P’s’ of marketing are applicable to services; designing and managing the customer interface related to service marketing; implementing a profitable service strategy through managing staff and customer relationships; and enhancing service quality and productivity.
Prerequisite(s): Management 1000 AND
Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Management 3850 (Services Marketing Management) (prior to 2012/2013)

MANAGEMENT 3290
Marketing and Society
Credit hours: 3.0
Contact hours per week: 3-0-0
Explore the dynamic weave between the function of marketing and the society within which it is immersed. Examine the costs and benefits of marketing to society, and the macromarketing dynamics of a system that includes consumers, business and government. While critically analyzing imbalanced macromarketing systems and recommending solutions, students will also better understand their own values and beliefs, and benefit by applying their critical thinking to difficult societal issues.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Management 3850 (Marketing and Society) (prior to 2013/2014)

MANAGEMENT 3305
Managing Employee Health and Safety
Credit hours: 3.0
Contact hours per week: 3-0-0
This course provides an overview of the theory and practice of occupational health, safety and disability management. The content includes an overview of relevant Canadian legislation, the role of supervisors and human resource managers in OHS and disability management, as well as hazard recognition, risk assessment, promoting a culture of safety, and conducting proper incident investigations. Best practices for reintegrating employees with disabling health conditions are also covered.
Prerequisite(s): Management 3050/Political Science 3420
Equivalent: Management 3850 (Managing Employee Health and Safety) (prior to 2013/2014)

MANAGEMENT 3310
Collective Labour Relations
Credit hours: 3.0
Contact hours per week: 3-0-0
Right to organize; the acquisition of bargaining rights; loss of bargaining rights; duty to bargain in good faith; duty of fair representation; court enforcement of the collective agreement; strikes and picketing; construction industry labour relations.
Prerequisite(s): Management 2030 AND
Management 3050/Political Science 3420

MANAGEMENT 3315
Diversity in Employment
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduces students to theoretical concepts that will assist in their understanding of what workplace diversity is and is not. Explores practical examples of the successful development of diversity programs in North America, and analyzes examples and causes of failure. The opportunities and challenges of diversity will be examined in the context of human resource management functions such as recruitment and selection, performance evaluation, the organization of work, the organization and planning of successful meetings and other communication in a diverse cultural environment.
Prerequisite(s): Management 2030 AND
Management 3050/Political Science 3420
MANAGEMENT 3360
Organization Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
An integral part of effective management involves understanding and critically examining the goals, strategies, structure, technology and external environment of organizations. In addition, a manager also needs to be cognizant of the various processes that occur within organizations, such as conflict, politics, change, information-flow and control, and organizational culture. Such an understanding of the structural design and functioning of organizations is essential to improving and maintaining them. This course provides this understanding by introducing current theories as well as alternative perspectives and approaches to the management and design of organizations, and assessing their relevance and usefulness.
Prerequisite(s): One of Management 2030 or admission to the Post-Diploma Bachelor of Management program

MANAGEMENT 3412
Fundamentals of Investments
Credit hours: 3.0
Contact hours per week: 3-0-0
Risk and return analysis, investment alternatives, security analysis (technical and fundamental), efficient markets, diversification, sources of investment information, and basic theoretical models including the portfolio model, the capital asset pricing model and the arbitrage pricing model.
Prerequisite(s): Management 3040 AND One of Economics 2900 or Statistics 2780

MANAGEMENT 3441
Financial Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
Use of fundamental methods and processes to assess and understand the historical financial condition of a firm; the assessment and understanding will be used to interpret the direction of the firm and estimate its future financial performance.
Prerequisite(s): Management 3040
Equivalent: Management 3850 (Financial Analysis) (prior to 2011/2012)

MANAGEMENT 3460
Global Financial Management
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of international institutions and markets including: the International Monetary Fund, the World Bank, foreign exchange markets and Eurocurrency markets. The financial management of international business operations, such as: export financing, foreign exchange transactions, long-term and short-term financing and country risk analysis.
Prerequisite(s): Management 3040

MANAGEMENT 3470
Corporate Finance
Credit hours: 3.0
Contact hours per week: 3-0-0
Capital structure theory, dividend policy, introduction to risk and return, raising capital in debt and equity markets, short-term financial management, cost of capital computations, and mergers and acquisitions.
Prerequisite(s): Management 3040
Corequisite(s): One of Economics 2900 or Statistics 2780

MANAGEMENT 3480
Personal Finance
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of personal financial management using cases and real life examples. Topics will include personal banking; life, disability and medical insurance; property and liability insurance; pensions and RRSPs; retirement planning; investments; mutual funds; wills and trusts; mortgage and loan concepts; financial planning and financial planners.
Prerequisite(s): Management 3040

MANAGEMENT 3500/NATIVE AMERICAN STUDIES 3250
Financial Management in Aboriginal Communities
Credit hours: 3.0
Contact hours per week: 3-0-0
For both private and public aboriginal organizations, financial evaluation of development projects and capital purchase; identification of sources of capital in the public and private sectors; making and using budgets; pension programs; financial planning; loan qualification criteria; and analysis of financial statements to ensure financial control.
Prerequisite(s): Native American Studies 1000

MANAGEMENT 3506/NATIVE AMERICAN STUDIES 3506
Aboriginal Small Business and Entrepreneurship in Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
Aboriginal communities have an increasing interest in small business and entrepreneurship. This course provides the theoretical and practical knowledge necessary to set and manage a small aboriginally-owned and operated business, both inside and outside of aboriginal communities. Various technical and policy issues will be covered, and special attention will be paid to tribally-owned aboriginal small business.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Recommended Background: Management 2100 AND Native American Studies 1000
Equivalent: Native American Studies 4206/Management 4506 (prior to 2013/2014)

MANAGEMENT 3551/GEOGRAPHY 3551
An Introduction to Tourism
Credit hours: 3.0
Contact hours per week: 3-0-0
This course provides an overview of tourism with an emphasis on socially and environmentally sustainable tourism. Topics covered include the nature and scope of tourism, public policy, tourism and economic development, tourism marketing, tourism impacts, aboriginal tourism and ecotourism.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
MANAGEMENT 3552
Sustainable Tourism
Credit hours: 3.0
Contact hours per week: 3-0-0
This course builds on Management 3551/Geography 3551 - An Introduction to Tourism. It explores new trends in the industry and looks at ways to make tourism sustainable in environmental, economic, social and cultural terms. The topic is contemplated from a national and global perspective. Other topics include the greening of the industry as a whole, cultural and ethnic tourism, ecotourism, community-based tourism and sustainable development.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Recommended Background: Management 3551/Geography 3551
Equivalent: Management 4551 (prior to 2014/2015)

MANAGEMENT 3580/NATIVE AMERICAN STUDIES 3280
Aboriginal Peoples and Natural Resources
Credit hours: 3.0
Contact hours per week: 3-0-0
This course explores the opportunities and constraints that aboriginal peoples encounter in their efforts to use water resources, fisheries, forestry resources, wildlife, land and non-renewable resources, and to gain management power over these resources.
Prerequisite(s): Native American Studies 1000

MANAGEMENT 3590/NATIVE AMERICAN STUDIES 3590
Current Practices in Aboriginal Governments
Credit hours: 3.0
Contact hours per week: 3-0-0
This course focuses on contemporary aboriginal governments, their relationship with their constituencies and the political value systems within which they operate. A series of case studies will be used to consider the political and fiscal environmental constraints on aboriginal policy-making and political practices.

MANAGEMENT 3640
Cross-Cultural Management Practices
Credit hours: 3.0
Contact hours per week: 3-0-0
An overview of comparative organizational behaviour, cross-cultural management practices, and an examination of how culture is expressed within the work environment here and abroad.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3650
Introduction to International Management
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the field of International Management where issues such as cross-cultural management and international aspects of trade, marketing and economic regimes are examined. An exploration and application of comparative management perspectives focusing on the visions and endeavours of entrepreneurs, corporations and nations over time in the global context.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)

MANAGEMENT 3660/GEOGRAPHY 3225
Industrial Location and Globalization of Enterprise
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-8
Industrial geography is concerned with the location of industrial activity at local, continental and global scales of analysis. The course explores locational patterns and behaviour of small, medium-sized and transnational manufacturing firms with special emphasis on location dynamics over time. By taking a geographical perspective, the course links the spatial behaviour of firms with economic development issues at the local, regional and global scales. A one-day field trip will be scheduled.
Prerequisite(s): One of Management 2030 or Geography 2210

MANAGEMENT 3670/POLITICAL SCIENCE 3170
The Politics of Canadian Trade Policy
Credit hours: 3.0
Contact hours per week: 3-0-0
Focus on the political economy of Canadian trade policy. Exploration of political, economic, and institutional factors shaping Canada's participation in international agreements on trade and related issues. Examination of the interaction of regional, economic, intergovernmental, and societal factors with trade policies in Canadian domestic politics. Students will also be exposed to theoretical literature related to international political economy, public policy, Canadian federalism, and Canadian foreign policy.
Prerequisite(s): Political Science 2110

MANAGEMENT 3680
Introduction to Canadian Culture and Management
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the multidisciplinary study of cultural structures and expressions in Canada. An examination of Canadian culture and society employing a variety of methods and perspectives, with the goal of providing an in-depth understanding of Canadian society and culture and its effects on Canadian business and management perspectives.
Note: This course is restricted to incoming exchange students.
Registration is by faculty approval only.

MANAGEMENT 3685
Issues in International Management (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Issues in International Management (Series) offers students the opportunity to take a number of unique course offerings particular to the International Management area. These courses are intensive studies of specific global management topics. Courses in the series offer an in-depth examination of an international issue or topic and provide students an opportunity to explore that particular subject in detail.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
MANAGEMENT 3710
Managing Not-for-Profit Organizations
Credit hours: 3.0
Contact hours per week: 3-0-0
Other hours: 0-0-9
A focus on the major management issues that not-for-profit organizations confront in their pursuit to be effective and caring organizations. Topics include, but are not limited to, the recruitment and management of volunteers, the role of boards in the governance of not-for-profit organizations, and the methods employed to raise funds to sustain and grow these organizations.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3780/ECONOMICS 3800
Principles of Industrial Organization I
Credit hours: 3.0
Contact hours per week: 3-0-0
The development of economic principles applied to the behaviour of individual firms and the collection of firms at the industry level. Topics include measures of market power, cost concepts and output decisions, various types of price discrimination and their effects on firm profits and consumer welfare, pricing strategies, providing product optimal varieties and quality, product bundling and tie-in sales. An introduction to game theory, and strategic pricing and output behaviour.
Prerequisite(s): Economics 1010

MANAGEMENT 3806
Small Business Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Theoretical and practical knowledge to set up and manage a small business; characteristics and forms of small business; time management; organize-purchase franchise decisions, forecasting and marketing; obtaining financing; government and legal controls; tax considerations; accounting and financial controls; personnel administration; location decisions.

MANAGEMENT 3815
Regional Aspects of International Management (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Regional Aspects of International Management (Series) offers students the opportunity to take a number of unique regional and/or country-specific course offerings particular to the Global Management area. These courses are intensive studies of specific regional or country-specific interest and provide students an opportunity to explore that particular subject in detail.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3821
Visual Programming Applications
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Computer Science 1620 AND Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3822
Object-Oriented Programming for Web Applications
Credit hours: 3.0
Contact hours per week: 3-0-0
An object-oriented approach to programming for the development of server-based Web applications. Students will develop integrated systems using Web interfaces and databases using state-of-the-art web programming tools.
Prerequisite(s): One of Management 3821 or Computer Science 2620

MANAGEMENT 3825/HEALTH SCIENCES 3500
Information in Health Care
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to how information is created, utilized and disseminated within the health care realm. Content areas include information systems theory, examination of existing health systems, and the Lethbridge and Canadian Health care context.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

MANAGEMENT 3830
Contemporary Database Applications
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to database management systems. Emphasis on design and construction of database systems using a fourth generation programming language.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Corequisite(s): One of Computer Science 1620 or Management 3061

MANAGEMENT 3850
Selected Topics in Management
Credit hours: 3.0
Contact hours per week: Variable
Selected topics to be offered upon interest and demand or instructor’s expertise.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
Note: May include laboratories, tutorials, or both.

MANAGEMENT 3860
Law and Institutions of International Trade
Credit hours: 3.0
Contact hours per week: 3-0-0
An overview of the factors affecting international trade, such as international institutions and laws, and private international law issues. Major concepts and institutions relating to public and private international law. Basic concepts affecting international trade and commerce.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 3862
E-commerce Management
Credit hours: 3.0
Contact hours per week: 3-0-0
A study of the ways in which business activities take place over networks; challenges that face managers in the digital organization; and focuses on the fit between technology and strategy in organizational settings.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
MANAGEMENT 3901
Professional Consulting
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will gain an understanding of the field of management consulting through an examination of the management consulting process, issue and problem diagnosis, management consulting approaches and styles, client-consultant relationships, management of change and professional codes of conduct and ethics.
Prerequisite(s): Management 2020
Corequisite(s): Management 2020 AND Management 3050/Political Science 3420

MANAGEMENT 3920
Project Management
Credit hours: 3.0
Contact hours per week: 3-0-0
Covers the entire project lifecycle from the conceptualization to termination phases with an emphasis on the project planning and controlling functions. Various topics such as international project management, TQM and ethical issues are also covered.
Prerequisite(s): Management 2030

MANAGEMENT 3901-3961
Applied Studies/Field Experience
Credit hours: 3.0
An opportunity to earn credit for an employment or volunteer experience with a significant learning component. Completion of a written report is required, which includes consultation of relevant literature and relation of theoretical precepts to practical experience.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Admission to the Faculty of Management AND Permission of the Applied Studies Field Coordinator AND Approval of the Faculty of Management.

MANAGEMENT 4090
Management Policy and Strategy
Credit hours: 3.0
Contact hours per week: 3-0-0
Integrative requirements and consequences of policy and strategy alternatives. Simulated management decision-making through case studies in both the private and public sector.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND Management 2020 AND Management 3031 AND Management 3040 AND Management 3050/Political Science 3420 AND Management 3061 OR Fourth-year standing (a minimum of 90.0 credit hours) AND Admission to the Bachelor of Management program via the Diploma Admission Route AND Management 3031 AND Management 3050/Political Science 3420 AND Management 3061

MANAGEMENT 4100
Advanced Financial Accounting
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of financial accounting standards for long term investments, including consolidation techniques, accounting for transactions in foreign currency, translation of foreign currency financial statements, and an introduction to accounting for not-for-profit organizations.
Prerequisite(s): Management 3101
Note: All prerequisite courses must have a minimum ‘C-’ grade.

MANAGEMENT 4110
Advanced Managerial Accounting II
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is intended as a capstone course using the concepts and techniques taught in Management 3130 and Management 3131 in real-life case situations. Students define problems and apply management accounting knowledge to specific situations.
Prerequisite(s): Management 3131
Note: All prerequisite courses must have a minimum ‘C-’ grade.

MANAGEMENT 4151
Advanced Tax
Credit hours: 3.0
Contact hours per week: 3-0-0
The objective of this course is to provide advanced exposure to the workings of the personal and corporate Canadian tax systems. Emphasis is placed on applying, analyzing, synthesizing, and evaluating advanced concepts as they pertain to tax planning and decision making. Topics such as individual tax planning, corporate tax planning, corporate reorganizations, partnerships, business acquisitions and divestitures, business valuations, international business expansion, and employee compensation will be covered.
Prerequisite(s): Management 3100 AND Management 3151
Note: All prerequisite courses must have a minimum ‘C-’ grade.

MANAGEMENT 4160
Accounting Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
The study of theoretical constructs such as efficient markets, agency and economic consequences which impact the preparation and use of accounting information. Focus is on applying the theories to understand and analyze current issues in accounting practice. The course is designed to provide students with the opportunity to exercise and improve skills in critical thinking, persuasive writing and oral communication.
Prerequisite(s): Management 3100 AND One of Writing 1000 or a university English course (3.0 credit hours)
Corequisite(s): Economics 3030 AND Management 3101 AND Management 3160
Note: All prerequisite courses must have a minimum ‘C-’ grade.

Students governed by Calendars prior to 2002/2003 may use the Writing Proficiency Requirement (WPR) to meet the Writing 1000 or university English course prerequisite.
MANAGEMENT 4215  
Advanced Marketing Communications and Social Media  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
This course is a continuation of students’ exploration of advertising and public relations theory, social media, media structures, regulations and social responsibility. The class will enrich students’ understanding of these topics by developing advertising strategies and plans with case studies or competitions.  
Prerequisite(s): Management 3215

MANAGEMENT 4220  
Cross-Cultural Marketing  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
International marketing and intelligence: economic, cultural, political, product policy, foreign market entry methods, international promotion and pricing.  
Prerequisite(s): Management 2020

MANAGEMENT 4230  
Marketing Management  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Strategy-oriented, marketing environment, marketing information and analysis of markets and buying behavior: program development.  
Prerequisite(s): Management 3210 AND Management 3220 AND Fourth-year standing (a minimum of 90.0 credit hours)

MANAGEMENT 4305  
Canadian Labour and Employment Law  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Labour law topics address employment relationships in a unionized setting and employment law addresses non-union employment relationships. Compare and contrast of union and non-union approaches to dispute resolution, human rights, privacy, workers’ compensation, and occupational health and safety law.  
Prerequisite(s): Management 3310 AND Fourth-year standing (a minimum of 90.0 credit hours)  
Substantially Similar: Management 3330 (prior to 2013/2014) and Management 3340 (prior to 2013/2014)

MANAGEMENT 4310  
Advanced Organizational Behaviour  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Behaviour in organizations, including alternative models of individual behaviour; perceptual processes; satisfaction; equity and quality of working life; a group performance; organizational effectiveness; consulting for organizational change.  
Prerequisite(s): Management 2030 AND Management 3050/Political Science 3420 AND Fourth-year standing (a minimum of 90.0 credit hours)

MANAGEMENT 4315  
Performance Management  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
This course provides an in-depth look at performance management. Performance management involves a number of continuous activities including: defining performance in the context of specific organizations and jobs, measuring performance, improving and developing the performance of individuals and groups, and aligning performance with the strategic objectives of the organization.  
Prerequisite(s): Management 3050/Political Science 3420  
Equivalent: Management 4850 (Performance Management) (prior to 2013/2014)

MANAGEMENT 4330  
Collective Bargaining  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
Theoretical determinants and process of collective bargaining; preparations for bargaining; cost to package with special reference to fringe benefits; negotiation techniques; living through a strike/lockout; experiential component.  
Prerequisite(s): Management 3310

MANAGEMENT 4350  
Staffing  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
This course covers staffing-related topics dealing with obtaining and maintaining a productive workforce. Students will study topics such as strategic planning for staffing, job analysis, recruiting, selection, legal issues, international staffing, and decision-making through theoretical and quantitative analysis.  
Prerequisite(s): Management 2700 AND Management 3050/Political Science 3420

MANAGEMENT 4370  
Leadership in Organizations  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
An in-depth study of leadership theories; an overview of the historic development of leadership thought; leadership in the workplace through the critical analysis of leadership theory, research and practice.  
Prerequisite(s): Management 2030 AND Fourth-year standing (a minimum of 90.0 credit hours) OR Admission to the Bachelor of Management program via the Diploma Admission Route AND Fourth-year standing (a minimum of 90.0 credit hours)

MANAGEMENT 4390  
Leading Organizational Change  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
This course focuses on the theory and practice of organizational change in response to the challenges faced by organizations when they expand internationally, merge, downsize, introduce new technologies, and respond to government regulations, increasing competition, and changing customer needs. Issues covered include understanding change at the industrial, organizational, and individual levels; resistance and adaptation to change; and strategies for leading and navigating the organizational change process.  
Prerequisite(s): Management 3031 AND Management 3050/Political Science 3420 AND Management 3061 AND Fourth-year standing (a minimum of 90.0 credit hours)

MANAGEMENT 4421  
Financial Institutions and Markets  
Credit hours: 3.0  
Contact hours per week: 3:0-0  
The Canadian financial system governing capital flows between borrowers and lenders; financial institutions and other participants in the financial system; the financial markets.  
Prerequisite(s): Management 3470
MANAGEMENT 4430  
**Financial Management**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Financial management and decision-making in the corporate environment. Application of current theories and techniques. Extensive use of case discussions.  
Prerequisite(s): Management 3412 AND Management 3470

MANAGEMENT 4451  
**Derivative Securities Markets**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Derivative securities and their uses. Includes discussion of options, futures, swaps and their uses in risk management.  
Prerequisite(s): Management 3412 AND Management 3470

MANAGEMENT 4460  
**Trading and Portfolio Management**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course first introduces students to interactive trading of financial instruments where students can learn the principles of price discovery. The second part of the course covers the topics of equity valuation, portfolio management, and portfolio evaluation. Through taking this course, students will develop practical skills in trading financial securities, conducting company analysis, managing investment portfolio, and evaluating portfolio performance.  
Prerequisite(s): Management 3412 AND Management 3470 AND One of Economics 2900 or Statistics 2780

MANAGEMENT 4470-4471  
**Student Managed Investment Fund**  
Credit hours: 3.0  
Contact hours per week: 1.5-1.5-0  
Students are provided a unique opportunity to gain practical experience in investment analysis and portfolio management to prepare them for careers in the investment industry. Students who have applied and have been selected invest real money to generate real performance. Student Managed Investment Fund is a two-course series offered over consecutive fall and spring semesters.  
Prerequisite(s): Management 3412 AND Management 3470 AND One of Economics 2900 or Statistics 2780 AND Successful application to the Student Managed Investment Fund instructor  
Recommended Background: Past investment experience  
**Note:** Management 4470 and 4471 must be taken in sequence (fall > spring) in order to receive credit. In the fall semester, students will register in Management 4470, with 0.0 credit hours and 1.5 billing hours, and will be given an ‘X’ grade at the end of that semester. In the following spring semester, students will register in Management 4471, with 3.0 credit hours and 1.5 billing hours. At the end of the spring semester, students will be given a final letter grade (for Management 4471). Students must apply for approval to take Management 4470-4471. Acceptance is based on academic background, past experience in investment (if any) and grades.

MANAGEMENT 4507/NATIVE AMERICAN STUDIES 4120  
**Historical and Legal Aspects of First Nations’ Governments**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Historical and legal exploration of First Nations’ Governments, including pre-European contact, traditional forms of governments to present forms of First Nations’ Governments under Canadian Law. Examination of sources of legal authority, legal status, and powers of First Nations’ Governments, including sovereignty and case law.  
Prerequisite(s): Native American Studies 2100

MANAGEMENT 4580  
**Environmental Management**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course constitutes an in-depth exploration of domestic and international topics in environmental management, including public participation and human rights issues, and the role of aboriginal/indigenous peoples.  
Prerequisite(s): One of Management 3580/Native American Studies 3280 or third-year standing (a minimum of 60.0 credit hours)

MANAGEMENT 4640  
**Cross-Cultural Work Study**  
Credit hours: 3.0  
Other hours: 0-0-117  
Examines the cultural issues involved in international management via participation in a six-week work study which consists of hands-on experience in applying business knowledge and skills in a culturally-challenging environment in an organization outside Canada. Classes will be conducted by both Canadian expatriates and local academics, and will cover topics such as trade relationships, marketing, cultural specifics and the economy of the region. Students will be involved in a variety of business-related projects, depending upon the particular needs of their assigned company.  
Prerequisite(s): Successful application to International Programs AND One of Management 3640 or Management 3650  
**Note:** Apply online at www.uleth.ca/man-int/
MANAGEMENT 4780 / ECONOMICS 4080
Principles of Industrial Organization II
Credit hours: 3.0
Contact hours per week: 3-0-0
Develops further analytical tools beyond Management 3780/Economics 3080 to determine optimal strategies by firms facing competition. Topics include strategies to deter entry of new firms, price-fixing and collusive behavior, effects of horizontal and vertical mergers on profit and consumer welfare, use of advertising and brand names, research and development games, and network externalities. Game-theory principles are applied to analyze current practices and the development of antitrust policy.
Prerequisite(s): Management 3780 / Economics 3080 and One of Economics 3010 or Economics 3030

MANAGEMENT 4840
Systems Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
Information Systems Analysis using structured tools and techniques.
Prerequisite(s): Management 3830 AND Fourth-year standing (a minimum of 90.0 credit hours)
Note: Students should enrol in Management 4841 - Systems Design in the succeeding term.

MANAGEMENT 4841
Systems Design
Credit hours: 3.0
Contact hours per week: 3-0-0
Information Systems Design using structured tools and techniques.
Prerequisite(s): Management 3821 AND Management 4840
Note: Students should enrol in Management 4840 - Systems Analysis in the preceding term.

MANAGEMENT 4850
Selected Topics in Management
Credit hours: 3.0
Contact hours per week: Variable
Selected topics to be offered upon interest and demand or instructor's expertise.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
Note: May include laboratories, tutorials, or both.

MANAGEMENT 4895
Honours Component I
Credit hours: 0.0
The first honours component for the Management Undergraduate Thesis option is a non-credit course attached to an honours-approved Management course at the 3000 or 4000 level, where the student will be given additional academic/research work, to be graded by an assigned faculty member.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Approval of the Faculty of Management
Grading: Pass/Fail
Note: Contact hours vary; students should be aware that this course involves regular contact with a faculty supervisor. Students who fail to complete Honours Component I may not register for a second time in the course.

MANAGEMENT 4896
Honours Component II
Credit hours: 0.0
The second honours component for the Management Undergraduate Thesis option is a non-credit course attached to an honours-approved Management course at the 3000 or 4000 level in the student's major, where the student will be given additional academic/research work, to be graded by an assigned faculty member.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Approval of the Faculty of Management
Grading: Pass/Fail
Note: Contact hours vary; students should be aware that this course involves regular contact with a faculty supervisor. Students who fail to complete Honours Component II may not register for a second time in the course.

MANAGEMENT 4901
Applied Consulting
Credit hours: 3.0
Contact hours per week: 0-0-1
Other hours: 0-0-117
Client-student interaction will focus on specific and actual consulting process assignments with external clients.
Prerequisite(s): Management 3901 AND One of Management 2700, Management 3220, Economics 2900, or Statistics 2780 AND Successful application to the Applied Consulting program
Note: Apply online at www.uleth.ca/management/man-cbt/consulting/

MANAGEMENT 4980-4981
Applied Studies/Field Experience
Credit hours: 3.0
An opportunity to earn credit for an employment or volunteer experience with a significant learning component. Completion of a written report is required, which includes consultation of relevant literature and relation of theoretical precepts to practical experience.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND Admission to the Faculty of Management AND Permission of the Applied Studies Field Coordinator and approval of the Faculty of Management

MANAGEMENT 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research in their major area after consultation with their Thesis Supervisor, submit a publicly available report in the form of an Undergraduate Thesis and report orally on the work. The research methods of the Thesis must conform to the norms of social science.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A GPA of 3.30 or higher on the last 10 UofL courses (30.0 credit hours) AND Two honours-approved Management courses at the 3000/4000-level AND Approval of the Faculty of Management AND Management 4895 AND Management 4896 AND One of Management 3002, Management 3091/3092, full-semester international exchange, Management 3990 and Management 4990, or Management 3980 and Management 4980
Note: Students would benefit from taking a research methods course, for example, Economics 3950 or Management 2700. Contact hours vary but students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. Students interested in a full-semester international exchange should see the International Programs website (www.uleth.ca/management/man-int).
MANAGEMENT GRADUATE COURSES (MGT)

Faculty of Management

MANAGEMENT 5100
Orientation
Credit hours: 0.0
Other hours: 0:0-32
Introduction to Master of Science (Management) program philosophy, structure and participants. This four-day orientation is a comprehensive review of selected topics, including statistics, information systems, library facilities and resources, and career development; this module is designed to orient students and faculty into the program.
Prerequisite(s): Admission to the M.Sc. (Management) program
OR
Admission to another graduate program at the University of Lethbridge
Grading: Pass/Fail

MANAGEMENT 5110
Management Field Overviews
Credit hours: 1.5
Contact hours per week: 3-0-0
A comprehensive and rigorous cross-disciplinary analysis of fundamental management issues. Students are introduced to research programs in a variety of functional areas (e.g., organizational development, information systems, marketing, finance, accounting).
Prerequisite(s): Management 5100
OR
Admission to another graduate program at the University of Lethbridge
Note: Management 5110 is a six-week course.

MANAGEMENT 5115
Research Workshops
Credit hours: 0.0
Other hours: 0:0-32
Workshops will be held to assist students in completing their degree requirements and in developing their thesis.
Prerequisite(s): Management 5100
OR
Admission to another graduate program at the University of Lethbridge
Grading: Pass/Fail

MANAGEMENT 5120
Thinking by Design I
Credit hours: 1.5
Contact hours per week: 3-0-0
This course is the first of a pair of courses that aim to equip the graduate student with the necessary divergent and convergent thinking skills useful for the rigorous critique of research problems and the generation and extension of new ideas. Management 5120 begins with a review of reasoning. The course then explores why the world is not always as rational, normal and linear as we might hope such that the tools of traditional reasoning must often be augmented with other techniques. Chief among these techniques will be the exploration and practice of Lateral Thinking.
Prerequisite(s): Successful completion of previous M.Sc. (Management) module
OR
Admission to another graduate program at the University of Lethbridge
Note: Management 5120 is a six-week course.

MANAGEMENT 5130
Ways of Knowing
Credit hours: 1.5
Contact hours per week: 3-0-0
This course will examine the nature of scientific research. Students will gain an understanding of the philosophy behind the positivist approach to social science, as well as criticisms of the approach. The course will address induction, confirmation, the importance of falsification, the role of theory, paradigm assessment, paradigm shifts, conceptualization, and limitations of the scientific method.
Prerequisite(s): Admission to the M.Sc. (Management) program
OR
Admission to another graduate program at the University of Lethbridge
Note: Management 5130 is a six-week course.

MANAGEMENT 5150
Research Methods in Management
Credit hours: 3.0
Contact hours per week: 3-0-0
A comprehensive introduction to and application of research methods in the field of Management. Topics include, for example, research methods paradigms, research designs (e.g., experimental, ex post facto); data gathering, analysis, and interpretation; research and the issue of relevance, ethical issues in research.
Prerequisite(s): Management 5100
OR
Admission to another graduate program at the University of Lethbridge

MANAGEMENT 5160
Qualitative Methods and Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
A comprehensive introduction and application of qualitative research methods in the field of Management. Provides an in-depth analysis of the conceptual and practical issues to be considered when engaging in qualitative research. Topics include, for example, the general categories of ethnography, interviews, focus groups, documentary analysis, content analysis, and discourse analysis.
Prerequisite(s): Successful completion of previous M.Sc. (Management) module
OR
Admission to another graduate program at the University of Lethbridge
Note: Students must have a minimum 'B-' grade in MGT 5110, MGT 5120, MGT 5130, MGT 5170, and MGT 5200.

MANAGEMENT 5170
Technical Problem Solving
Credit hours: 1.5
Contact hours per week: 3-0-0
This course will examine the nature of technical problem solving. Students learn how to think about their own thinking. Students are introduced to the elements of design thinking to bring together divergent and convergent thinking through the Inspiration - Ideation - Implementation process. Initially developed for product design use, the course strives to demonstrate how this approach can yield payoffs that extend far beyond the marketplace to general research endeavours and broad social concerns.
Prerequisite(s): Successful completion of previous M.Sc. (Management) module
OR
Admission to another graduate program at the University of Lethbridge
Note: Students must have a minimum 'B-' grade in MGT 5110, MGT 5120, MGT 5130, MGT 5170, and MGT 5200.

Note: Management 5110, MGT 5120, MGT 5130, MGT 5170, and MGT 5200.
MANAGEMENT 5170
Data Management and Statistical Techniques I
Credit hours: 1.5
Contact hours per week: 3-0-0
A comprehensive introduction and application of univariate and bivariate statistical techniques. From a Social Scientist perspective, the following statistical topics, for example, may be examined: data management, descriptive statistics, hypothesis testing, non-parametric statistics, univariate statistics (t-tests, ANOVA), and correlation.
Prerequisite(s): Successful completion of previous M.Sc. (Management) module OR Admission to another graduate program at the University of Lethbridge.
Note: Management 5170 is a six-week course.

MANAGEMENT 5175
Data Management and Statistical Techniques II
Credit hours: 1.5
Contact hours per week: 3-0-0
A comprehensive introduction and application of measurement assessment and multivariate statistical techniques. From a Social Scientist perspective, the following statistical topics, for example, may be examined: factor analysis, reliability, validity, MANOVA, regression, path analysis, and structured equation modeling (partial least squares, Lisrel).
Prerequisite(s): Successful completion of previous M.Sc. (Management) module OR Admission to another graduate program at the University of Lethbridge.
Note: Students must have a minimum 'B-' grade in Management 5170, MGT 5120, MGT 5130, MGT 5170, and MGT 5200. Management 5175 is a six-week course.

MANAGEMENT 5200
Major Seminar I (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
A selection from a list of topics will be offered in this seminar. The topics vary according to the major of the students. Prerequisite(s): Management 5100

MANAGEMENT 5225
Major Seminar II (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will be exposed to various research topics in their chosen major/area to provide sufficient instruction in their area of research.
Prerequisite(s): Admission to the M.Sc. (Management) program OR Admission to another graduate program at the University of Lethbridge.
Note: Students must obtain approval of their supervising area before registering.

MANAGEMENT 5300
Major Seminar III (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This seminar develops students' understanding by examining multiple perspectives in the specific area of the major.
Prerequisite(s): Successful completion of previous M.Sc. (Management) module

MATHEMATICS 1010
Introduction to Calculus
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500
Substantially Similar: Mathematics 1510

MATHEMATICS 1410
Elementary Linear Algebra
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500
### MATHEMATICS 1510
**Calculus for Management and Social Sciences**
Credit hours: 3.0
Contact hours per week: 3-0-1.5
Contact hours per week: 3-0-1
Differentiation of elementary functions, the chain and product rules, extrema problems, integration. Applications from management, humanities and the social sciences.
Prerequisite(s): One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500
Substantially Similar: Mathematics 1010; Mathematics 1560
**Note:** Mathematics 1510 may not be counted toward the requirements for a major in Mathematics and is not suitable for students requiring more than one semester of Calculus.

### MATHEMATICS 1560
**Calculus I**
Credit hours: 3.0
Contact hours per week: 3-0-1.5
Prerequisite(s): One of Mathematics 1010, Mathematics 31, or a grade of at least 75 percent in Mathematics 30-1 or Pure Mathematics 30
Substantially Similar: Mathematics 1510

### MATHEMATICS 2000
**Mathematical Concepts**
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): Four courses (12.0 credit hours) in Arts and Science AND One of Logic 2003, or a 1000-level course in Mathematics, Computer Science, Statistics, or Physics, or Mathematics 31, or a blended grade of at least 80 percent in either Mathematics 30-1 or Pure Mathematics 30

### MATHEMATICS 2090
**Number Systems**
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): Eight university-level courses (24.0 credit hours)
**Note:** Students should not take Mathematics 2090 if they have received credit for Mathematics 2000 prior to enrolling in Mathematics 2090. Mathematics 2090 may not be counted toward the requirements for a major in Mathematics or Computer Science. Mathematics 2090 is primarily intended for prospective elementary school teachers who would not ordinarily take university mathematics courses.

### MATHEMATICS 2560
**Calculus II**
Credit hours: 3.0
Contact hours per week: 3-0-1.5
Prerequisite(s): Mathematics 1560

### MATHEMATICS 2570
**Calculus III**
Credit hours: 3.0
Contact hours per week: 3-0-0
Sequences and series, convergence tests, Taylor's series, vector-valued functions of a real variable, applications to analytic geometry, partial derivatives.
Prerequisite(s): Mathematics 1410 AND Mathematics 2560

### MATHEMATICS 2580
**Calculus IV**
Credit hours: 3.0
Contact hours per week: 3-0-0
Calculus of functions of several variables: partial differentiation, chain rule, applications, multiple integration, change of variables, theorems from vector analysis, including Stokes' Theorem.
Prerequisite(s): Mathematics 2570

### MATHEMATICS 3100
**Introduction to Mathematical Logic**
Credit hours: 3.0
Contact hours per week: 3-0-0
First Order Logic. Validity, provability, completeness, consistency, independence, categoricity, decidability, Gödel's Theorem.
Prerequisite(s): Mathematics 2000

### MATHEMATICS 3200
**Geometry**
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to classical geometry from the axiomatic point of view. Lines and affine planes. Separation, order, similarity, congruence. Isometries and their classification. Groups of symmetries. Projective, hyperbolic and inversive geometries.
Prerequisite(s): Mathematics 2000

### MATHEMATICS 3400
**Group and Ring Theory**
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 2000
Recommended Background: At least one 3000-level course (3.0 credit hours) in Mathematics

### MATHEMATICS 3410
**Linear Algebra**
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 1410 AND Mathematics 2000
Mathematics 3461 - Elementary Number Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 2000

Mathematics 3500
Analysis I
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 2000 AND Mathematics 2570
Recommended Background: At least one 3000-level course (3.0 credit hours) in Mathematics

Mathematics 3560
Functions of a Complex Variable
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 2580 AND One of Mathematics 2000 or Physics 2150

Mathematics 3600
Differential Equations I
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 1410 AND Mathematics 2560
Corequisite(s): Mathematics 2570

Mathematics 3650
Differential Equations II
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 3600
Corequisite(s): Mathematics 2580
Equivalent: Mathematics 4600 (prior to 2012/2013)

Mathematics 3860
Combinatorics
Credit hours: 3.0
Contact hours per week: 3-0-0
Graph theory. Combinatorial designs. Enumerative Combinatorics or other topics.
Prerequisite(s): Mathematics 2000

Mathematics 4310
Topology
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 3500

Mathematics 4400
Field Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 3400

Mathematics 4405
Algebra (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Topics in group and ring theory, modules, commutative and non-commutative algebras.
Prerequisite(s): Mathematics 4400

Mathematics 4461
Advanced Number Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Topics in analytic and algebraic number theory, elliptic curves, and modular forms.
Prerequisite(s): Mathematics 3461

Mathematics 4500
Analysis II
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 4500

Mathematics 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours)
AND
A cumulative GPA of 3.30 or higher

Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.
MATH 5405 - Music 2248

MATH 5405
Algebra (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in group and ring theory, modules, commutative and non-commutative algebras.
Prerequisite(s): Admission to the M.Sc. program.

MATH 5505
Analysis (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in measure theory, Banach spaces, Lp-spaces, Fourier and Complex analysis.
Prerequisite(s): Admission to the M.Sc. program.

MUSIC 1000
Introduction to Music
Credit hours: 3.0
Contact hours per week: 3-0-0
Lectures and prescribed listening (both recording and concerts) to encourage aural familiarity with compositions representative of significant musical styles.
Previous formal education in music not required.
Note: Not counted in the basic 16-course Arts and Science major or the core courses in the B.Mus. degree.

MUSIC 1011
Materials of Music
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the language and materials of music theory including: notation, meter, rhythm, intervals, modes, scales and chords.
Note: Not counted in the basic 16-course Arts and Science major or the core courses in the B.Mus. degree.

MUSIC 2148
Studio I - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0 or 3-0-0
Preparation and performance of appropriate technical exercises, studies, and repertoire assigned by the instructor. Course requirements include: one hour of individual and up to four hours of master class instruction, or three hours of classroom instruction, per week; concert attendance.
Prerequisite(s): Audition—contact the Department of Music for further information.
Note: Studio course.

MUSIC 2149
Second-Study Studio I
Credit hours: 1.5
Contact hours per week: 0.5-0-0
Preparation and performance of appropriate technical exercises, studies, and repertoire assigned by the instructor with one-half (1/2) hour of individual instruction per week.
Prerequisite(s): Audition—contact the Department of Music for further information.
Note: Studio course.

MUSIC 2160
Theory I
Credit hours: 3.0
Contact hours per week: 3-0-2
Develops fluency in the writing and recognition of the elements of music: melodic and harmonic intervals, modes and scales, rhythm and metre, triads and inversions, and the principles of melodic and homophonic design.
Recommended Background: A knowledge of music theory rudiments.

MUSIC 2161
Musicianship Skills I
Credit hours: 1.5
Contact hours per week: 2-0-0
A practical approach to the cultivation of critical aural perception; specifically to develop the student's sight-singing, rhythm, transcription, and related keyboard skills.
Corequisite(s): Music 2160
Recommended Background: A knowledge of music theory rudiments.

MUSIC 2180
History I: Antiquity to the Mid-Renaissance
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical survey of music from Antiquity to the mid-Renaissance, concentrating on various styles and genres and their aural recognition, as well as introducing the student to basic musical terminology and concepts, and developing the student's writing skills, research methods and bibliographic style.
Recommended Background: A knowledge of music theory rudiments.

MUSIC 2181
Acoustics
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the physics and psychophysics of music with demonstrations of relevant phenomena and theories explaining them. Topics include studio and sonic environment design; the basic physics of music production including modes of oscillation of mechanical systems, resonance, feedback, and transmission; room reverberation and acoustics; and physical acoustics with applications to music.

MUSIC 2248
Studio II - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
Preparation and performance of appropriate technical exercises, studies, and repertoire assigned by the instructor. Course requirements include: one hour of individual and up to four hours of master class instruction per week; concert attendance.
Prerequisite(s): A minimum grade of 'C' in Music 2148—see note below.
Note: Studio course.

Mathematics 5405 - Music 2248
MUSIC 2249
Second-Study Studio II
Credit hours: 1.5
Contact hours per week: 0.5-0-0
Preparation and performance of appropriate technical exercises, studies, and repertoire assigned by the instructor with one-half (1/2) hour of individual instruction per week.
Prerequisite(s): A minimum grade of 'C' in Music 2149—see note below
Note: Studio course.
This course is subject to instructor availability. Studio offerings are subject to quotas. For more information, contact the Department of Music. Should a grade of less than 'C' be earned in a prerequisite studio course, advancement in the studio sequence shall depend upon the results of an audition.

MUSIC 2260
Theory II
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the idioms of vocal melody through the writing and analysis of duple paraphrase, duple- and syncopated-rhythm counterpoint in two parts, and tonal homophony leading to the Chorale phrase and Bar form.
Prerequisite(s): Music 2160

MUSIC 2261
Musicianship Skills II
Credit hours: 1.5
Contact hours per week: 2-0-0
A practical approach to the cultivation of critical aural perception, specifically to develop the student's sight-singing, rhythm, transcription, and related keyboard skills.
Prerequisite(s): Music 2161
Corequisite(s): Music 2260

MUSIC 2280
History II: Late Renaissance and Baroque
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical survey of the music of the high Renaissance and Baroque eras with a special emphasis on style and genre and their aural reception. This course will also further develop the student's research and writing skills.
Prerequisite(s): Music 2180

MUSIC 2500
Introduction to Music Technology
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the requisite historical perspective, compositional techniques, and experience with software-based tools to create self-directed sound environments. Emphasis on digital audio theory and electronic/computer generated music to orient students to sound design, audio recording, abstract electronic composition, and new media applications. Topics include introductions to basic acoustics, studio and recording techniques, psychoacoustics, digital representations of sound, sampling, audio processing (DSP), MIDI applications, sequencing, music notation programs, and sound synthesis.
Prerequisite(s): A knowledge of music theory and rudiments
Recommended Background: Music 1011
Note: Credit is not allowed for Music 2500 subsequent to the completion of Music 2510.

MUSIC 2510
Introduction to Digital Audio
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the nature and properties of digital audio through theory and experiment. Max/MSP is used throughout the course as an experimental tool to investigate the technical principles of digital audio capture, storage, and processing, as well as the principles of other foundations of digital music technology. The requisite fundamentals of mathematics and physics that are required for an effective, informed sound engineering work are reviewed.
Prerequisite(s): Admission to the B.M. program with a major in Digital Audio Arts
Note: Studio course.

MUSIC 2550
Audio Production Techniques
Credit hours: 3.0
Contact hours per week: 2-1-0
An examination of analog/digital recording, signal processing techniques, synchronization, MIDI systems and sequencing, studio audio capture techniques (microphone placement), editing, mastering, and aesthetic considerations. Pre-production and post-production define the two principle areas of discussion. These subjects are aligned and presented in conjunction with studio and professional sound engineering protocols.
Corequisite(s): Music 2510
Equivalent: Music 3850 (Audio Production Techniques) (prior to 2009/2010)

MUSIC 3000
Seminar in Music (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Areas of special interest not covered by regular Music courses may be offered under this designation, depending on student interest and availability of faculty time and expertise.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

MUSIC 3030
Film Music
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of the major trends, styles, and composers of film music from the silent era until the present day.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)

MUSIC 3149
Composition I
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is designed to expose the student to the basic elements of music composition such as basic elements of notation; introduction to formal elements; basic pitch architectures; historical models for new works; elementary aesthetics.
Prerequisite(s): Music 3460
Note: Studio course.
This course is not open to students studying Composition in the Studio portion of any Music program.
MUSIC 3200
Popular Music (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings in subject areas dealing with significant developments in the Popular Music of the 20th and 21st Centuries.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Note: Not counted in the 16-course Arts and Science major or the core courses in the B.Mus. degree.

MUSIC 3249
Composition II
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is a continuation of Music 3149. Topics covered may include advanced notational techniques; the score and parts; continued exploration of basic pitch designs; rhythmic notation and basic organizational principles; basic concepts of orchestration; sophisticated historical models for new works; elementary aesthetics; and philosophy of music.
Prerequisite(s): Music 3149
Note: Studio course.

MUSIC 3261
Music in Recital
Credit hours: 3.0
Contact hours per week: 3-0-0
Through a series of weekly noon-hour recitals, this course builds listening skills by exposing students to a diverse cross-section of music from classical through jazz and world music. Preparatory lectures and assignments supplement the concert series by focusing on issues related to music performance and music philosophy. Students will be encouraged to engage the guest performers and composers in open discussion of the ideas and music presented in the recitals and lectures.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Note: Course is intended for non-music majors and is not counted toward the B.Mus. or B.A. Music major degrees.

MUSIC 3348
Studio III - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
Preparation and performance of appropriate technical exercises, studies and repertoire assigned by the instructor. Course requirements include: one hour of individual and up to four hours of master class instruction per week; concert attendance.
Prerequisite(s): A minimum grade of 'C' in Music 2248—see note below
Note: Studio course.
Should a grade of less than 'C' be earned in a prerequisite studio course, advancement in the studio sequence shall depend upon the results of an audition.

MUSIC 3360
Theory III
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the idioms of instrumental melody through the writing and analysis of triple paraphrase, triple- and quadruple-rhythm counterpoint in two parts, and chromatic homophony leading to the Minuet and Binary form.
Prerequisite(s): Music 2260

MUSIC 3361
Musicianship Skills II
Credit hours: 1.5
Contact hours per week: 2-0-0
A practical approach to the cultivation of critical aural perception, specifically to develop the student's sight-singing skills, rhythm, transcription, and related keyboard skills.
Prerequisite(s): Music 2261
Corequisite(s): Music 3360

MUSIC 3380
History III: Classical Music
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical survey of music from the preclassical styles of the mid-Eighteenth Century to the Viennese classicism of Haydn, Mozart, and Beethoven, with particular emphasis on style and genre and their aural recognition. This course will also introduce the student to various ways of writing about music and will continue to develop research and writing skills.
Prerequisite(s): Music 2260 AND Music 2280

MUSIC 3448
Studio IV - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
Preparation and performance of appropriate technical exercises, studies and repertoire assigned by the instructor. Course requirements include: one hour of individual and up to four hours of master class instruction per week; concert attendance.
Prerequisite(s): A minimum grade of 'C' in Music 3348—see note below
Note: Studio course.
Should a grade of less than 'C' be earned in a prerequisite studio course, advancement in the studio sequence shall depend upon the results of an audition.

MUSIC 3460
Theory IV
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of the diffusion of tonality in instrumental textures through the writing and analysis of chromatic paraphrase, florid counterpoint in two parts and chromatically-extended homophony leading to Ternary, Rondo, and Sonata forms.
Prerequisite(s): Music 3360

MUSIC 3461
Musicianship Skills IV
Credit hours: 1.5
Contact hours per week: 2-0-0
A practical approach to the cultivation of critical aural perception, specifically to develop the student's sight-singing, rhythm, transcription, and related keyboard skills.
Prerequisite(s): Music 3361
Corequisite(s): Music 3460

MUSIC 3480
History IV: Romantic Music
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical survey of the music of the Nineteenth Century with special emphasis on styles and genres and their aural recognition and the development of the student's writing and research skills.
Prerequisite(s): Music 2260 AND Music 2280
MUSIC 3500
Conducting I
Credit hours: 3.0
Contact hours per week: 3-0-3
Principles of conducting, style, score preparation, leadership, conducting and rehearsal techniques. Course requirements include participation in and observation of rehearsals and performances of a Department of Music ensemble as assigned by the instructor.
Prerequisite(s): MUSIC 2260 AND MUSIC 2261 AND one of MUSIC 3380 or MUSIC 3480
Note: Studio course.

MUSIC 3511
Modal Counterpoint
Credit hours: 3.0
Contact hours per week: 3-0-0
Modal melody and the combination of melodic lines in the 16th-Century contrapuntal style; appraisal of excerpts from the literature; composition of examples; development of parallel aural and sight-singing skills.
Prerequisite(s): MUSIC 3360 AND MUSIC 3461

MUSIC 3548
Studio V - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
A natural extension of the previous Studio course, but the literature selected is to be more demanding and a higher level of performance is expected. Course requirements include: one hour of individual and up to four hours of master class instruction per week; concert attendance.
Prerequisite(s): MUSIC 2260 AND MUSIC 2261 AND MUSIC 2280 AND a minimum grade of 'C' in MUSIC 3448—see note below
Note: Studio course.

MUSIC 3580
History V: Twentieth-Century Music
Credit hours: 3.0
Contact hours per week: 3-0-0
An historical survey of music in the Twentieth Century with special emphasis on styles and genres and their aural recognition and the development of the student’s writing and research skills.
Prerequisite(s): MUSIC 3460 AND MUSIC 3480

MUSIC 3600
Conducting II
Credit hours: 3.0
Contact hours per week: 3-0-3
Advanced principles of conducting, style, score preparation, leadership, conducting and research techniques; incorporating aspects of both choral and instrumental conducting.
Prerequisite(s): MUSIC 3360 AND MUSIC 3361 AND MUSIC 3500
Note: Studio course.
Participation/observation of rehearsals/performances of Department of Music ensembles.

MUSIC 3606
Orchestration
Credit hours: 3.0
Contact hours per week: 3-0-2
Characteristics and limitations of musical instruments; appraisal of compositions representative of various facets of the art of orchestration; scoring and arrangement for selected instrumental combinations. Course requirements may include: concert attendance, directed score study, prescribed listening.
Prerequisite(s): MUSIC 3460 AND MUSIC 3461

MUSIC 3612
Interactive Computer Music Performance and Production
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of present-day concepts of integrating technology with music, especially in relation to sensor-to-computer interfaces for creative expression and music production. Course activities are designed to give students the techniques and tools for creating their own interactive system and to prepare students for the increasing presence of interactive technology in the music studio and concert hall.
Prerequisite(s): MUSIC 3735
Equivalent: MUSIC 4610 (prior to 2015)
Note: Studio course.

MUSIC 3630
Advanced Audio Production Techniques
Credit hours: 3.0
Contact hours per week: 1-2-0
Further exploration of the audio post-production techniques introduced in Music 2550 with a focus on advanced audio capture, editing, mixing, mastering, and product production techniques. Emphasis on training the ears of the students to perceive the aesthetic impact of their technical decisions. Coursework will culminate in the creation of a large-scale audio recording project that is in compliance with industry standard audio engineering protocols.
Prerequisite(s): MUSIC 2550
Equivalent: MUSIC 4630 (prior to 2013/2014)
Note: Studio course.

MUSIC 3648
Studio VI - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
A natural extension of the previous Studio course, but the literature selected is to be more demanding and a higher level of performance is expected. Course requirements include: one hour of individual and up to four hours of master class instruction per week; concert attendance.
Prerequisite(s): A minimum grade of 'C' in MUSIC 3458—see note below
Note: Studio course.
Should a grade of less than ‘C’ be earned in a prerequisite studio course, advancement in the studio sequence shall depend upon the results of an audition.

MUSIC 3650
Location Recording and Production
Credit hours: 3.0
Contact hours per week: 1-2-0
A continuation of Music 3630 using an apprenticeship model whereby students receive hands-on experience with on-site audio captures and reproductions. Focus on specific theoretical constructs and manipulation of live analog and digital recordings. Students will record and produce professional quality CD reproductions of faculty, student, and guest artist performances. Topics include microphone selection and placement, managing environmental anomalies, stereo versus multi-miking situations, real-time digital and analog processing, mastering, and the psychometrics of capturing live audio.
Prerequisite(s): MUSIC 3460 AND MUSIC 3630
Note: Studio course.
MUSIC 3660  
Theory V  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A study of the major analytical theories of twentieth-century music; analysis of representative repertoire.  
Prerequisite(s): Music 3460

MUSIC 3670  
Audio Synthesis  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course provides the requisite technical background and theoretical framework for digital sound synthesis methods and audio processing techniques. It begins with a theoretical and practical study of spectral representation, spectral analysis, and spectral modification of sound. Digital sound synthesis and sound processing techniques are then presented as specific spectral models or as projected alterations of sonic structures. The capabilities, properties, and limitations of various types of audio processing for sound synthesis are explored.  
Prerequisite(s): Music 2181 AND Music 2510  
Note: Studio course.

MUSIC 3721  
World Music  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to music in selected world cultures and to the field of ethnomusicology.  
Prerequisite(s): Music 2180  
OR  
Music 1000 AND  
15 university-level courses (a minimum of 45.0 credit hours)

MUSIC 3734  
Portfolio and Music Industry  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A survey of the present-day music industry. Students explore how to uncover and expose their musical passion and talent, while expanding their ability to organise professional opportunities, develop professional connections, and increase their potential to work in a competitive field. Models for the production, promotion, distribution, and sales of recorded and live music are studied. Students are required to propose and support new twenty-first century models that include the development of a professional web-based portfolio.  
Prerequisite(s): Music 2550 OR 15 university-level courses (a minimum of 45.0 credit hours)

MUSIC 3735  
Electronics for Music Applications  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to the fundamentals of electricity, magnetism, and solid-state circuit design as it applies to music technology. Introduction to reading of technical schematics, electrical troubleshooting, RF susceptibility issues, filtering, balanced and unbalanced lines, impedance, and digital encoding techniques.  
Prerequisite(s): Music 2510  
Note: Studio course.

MUSIC 3738  
Systems for Computer Assisted Education  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A survey of computer software and hardware available for music education in conjunction with a literature review of the use of technology in music curricula. The pedagogical approaches that utilize these systems will be examined and coupled with practical 'hands-on' learning and teaching experience. The materials explored include notation, recording, ear training, sampling, and sound generating tools.  
Prerequisite(s): Music 2550

MUSIC 3750  
Topics in Music  
Credit hours: 3.0  
Contact hours per week: Variable  
Topics in Music not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.

MUSIC 3871  
Opera Workshop I  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Other hours: 0-0-30  
Preparation and performance of musical material in an opera workshop production.  
Prerequisite(s): Audition  
Recommended Background: Music 2248  
Note: Studio course. Students are required to participate in associated rehearsals and perform in the production prior to receiving a final grade for the course. Production dates may overlap one or more semesters.

MUSIC 4000  
Seminar in Music (Series)  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Topics of special interest not covered by regular music courses may be offered under this designation, depending on student interest and availability of faculty.  
Prerequisite(s): Will be specified (including any recommended background) for individual offerings.

MUSIC 4060  
History VI: Advanced Study in Music  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A research-oriented seminar.  
Prerequisite(s): Music 4660

MUSIC 4600  
Data Structures and Algorithms  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to the data structures and algorithms utilized in the creation of symbolic computational models for computer-assisted composition and interactive computer music. Topics include data types, lists, arrays and structures, set complexes, groups, rhythm trees, symbolic models for compositional architecture, algorithm design, logical operators, and algorithms for interactive computer music.  
Prerequisite(s): Music 3670  
Note: Studio course.
MUSIC 4632
Programming for Music Applications
Credit hours: 3.0
Contact hours per week: 3-0-0
An advanced composition course focusing on creating scores for film, documentaries, and digital media. A study of film/media music editing and compositional techniques from both historical and contemporary perspectives. Production of an original score using the techniques described and production/recording processes available.
Prerequisite(s): M usic 4632
Note: Studio course.

MUSIC 4636
Scoring for Film and Digital Media
Credit hours: 3.0
Contact hours per week: 3-0-0
A continuation of Music 4632, this is an advanced course in the design, programming, debugging, and packaging of music software. Topics may include: data compression and decompression algorithms; music and audio support in current programming languages; the development of object-oriented software for interactive and/or networked music and audio; and source code development for distribution and beta testing. Students will complete a large software application project.
Prerequisite(s): Music 4632

MUSIC 4637
Audio Spatialization Techniques
Credit hours: 3.0
Contact hours per week: 3-0-0
An advanced course in the design, programming, debugging, and packaging of music software. Topics may include: data compression and decompression algorithms; music and audio support in current programming languages; the development of object-oriented software for interactive and/or networked music and audio; and source code development for distribution and beta testing. Students will complete a large software application project.
Prerequisite(s): M usic 4632
Note: Studio course.

MUSIC 4640
Form and Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of standard forms and analytical procedures using selected examples from the musical literature.
Prerequisite(s): Music 3640

MUSIC 4648
Studio VIII - (Instrument)
Credit hours: 3.0
Contact hours per week: 1-4-0
A research and creation course in which students receive instruction and direction with regards to project conception, development, production, and dissemination. Each student undertakes activities aimed at developing and maintaining their own research plan throughout the semester and improving their individual and collaborative presentation skills. A final research-creation production is required by the end of the course.
Prerequisite(s): Music 4748—see note below
Note: Studio course.

MUSIC 4671
Canadian Music
Credit hours: 3.0
Contact hours per week: 3-0-0
A continuation of Music 4748—see note below
Prerequisite(s): A minimum grade of 'C' in Music 4748—see note below

MUSIC 4749
Applied Research in Digital Audio Arts I
Credit hours: 3.0
Contact hours per week: 3-0-0
A research and creation course in which students receive instruction and direction with regards to project conception, development, production, and dissemination. Each student undertakes activities aimed at developing and maintaining their own research plan throughout the semester and improving their individual and collaborative presentation skills. A final research-creation production that illustrates the results of a student's academic work in both Applied Research and the Digital Audio Arts major is required by the end of the course.
Prerequisite(s): Music 4749
Note: Studio course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Contact Hours Per Week</th>
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</thead>
<tbody>
<tr>
<td>MUSIC 4850</td>
<td>Topics in Music</td>
<td>3.0</td>
<td>Variable</td>
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<tr>
<td>MUSIC 4871</td>
<td>Opera Workshop II</td>
<td>3.0</td>
<td>3-0-0</td>
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<td>0-0-30</td>
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<tr>
<td></td>
<td>Preparation and performance of musical material in an opera workshop production.</td>
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<td></td>
<td>Prerequisite(s): Music 3871 AND Audition</td>
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<td>Recommended Background: Music 2248</td>
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<td>Note: Studio course</td>
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<td>Students are required to participate in associated rehearsals and perform in the production prior to receiving a final grade for the course. Production dates may overlap one or more semesters.</td>
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<tr>
<td>MUSIC 5000</td>
<td>Musicology Seminar (Series)</td>
<td>3.0</td>
<td>3-0-0</td>
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<td>Areas of special interest not covered by regular music courses may be offered under this designation, depending upon student interest and availability of expertise.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5010</td>
<td>Music Theory Seminar (Series)</td>
<td>3.0</td>
<td>3-0-0</td>
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<td>Areas of special interest not covered by regular music courses may be offered under this designation, depending upon student interest and availability of expertise.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5450</td>
<td>Collaborative Piano/Guitar - Voice</td>
<td>3.0</td>
<td>2-0-1</td>
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<td></td>
<td>Studies in vocal accompanying performance and literature. Bi-weekly class performances and bi-weekly coaching with the instructor, with other performances as arranged. A written project related to the performance repertoire will be required.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5451</td>
<td>Collaborative Piano/Guitar - Instruments</td>
<td>3.0</td>
<td>2-0-1</td>
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<td></td>
<td>Studies in instrumental accompanying performance and literature. Bi-weekly class performances and coaching with the instructor, with other performances as arranged. A written project related to the performance repertoire will be required.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5452</td>
<td>Collaborative Piano/Guitar - Instruments</td>
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<td>2-0-1</td>
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<td></td>
<td>Studies in instrumental accompanying performance and literature. Bi-weekly class performances and coaching with the instructor, with other performances as arranged. A written project related to the performance repertoire will be required.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5453</td>
<td>Collaborative Piano/Guitar - Voice</td>
<td>3.0</td>
<td>2-0-1</td>
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<td>Studies in vocal accompanying performance and literature. Bi-weekly class performances and bi-weekly coaching with the instructor, with other performances as arranged. A written project related to the performance repertoire will be required.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5460</td>
<td>Collaborative Piano/Guitar - Instruments</td>
<td>3.0</td>
<td>2-0-1</td>
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<td></td>
<td>Studies in instrumental accompanying performance and literature. Bi-weekly class performances and coaching with the instructor, with other performances as arranged. A written project related to the performance repertoire will be required.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5748</td>
<td>Graduate Studio I</td>
<td>3.0</td>
<td>1-4-0</td>
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<td>One hour of individual and up to four hours of master class instruction per week.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5758</td>
<td>Recital</td>
<td>3.0</td>
<td>1-4-0</td>
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<td>One hour of individual and up to four hours of master class instruction per week. Design and presentation of a full-length recital.</td>
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<td>Prerequisite(s): Music 5748</td>
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<td>Note: All prerequisite courses must have a minimum 'B-' grade.</td>
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<tr>
<td>MUSIC 5848</td>
<td>Graduate Studio II</td>
<td>3.0</td>
<td>1-4-0</td>
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<td>One hour of individual and up to four hours of master class instruction per week.</td>
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<td>Prerequisite(s): Music 5748</td>
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<td>Note: All prerequisite courses must have a minimum 'B-' grade.</td>
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<tr>
<td>MUSIC 5850</td>
<td>Special Topics in Music</td>
<td>3.0</td>
<td>3-0-0</td>
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<td>Topics in music not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5871</td>
<td>Opera Workshop I</td>
<td>3.0</td>
<td>3-0-0</td>
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<td></td>
<td>Preparation and performance of musical material in an opera workshop production.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 5872</td>
<td>Opera Workshop II</td>
<td>3.0</td>
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<td>Preparation and performance of musical material in an opera workshop production.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<tr>
<td>MUSIC 6001</td>
<td>Research Project</td>
<td>12.0</td>
<td>1-4-0</td>
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<td>A public lecture recital performed in the second year of the M.Mus. program. The topic of the lecture recital is the research project approved by the M.F.A./M.Mus. Program Committee. Its duration is approximately one hour (30 minutes each for lecture and performance). Questions from the audience may follow the lecture recital. The lecture recital's research project forms the basis of a written thesis. Both the research project and the written thesis will be defended in the Final Written Thesis Defence/Oral Examination.</td>
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<td>Prerequisite(s): Admission to the M.Mus. program</td>
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<td>Grading: Pass/Fail</td>
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MUSIC 6002
Written Thesis
Credit hours: 12.0
A written thesis no less than 30 pages represents a more formal version of the research project presented during the lecture recital. The format and direction of the written Thesis must be determined by the student in consultation with the supervisor. The proposed written Thesis must be approved by the Supervisory Committee. When complete, the candidate must defend the Thesis in an oral examination.
Prerequisite(s): Admission to the M.Mus. program
Grading: Pass/Fail

MUSIC ENSEMBLE ACTIVITY 1350
University Wind Orchestra I
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Audition—contact the Department of Music for further details
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1351
University Wind Orchestra II
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Music Ensemble Activity 1350 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1360
Orchestra I
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Audition—contact the Department of Music for further details
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1361
Orchestra II
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Music Ensemble Activity 1360
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1550
University Singers I
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers' activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Audition—contact the Department of Music for further details
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1551
University Singers II
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers' activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Music Ensemble Activity 1550 OR Music Ensemble Activity 1560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 1560
Women's Chorus I
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women's chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women's Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Audition - contact the Department of Music for further details.
Equivalent: Music Ensemble Activity 2850 (Women's Chorus I) (prior to 2010/2011)
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1561
Women's Chorus II
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women's chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women's Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 1550 or Music Ensemble Activity 1560 AND Audition
Equivalent: Music Ensemble Activity 3850 (Women's Chorus II) (prior to 2010/2011)
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1650
Percussion Ensemble I
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in percussion and world music including African drumming and steel drums. Weekly rehearsals.
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1651
Percussion Ensemble II
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in percussion and world music including African drumming and steel drums. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 1650
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2150
Vox Musica III
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. The choir's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Music Ensemble Activity 1151
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2151
Vox Musica IV
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. The choir's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Music Ensemble Activity 1351
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2350
University Wind Orchestra III
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Music Ensemble Activity 2350 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2351
University Wind Orchestra IV
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): Music Ensemble Activity 2350 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2360
Orchestra III
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Music Ensemble Activity 1361
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2361
Orchestra IV
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required.
Prerequisite(s): Music Ensemble Activity 2360
Note: Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 2450
Collaborative Piano/Guitar - Fundamentals
Credit hours: 1.5
Contact hours per week: 1.5-0-0
Other hours: 0-0-6
An introduction to the English and Italian literature for piano/guitar and voice, and to the musical interpretation of text. Introduction to English lyric diction and the International Phonetic Alphabet (IPA). Bi-weekly class performances with a vocal partner, bi-weekly duo coaching, and semester-end recital.
Prerequisite(s): Music Ensemble Activity 2450

MUSIC ENSEMBLE ACTIVITY 2451
Collaborative Piano/Guitar with Voice I
Credit hours: 1.5
Contact hours per week: 1.5-0-0
Other hours: 0-0-6
An introduction to the English and Italian literature for piano/guitar and voice, and to the musical interpretation of text. Introduction to English lyric diction and the International Phonetic Alphabet (IPA). Bi-weekly class performances with a vocal partner, bi-weekly duo coaching, and semester-end recital.
Prerequisite(s): Music Ensemble Activity 2450

MUSIC ENSEMBLE ACTIVITY 2550
University Singers III
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers’ activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2550 or Music Ensemble Activity 2560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2551
University Singers IV
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers’ activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2550 or Music Ensemble Activity 2560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2560
Women’s Chorus III
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women’s chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. Women’s Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2550 or Music Ensemble Activity 2560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2561
Women’s Chorus IV
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women’s chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. Women’s Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2550 or Music Ensemble Activity 2560 AND Audition
Equivalent: Music Ensemble Activity 2850 (Women’s Chorus) (prior to 2010/2011)
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2650
Percussion Ensemble III
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in percussion and world music including African drumming and steel drums. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 1651
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2651
Percussion Ensemble IV
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in percussion and world music including African drumming and steel drums. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 2650
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 2950
Jazz Ensemble I
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in jazz performance with a focus on historical and stylistic performance practices. Weekly rehearsals.
Prerequisite(s): Audition — contact the Department of Music for further details
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 2951
Jazz Ensemble II
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in jazz performance with a focus on historical and stylistic performance practices. Weekly rehearsals. Prerequisite(s): Music Ensemble Activity 2950 and Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3150
Vox Musica V
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. Weekly rehearsals and performances as may be arranged. Prerequisite(s): Music Ensemble Activity 2151
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3151
Vox Musica VI
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. Weekly rehearsals and performances as may be arranged. Prerequisite(s): Music Ensemble Activity 3150
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3350
University Wind Orchestra V
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. Weekly rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 2351 and Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3351
University Wind Orchestra VI
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. Weekly rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 3350 and Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3352
Contemporary and Electroacoustics Ensemble I
Credit hours: 1.5
Contact hours per week: 0-0-3
Performance of contemporary art music of the last several decades, with the possibility of performing compositions that integrate acoustic instrumental music with electroacoustic musical forms. Activities consist of studying traditional performance practices and engaging in experimental approaches that include developing new digital instruments, creating new performance paradigms, applying creative sound production techniques, and exploring a potential for new forms of musical expressivity through contemporary music. Prerequisite(s): Music 3612 or Audition
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3360
Orchestra V
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 2361
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3361
Orchestra VI
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 3360
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3450
Collaborative Piano/Guitar with Voice II
Credit hours: 1.5
Contact hours per week: 2-0-0
Other hours: 0-0-6
An introduction to the literature for piano/guitar and voice in French and German. Bi-weekly class performances with a vocal partner, bi-weekly duo coaching, and semester-end recital. Prerequisite(s): Music Ensemble Activity 2451

MUSIC ENSEMBLE ACTIVITY 3451
Collaborative Piano/Guitar - Instruments
Credit hours: 1.5
Contact hours per week: 2-0-0
Other hours: 0-0-6
Introduction to the literature for piano/guitar and one or two instruments (woodwinds, brass, or strings), including orchestral reductions. Bi-weekly class performances, bi-weekly coaching, and semester-end recital. Prerequisite(s): Music Ensemble Activity 3450

MUSIC ENSEMBLE ACTIVITY 3452
Contemporary and Electroacoustics Ensemble II
Credit hours: 1.5
Contact hours per week: 0-0-3
Performance of contemporary art music of the last several decades, with the possibility of performing compositions that integrate acoustic instrumental music with electroacoustic musical forms. Activities consist of studying traditional performance practices and engaging in experimental approaches that include developing new digital instruments, creating new performance paradigms, applying creative sound production techniques, and exploring a potential for new forms of musical expressivity through contemporary music. Prerequisite(s): Music Ensemble Activity 3352
Note: Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 3550
University Singers V
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers' activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2551 or Music Ensemble Activity 2561 AND Audition

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3551
University Singers VI
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers' activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 3550 or Music Ensemble Activity 3560 AND Audition

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3560
Women's Chorus V
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women's chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women's Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 2551 or Music Ensemble Activity 2561 AND Audition

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3561
Women's Chorus VI
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women's chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women's Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 3550 or Music Ensemble Activity 3560 AND Audition

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3750
Collegium Musicum I
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in early music performance practice with a focus on the music of the Medieval and Renaissance periods. This ensemble's activities will include the preparation for performance of early music, making use of the Department's collection of early instruments. Weekly rehearsals.
Prerequisite(s): Audition—contact the Department of Music for further details

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3751
Collegium Musicum II
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies in early music performance practice with a focus on the music of the Medieval and Renaissance periods. This ensemble's activities will include the preparation for performance of early music, making use of the Department's collection of early instruments. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 3750 AND Audition

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3850
Chamber Music I
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performances with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances as required.
Prerequisite(s): Audition—only pre-arranged ensembles may apply; contact the Department of Music for further details

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3870
Chamber Music II
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performances with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances as required.
Prerequisite(s): Music Ensemble Activity 3870

Note: Subject to availability of the instructor.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3950
Jazz Ensemble III
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of jazz performance with a focus on historical and stylistic performance practices. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 2951

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 3951
Jazz Ensemble IV
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of jazz performance with a focus on historical and stylistic performance practices. Weekly rehearsals.
Prerequisite(s): Music Ensemble Activity 3950

Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 4150 - Music Ensemble Activity 4550

MUSIC ENSEMBLE ACTIVITY 4150
Vox Musica VII
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. The choir’s activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 3151
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4151
Vox Musica VIII
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of choral singing, with a focus on historical and stylistic performance practices in connection with selected choral literature. The choir’s activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be required. Prerequisite(s): Music Ensemble Activity 4150
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4350
University Wind Orchestra VII
Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged. Prerequisite(s): Music Ensemble Activity 3351
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4351
University Wind Orchestra VIII
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies of the art of wind ensemble performance with a focus on historical and stylistic performance practices in connection with selected wind ensemble literature. The wind ensemble's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged. Prerequisite(s): Music Ensemble Activity 4350 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4352
Contemporary and Electroacoustics Ensemble III
Credit hours: 1.5
Contact hours per week: 0-0-3
Performance of contemporary art music of the last several decades, with the possibility of performing compositions that integrate acoustic instrumental music with electroacoustic musical forms. Activities consist of studying traditional performance practices and engaging in experimental approaches that include developing new digital instruments, creating new performance paradigms, applying creative sound production techniques, and exploring a potential for new forms of musical expressivity through contemporary music. Prerequisite(s): Music Ensemble Activity 4352
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4360
Orchestra VII
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers’ activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged. Prerequisite(s): One of Music Ensemble Activity 3551 or Music Ensemble Activity 3561 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4361
Orchestra VIII
Credit hours: 1.5
Contact hours per week: 0-0-3
Other hours: 0-0-15
Participatory studies in the art of orchestral performance. The Orchestra's activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged. Prerequisite(s): Music Ensemble Activity 4351
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4452
Contemporary and Electroacoustics Ensemble IV
Credit hours: 1.5
Contact hours per week: 0-0-3
Performance of contemporary art music of the last several decades, with the possibility of performing compositions that integrate acoustic instrumental music with electroacoustic musical forms. Activities consist of studying traditional performance practices and engaging in experimental approaches that include developing new digital instruments, creating new performance paradigms, applying creative sound production techniques, and exploring a potential for new forms of musical expressivity through contemporary music. Prerequisite(s): Music Ensemble Activity 4352
Note: Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4550
University Singers VII
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers’ activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged. Prerequisite(s): One of Music Ensemble Activity 3551 or Music Ensemble Activity 3561 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.
MUSIC ENSEMBLE ACTIVITY 4551
University Singers VIII
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The University Singers’ activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 4550 or M music Ensemble Activity 4560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4560
Women’s Chorus VII
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women’s chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women’s Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 3551 or Music Ensemble Activity 3561 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4561
Women’s Chorus VIII
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory studies in women’s chamber choir performance with a focus on historical and stylistic performance practices within the chamber choir literature. The Women’s Chorus activities consist of two weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
Prerequisite(s): One of Music Ensemble Activity 4550 or Music Ensemble Activity 4560 AND Audition
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4870
Chamber Music III
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 3871
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4871
Chamber Music IV
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4870
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4875
Chamber Music V
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4874
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4878
Chamber Music VI
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4877
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4880
Chamber Music VII
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4879
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4550
Music Ensemble Activity 4550 - Native American Studies 2000
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory ensemble studies in a Department of Music approved ensemble. Weekly rehearsals with supplementary rehearsals and performances as required.
Prerequisite(s): Admission to the M.Mus. program
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 4560
Music Ensemble Activity 4560 - Native American Studies 2000
Credit hours: 1.5
Contact hours per week: 0-0-4
Participatory ensemble studies in a Department of Music approved ensemble. Weekly rehearsals with supplementary rehearsals and performances as required.
Prerequisite(s): Admission to the M.Mus. program
Note: Also available to all qualified students on a non-credit basis.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5770
Chamber Music III
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 3871
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5771
Chamber Music IV
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4870
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5775
Chamber Music V
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4874
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5780
Chamber Music VI
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4877
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5880
Chamber Music VII
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4879
Note: Subject to availability of the instructor and funding.
Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 5885
Chamber Music VIII
Credit hours: 1.5
Contact hours per week: 1-0-3
Chamber music performance with a focus on historical and stylistic performance practices. Weekly one-hour coachings; weekly rehearsals with supplementary rehearsals and performances required.
Prerequisite(s): M music Ensemble Activity 4880
Note: Subject to availability of the instructor and funding.
Attendance requirement.

NATIVE AMERICAN STUDIES
Faculty of Arts and Science

NATIVE AMERICAN STUDIES 1000
Introduction to Native American Studies
Credit hours: 3.0
Contact hours per week: 3-0-0
Native culture and heritage from traditional through contemporary times. A general survey of disciplinary areas such as art, politics, language and history.

NATIVE AMERICAN STUDIES 2000
Native American Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of the underlying philosophies, perceptions of reality and world-views of Native Americans.
Prerequisite(s): Native American Studies 1000
### NATIVE AMERICAN STUDIES 2100
**Aboriginal Peoples and Law**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Historical and comparative exploration of the role of law in managing relationships between indigenous peoples and immigrants, including an introduction to basic concepts and theories in human rights, Western jurisprudence and the study of Colonial and post-Colonial institutions, focusing on Canadian Native peoples, their Aboriginal rights, treaties and the operation of the Indian Act.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2150
**Native Rights in the United States**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the legal relationships between Native peoples and the United States government; Aboriginal rights, treaties, Indian Reorganization Act and certain rights such as hunting, fishing, trapping and taxation.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2230
**Family and First Nations’ Community Development**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- This course explores the role of families, clans and institutions in Aboriginal self-government.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2300
**North American Indian Art History and Theory**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the political, cultural and historical arguments for North American Indian art. Theoretical and historical topics of discussion will be of primary concern.

### NATIVE AMERICAN STUDIES 2350
**North American Indian Art Studio**
- Credit hours: 3.0
- Contact hours per week: 6-0-0
- Studio course.
- Recommended Background: One of Native American Studies 1000, Native American Studies 2300, or Art History/Museum Studies 1000

### NATIVE AMERICAN STUDIES 2400
**Traditional Aboriginal Political Economy**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Drawing on Aboriginal philosophy and analytical methods from geography, economic anthropology and sociology; an exploration of interrelationships between technology, ecology, culture and the distribution of goods; status and power in Aboriginal societies, in North America and elsewhere; and the changes brought about by their historical integration into market economies.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2500
**Canadian Indian History**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the history of the Aboriginal peoples of Canada from the pre-Colonial period to the present.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2550
**North American Indian Art History**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the history of Indians in the United States from the pre-Colonial period to the present.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2600
**Native American Literature**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the North American Native in literature as developed by Native and non-Native writers.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2700
**Native American Women**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Survey of the traditional and contemporary role of women in Native American culture and society, including the impact of external policy decisions on these roles.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 2800
**Native American Politics**
- Contact hours per week: 3-0-0
- The contemporary political situation of Indians in Canada from a Native perspective. Evolution and development of government-Native relations.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 3000
**Native American Philosophy - Advanced**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- Philosophical examination of Native American religious beliefs.
- Prerequisite(s): Native American Studies 2000

### NATIVE AMERICAN STUDIES 3250
**Management 3500**
- **Financial Management in Aboriginal Communities**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- For both private and public Aboriginal organizations, financial evaluation of development projects and capital purchase; identification of sources of capital in the public and private sectors; making and using budgets; pension programs; financial planning; loan qualification criteria; and analysis of financial statements to ensure financial control.
- Prerequisite(s): Native American Studies 1000

### NATIVE AMERICAN STUDIES 3280
**Aboriginal Peoples and Natural Resources**
- Credit hours: 3.0
- Contact hours per week: 3-0-0
- This course explores the opportunities and constraints that Aboriginal peoples encounter in their efforts to use water resources, fisheries, forestry resources, wildlife, land and non-renewable resources and to gain management power over these resources.
- Prerequisite(s): Native American Studies 1000
NATIVE AMERICAN STUDIES 3300
Canadian Indian Art History and Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of the political, cultural and historical arguments for Canadian Indian art. Theoretical and historical topics of discussion will be of primary concern.
Prerequisite(s): Native American Studies 2300

NATIVE AMERICAN STUDIES 3350
North American Indian Art Studio - Advanced
Credit hours: 3.0
Contact hours per week: 6-0-0
Advanced techniques and design utilizing experimental art forms and philosophy as derived from the Native American perspective.
Prerequisite(s): Native American Studies 2350
Note: Studio course.

NATIVE AMERICAN STUDIES 3400
Contemporary Aboriginal Political Economy
Credit hours: 3.0
Contact hours per week: 3-0-0
Comparative examination of inter-relationships between land, forms of self-government, socio-economic development strategy and environmental sustainability for contemporary Aboriginal peoples in North America and other regions of the world, with an emphasis on implications for Aboriginal peoples’ policy and administration in Canada, and focus on learning relevant field research skills.
Prerequisite(s): Native American Studies 2400

NATIVE AMERICAN STUDIES 3500
History of Prairie Indian Treaties
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of historical accounts of treaty negotiations and consequences on the prairies, with special attention to treaty periods in Alberta.
Prerequisite(s): Native American Studies 2500

NATIVE AMERICAN STUDIES 3506/
MANAGEMENT 3506
Aboriginal Small Business and Entrepreneurship in Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
Aboriginal communities have an increasing interest in small business and entrepreneurship. This course provides the theoretical and practical knowledge necessary to set and manage a small aboriginally-owned and operated business, both inside and outside of aboriginal communities. Various technical and policy issues will be covered, and special attention will be paid to tribally-owned aboriginal small business.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Recommended Background: Management 2100 AND Native American Studies 1000
Equivalent: Native American Studies 4206/
Management 4506 (prior to 2013/2014)

NATIVE AMERICAN STUDIES 3550
U.S. Indian Policy
Credit hours: 3.0
Contact hours per week: 3-0-0
Major U.S. policy decisions regarding Indians and Indian land from the Act of 1830 to the present.
Prerequisite(s): Native American Studies 2550

NATIVE AMERICAN STUDIES 3590/
MANAGEMENT 3590
Current Practices in Aboriginal Governments
Credit hours: 3.0
Contact hours per week: 3-0-0
This course focuses on contemporary aboriginal governments, their relationship with their constituencies and the political value systems within which they operate. A series of case studies will be used to consider the political and fiscal, environmental constraints on aboriginal policy-making and political practices.

NATIVE AMERICAN STUDIES 3600
Native American Literature - Advanced
Credit hours: 3.0
Contact hours per week: 3-0-0
Native American cosmology and thought as seen in Native American literature from oral literature to contemporary literature.
Prerequisite(s): Native American Studies 1000
Recommended Background: Native American Studies 2000

NATIVE AMERICAN STUDIES 3700
Native American Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Health conditions of Native Americans and a survey of related health services and agencies, especially in Canada.
Prerequisite(s): Native American Studies 1000 AND Second-year standing (a minimum of 30.0 credit hours)

NATIVE AMERICAN STUDIES 4120/
MANAGEMENT 4507
Historical and Legal Aspects of First Nations’ Governments
Credit hours: 3.0
Contact hours per week: 3-0-0
Historical and legal exploration of First Nations’ Governments, including pre-European contact, traditional forms of governments to present forms of First Nations’ Governments under Canadian Law. Examination of sources of legal authority, legal status, and powers of First Nations’ Governments, including sovereignty and case law.
Prerequisite(s): Native American Studies 2100

NATIVE AMERICAN STUDIES 4150/
MANAGEMENT 4508
Administrative Aspects of First Nations’ Governments
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of infrastructures and organization of First Nations’ Governments and their administration of education, housing, public works, policing, social services, natural resources, health, and other programs.
Prerequisite(s): Native American Studies 2100
NATIVE AMERICAN STUDIES 4200
Law and Aboriginal Development in Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
Systematic study of Canadian legislation, judicial decisions and legal principles relevant to self-government and development in Aboriginal communities and territories, focusing on skills in legal research, the interpretation of legal materials and use of legal argumentation in areas such as taxation, licensing, natural resource leasing and regulatory jurisdiction.
Prerequisite(s): Native American Studies 2100 AND Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Native American Studies 3100 (prior to 2013/2014)

NATIVE AMERICAN STUDIES 4400
Indians and the Criminal Justice System
Credit hours: 3.0
Contact hours per week: 3-0-0
Criminal justice, the penal system and Native Americans.
Prerequisite(s): Native American Studies 2100 AND Third-year standing (a minimum of 60.0 credit hours)

NATIVE AMERICAN STUDIES 4700
The Métis
Credit hours: 3.0
Contact hours per week: 3-0-0
History, socio-cultural aspects and contemporary issues of the Métis.
Prerequisite(s): One of Native American Studies 2100 or Native American Studies 2500 AND Third-year standing (a minimum of 60.0 credit hours)

NATIVE AMERICAN STUDIES 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research and/or fieldwork oriented course in which students will conduct research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the project. In consultation with their Thesis Supervisor, students will define a research and/or fieldwork project and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

NEUROSCIENCE 1000
Introduction to Neuroscience
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the brain and how its ability to process information affects the way we interact with each other and the world around us.

NEUROSCIENCE 2600
Brain and Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories and research on brain function and its relation to behaviour in humans and other animals.
Prerequisite(s): One of Neuroscience 1000, Biology 1010, or Psychology 1000

NEUROSCIENCE 3600
Fundamental Neurobiology
Credit hours: 3.0
Contact hours per week: 3-0-0
The basic principles of brain structure and function.
Prerequisite(s): One of Neuroscience 2600 or Biology 2000

NEUROSCIENCE 3605
Research Methods in Neuroscience
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the techniques and methods used in modern neuroscience research.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: One of Neuroscience 2600 or Biology 2000
Note: Students who wish to pursue graduate studies in Neuroscience should take Neuroscience 3605.

NEUROSCIENCE 3610
Human Neuropsychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Theories and research on human brain function and the diagnosis of brain damage in humans. Study of brain asymmetry and effect of neurological disorders on complex psychological functions such as language, perception, memory and personality.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: Neuroscience 2600

NEUROSCIENCE 3615
Functional Neuroanatomy
Credit hours: 3.0
Contact hours per week: 3-0-0
A detailed examination of the functional organization of the mammalian brain. Students are expected to have an introductory-level understanding of the brain.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: Neuroscience 2600

NEUROSCIENCE 3625
Cellular and Molecular Neurobiology
Credit hours: 3.0
Contact hours per week: 3-0-0
Genetic and environmental influences on the regulation of cellular and molecular processes underlying brain function and behaviour. The implications of these processes for understanding diseases of the nervous system will be emphasized.
Prerequisite(s): Biology 2000
Recommended Background: Neuroscience 2600
NEUROSCIENCE 3640
Brain Plasticity and Memory
Credit hours: 3.0
Contact hours per week: 3-0-0
Molecular and morphological bases of experience-induced changes in the brain.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: Neuroscience 2600

NEUROSCIENCE 3645
Cognitive Neuroscience I
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of the neural mechanisms that convert sensory stimuli into perceptual experiences. Emphasis on sensory physiology, perception, and the attentional processes that filter sensory input.
Prerequisite(s): Neuroscience 2600 AND One course (3.0 credit hours) at the 2000 level in Psychology
Recommended Background: Psychology 2320
Equivalent: Neuroscience 3680 (Cognitive Neuroscience I: Sensory Physiology, Perception and Attention) (prior to 2014/2015)

NEUROSCIENCE 3655
Cognitive Neuroscience II
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of the methods and findings which connect mental processes with the brain, with emphasis on higher-level functions such as cognitive control, emotion, memory, and consciousness.
Prerequisite(s): Neuroscience 2600 AND One course (3.0 credit hours) at the 2000 level in Psychology
Recommended Background: Neuroscience 3645
Equivalent: Neuroscience 3680 (Cognitive Neuroscience II: Memory, Emotion and Higher Cortical Function) (prior to 2014/2015)

NEUROSCIENCE 3680
Neuroscience (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings will focus on the relationship between the structure and the function of the nervous system. Specific offerings may include the cellular basis of nervous system disorders, the biological basis of behaviour, and the neural substrates of cognitive processes.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: Neuroscience 2600

NEUROSCIENCE 3690
Introduction to Programming and Statistics in MATLAB
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to programming in MATLAB. Acquisition of basic MATLAB programming skills, data analysis, and application of different statistical methods.
Prerequisite(s): Two courses (6.0 credit hours) at the 2000 level designated ‘Science’ — see Part 4 - Academic Regulations, Section 10, List III: Science Courses, p. 85
Equivalent: Neuroscience 3850 (Statistics and Programming in Matlab) (prior to 2014/2015); Neuroscience 3850 (Introduction to Programming for Neurobiologists) (prior to 2014/2015)

NEUROSCIENCE 3705
Evolution of Brain and Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will examine how understanding the function and evolutionary origins of behaviour can enhance our understanding of the organization and function of the brain. Emphasis will be placed on problems, such as finding food and avoiding predators, finding mates, and communicating with social partners, that have shaped the relationship between brains and behaviour.
Prerequisite(s): Neuroscience 2600
Recommended Background: Psychology 2700

NEUROSCIENCE 4600
Understanding Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
How and why do we do what we do? Once a decision to act is taken, how is a coherent set of movements strung together to achieve the appropriate outcome? The course will explore the theoretical frameworks that have been used to explain the organization of action.
Prerequisite(s): Two courses (6.0 credit hours) at the 3000 level in Neuroscience or Psychology
Recommended Background: One of Neuroscience 3705 or Psychology 2700
Equivalent: Neuroscience 4850 (Understanding Behaviour) (prior to 2014/2015)

NEUROSCIENCE 4620
Introduction to Computation in Neural Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
Theoretical principles and biological mechanisms underlying how brains acquire, assimilate, store, and retrieve information, and how they compute adaptive responses to external inputs.
Prerequisite(s): Two courses (6.0 credit hours) at the 3000 level or higher in Biology, Computer Science, Mathematics, Neuroscience, Physics, or Psychology
Recommended Background: Neuroscience 3600
Equivalent: Neuroscience 3680 (Introduction to Computational Neural Systems) (prior to 2014/2015); Neuroscience 3850 (Introduction to Computational Neural Systems) (prior to 2014/2015)
NEUROSCIENCE 4630
Neuroscience (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced seminars in Neuroscience. Offerings will focus on the relationship between the structure and the function of the nervous system. Specific offerings may include the cellular basis of nervous system disorders, the biological basis of behaviour, and the neural substrates of cognitive processes.
Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Neuroscience or Psychology
Recommended Background: One of Neuroscience 3600, Neuroscience 3605, Neuroscience 3610, Neuroscience 3640, Neuroscience 3680, Psychology 3525, or Psychology 3535

NEUROSCIENCE 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct empirical research, report orally on the work, and submit a report in the form of an Undergraduate Thesis which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Application to the Department of Neuroscience
Recommended Background: One Independent Study, Applied Study, or summer research internship in Neuroscience (or a cognate discipline)

Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.

NEUROSCIENCE GRADUATE COURSES (NEUR)
Faculty of Arts and Science

NEUROSCIENCE 5025
Contemporary Problems in Brain, Behaviour, and Cognitive Science (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in, approaches to, and contemporary research in psychology and neuroscience. Discussion of preparation of talks and research posters. Includes seminars on various contemporary problems in brain, behaviour, and cognitive science by staff, invited speakers and graduate students.
Prerequisite(s): Admission to the M.Sc. program

NEUROSCIENCE 5650
Cortical Function
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of selected topics in cortical organization and function.
Prerequisite(s): Admission to the M.Sc. or Ph.D. program
Recommended Background: B.Sc.

NEUROSCIENCE 5901
Neuroscience Research Dialogues I
Credit hours: 0.75
Other hours: 0-0-12
Seminar-based course. Research questions and conventions from across disciplines (Humanities, Science, and Social Science) in Neuroscience. Emphasis is on creating productive research dialogues within and between students, faculty and diverse disciplinary approaches to the field.
Prerequisite(s): Admission to the M.Sc. program
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 5902
Neuroscience Research Dialogues II
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 5901.
Prerequisite(s): Neuroscience 5901
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 5903
Neuroscience Research Dialogues III
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 5902.
Prerequisite(s): Neuroscience 5902
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 5904
Neuroscience Research Dialogues IV
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 5903.
Prerequisite(s): Neuroscience 5903
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 7025
Contemporary Problems in Brain, Behaviour, and Cognitive Science (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
In-depth study of specific topics in, approaches to, and contemporary research in psychology and neuroscience. Discussion of preparation of talks and research posters as well as preparation for comprehensive examinations. Includes seminars on various contemporary problems in brain, behaviour, and cognitive science by staff, invited speakers and graduate students.
Prerequisite(s): Admission to the Ph.D. program

NEUROSCIENCE 7901
Neuroscience Research Dialogues I
Credit hours: 0.75
Other hours: 0-0-12
Seminar-based course. Research questions and conventions from across disciplines (Humanities, Science, and Social Science) in Neuroscience. Emphasis is on creating productive research dialogues within and between students, faculty and diverse disciplinary approaches to the field.
Prerequisite(s): Admission to the Ph.D. program
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.
NEUROSCIENCE 7902
Neuroscience Research Dialogues II
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 7901.
Prerequisite(s): Neuroscience 7901
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 7903
Neuroscience Research Dialogues III
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 7902.
Prerequisite(s): Neuroscience 7902
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEUROSCIENCE 7904
Neuroscience Research Dialogues IV
Credit hours: 0.75
Other hours: 0-0-12
Continuation of Neuroscience 7903.
Prerequisite(s): Neuroscience 7903
Grading: Pass/Fail
Note: Students will normally be required to attend and contribute to scheduled seminars over the course of the semester.

NEW MEDIA (NMED)
Faculty of Fine Arts

NEW MEDIA 1000
Introduction to New Media
Credit hours: 3.0
Contact hours per week: 4-0-0
A survey of artistic developments related to the electronic era, the relationship of computer-facilitated arts to traditional genres and a critical examination of selected contemporary works.
Note: Studio course.

NEW MEDIA 1010
Introduction to Animation
Credit hours: 3.0
Contact hours per week: 4-0-0
A survey of animation using traditional and contemporary techniques.
Note: Studio course.

NEW MEDIA 2000
Interactive Technology (Series)
Credit hours: 3.0
Contact hours per week: 1-3-0
Offerings in subject areas dealing with interactive technology.
Prerequisite(s): New Media 1000
Note: Not counted in the core New Media courses in the B.F.A. - New Media.

NEW MEDIA 2005
Design Fundamentals for New Media
Credit hours: 3.0
Contact hours per week: 4-0-0
Introduction to design fundamentals and principles as they relate to new media. Concepts and practice of graphic design, typography, and colour theory will be explored in relation to specific media such as print, web, and other new media applications.
Corequisite(s): New Media 1000
Note: Studio course.

NEW MEDIA 2010
Visual Communications for New Media
Credit hours: 3.0
Contact hours per week: 4-0-0
Design and communication theory and practice with emphasis on increasing comprehension by an audience as relevant to various areas of static and time based digital media.
Prerequisite(s): New Media 1000 AND New Media 2005
Note: Studio course.

NEW MEDIA 2015
Digital Drawing and Animation
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical investigation of digital mark-making including histories, code-based drawing, interactive drawing, frame-based animation, and exploratory drawing techniques.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Equivalent: New Media 2850 (Computer Drawing and Illustration) (prior to 2014/2015)
Note: Studio course.

NEW MEDIA 2030
Digital Video Production
Credit hours: 3.0
Contact hours per week: 4-0-0
An introduction to the fundamental concepts and techniques of digital video production, with studies in aesthetics and sequence construction, utilizing elements and principles of directing, cinematography, and editing.
Prerequisite(s): New Media 1000
Note: Studio course.

NEW MEDIA 2150
History and Theory of New Media
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the field of new media and its major technologies, cultures, aesthetics, and contemporary practices through a variety of foundational, historical, and theoretical perspectives.

NEW MEDIA 3001
Film Authorship
Credit hours: 3.0
Contact hours per week: 3-0-0
An investigation of the tensions between individual creativity and collaborative enterprise in commercial filmmaking, with a focus on the work of two major directors.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Equivalent: New Media 2850 (Film Authorship) (prior to 2014/2015)

NEW MEDIA 3010
Cinematography and Lighting
Credit hours: 3.0
Contact hours per week: 3-0-0
An intensive exploration of concepts and techniques of cinematography for digital video production, including composition, camera movement, lenses, and lighting as expressive tools.
Prerequisite(s): New Media 2030
Note: Studio course.

NEW MEDIA 3030
3-D Computer Modelling and Animation
Credit hours: 3.0
Contact hours per week: 4-0-0
Theory and professional practice of 3-D computer modelling, animation, lighting, texturing and rendering.
Prerequisite(s): Art 2031 AND Art 2032 AND New Media 2010 AND New Media 2030
Note: Studio course.
**NEW MEDIA 3040**  
**Colour Theory and Digital Photo Manipulation**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
Advanced design, with emphasis on colour theory, with relation to principles of digital photography and image manipulation.  
Prerequisite(s): New Media 2010  
Equivalent: New Media 3850 (Colour Theory and Digital Photo Manipulation) (prior to 2015/2016)  
Note: Studio course.

**NEW MEDIA 3150**  
**Seminar in New Media Studies**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Seminar presentation on contemporary issues related to New Media and interactive technology in a critical and theoretical context.  
Prerequisite(s): New Media 1000 AND Second-year standing (a minimum of 30.0 credit hours)

**NEW MEDIA 3200**  
**Film Genres (Series)**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
Offerings in specific genres of film.  
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)  
Equivalent: NMED 2850 (Documentary Film Studies) (prior to 2013/2014) is equivalent to the same offering in the New Media 3200 Series; NMED 3850 (Film Genres: Comedy) (prior to 2013/2014) is equivalent to the same offering in the New Media 3200 Series; NMED 3850 (Film Noir) (prior to 2013/2014) is equivalent to the same offering in the New Media 3200 Series

**NEW MEDIA 3250**  
**Media, Advertising, and Consumer Culture**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An investigation of the various approaches and theoretical ideas concerning modern advertising, media, and consumer society in North America, primarily from a media studies perspective. Other topics include the history of advertising and media and their relation to industrial society, the rise of modern forms of consumption and communication, spectatorship and audience interpretation, advertising standards and regulations, political advertising, gender representation, the role of the consumer, and the creation of consumer desire in contemporary society.  
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

**NEW MEDIA 3300**  
**Theory and Aesthetics of Digital Games**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
A structural and analytical study of the medium of video and computer-based games that explores digital games for their uniqueness as a medium, but also in relation with other artistic artifacts such as cinema. Topics explored include: history and origins, aesthetics and interpretation, genre, interactivity and narrative, character development, game play, mise-en-scene, and social issues such as gender and violence.  
Prerequisite(s): Drama 3030 AND Third-year standing (a minimum of 60.0 credit hours)  
Recommended Background: An intermediate level of experience with video and computer games (console, PC, and/or online)

**NEW MEDIA 3310**  
**Game Design: Theory and Practice**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to game design fundamentals, principles, and practice. Traditional and contemporary approaches to game design will be explored through an iterative process of game analysis, design, production and critique.  
Prerequisite(s): New Media 3030  
Equivalent: New Media 3850 (Game Design: Theory and Practice) (prior to 2014/2015)  
Note: Studio course.

**NEW MEDIA 3380**  
**Programming for Artists**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
Programming fundamentals for artists and designers. This course will familiarize students with programming as an expressive medium for new media art and design practice.  
Prerequisite(s): New Media 2010  
Note: Studio course.

**NEW MEDIA 3420**  
**Narrative for New Media I**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The use of script writing to facilitate content creation for new media with an emphasis on story, character, and visuals. How interplay of form and content affects narrative. Exercises in script writing for animation, film, gaming, and television.  
Prerequisite(s): New Media 2030 OR Drama 2100 OR New Media 1000 and 15 university-level courses (a minimum of 45.0 credit hours)

**NEW MEDIA 3510**  
**Narrative Production Techniques**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
An intensive exploration of the craft of short-form narrative drama for digital video production, including methods in producing, directing, cinematography, and editing.  
Prerequisite(s): One of New Media 3010 or New Media 3420  
Note: Studio course.  
Students enrolling in New Media 3510 should have a short narrative screenplay ready for production (5-10 pages).

**NEW MEDIA 3520**  
**Web Design and Development**  
Credit hours: 3.0  
Contact hours per week: 4-0-0  
Design practices and aesthetics for web-based media.  
Prerequisite(s): One of New Media 2010 or Art 3060  
Note: Studio course.
NEW MEDIA 3550 - History of Animation
Credit hours: 3.0
Contact hours per week: 4-0-0
This course traces the evolution of animation from silent cinema through the 'Golden Age of Animation' to the digital age. Study areas will include the impact of television and other media on animation and focus on some of the important people, studios, and institutions that have contributed to its rich and varied tradition across the globe.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Equivalent: New Media 3850 (History of Animation) (prior to 2009/2010)

NEW MEDIA 3560 - Popular Narrative
Credit hours: 3.0
Contact hours per week: 3-0-0
Through close examinations of various videos, novels, television programs, games, films and comics, the course observes the ways in which narrative form operates in different media. Students will investigate the cultural politics of taste, revealing the stakes involved in separating 'high' narrative art from 'low'.
Prerequisite(s): 15 university-level courses (a minimum of 45.0 credit hours)
Equivalent: New Media 2560 (prior to 2014/2015)

NEW MEDIA 3620 - Digital Effects and Compositing
Credit hours: 3.0
Contact hours per week: 4-0-0
Production and post-production methods for broadcast and film: motion graphics, animation, visual effects, and compositing.
Prerequisite(s): New Media 3030
Note: Studio course.

NEW MEDIA 3640 - Character Animation I
Credit hours: 3.0
Contact hours per week: 4-0-0
Introduces students to character animation based on understanding of the anatomical structure of characters, mechanics of real and animated movement, timing, and animation principles. An important emphasis is placed on understanding the process of character development for 3D animation. Concepts and techniques are explored through short 2D and 3D animation assignments.
Prerequisite(s): New Media 3030
Note: Studio course.

NEW MEDIA 3680 - Interaction Design
Credit hours: 3.0
Contact hours per week: 4-0-0
Creation of interface using materials from original sources to produce user-driven projects.
Prerequisite(s): New Media 3030 AND New Media 3520
Note: Studio course.

NEW MEDIA 3700 - Event and Exhibition Design
Credit hours: 3.0
Contact hours per week: 4-0-0
Students will learn to design and mount new media group event and exhibition experiences that are relevant to various departmental and student activities.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)
Note: Studio course.

NEW MEDIA 3810 - Expanded Cinema: Moving Images and their Forgotten Futures
Credit hours: 3.0
Contact hours per week: 4-0-0
A theoretical and practical investigation of experimental moving image practices from pre- and early cinema to contemporary digital media. Areas of investigation may include, but are not limited to: locative media/gps cinema, site-specific works, installations, projection mapping, augmented/virtual reality, multi-projection, database cinema, and interactive cinema.
Prerequisite(s): One of New Media 2030, Art 3060, or Art 3061
Equivalent: New Media 3850 (Expanded Cinema: Moving Images and their Forgotten Futures) (prior to 2015/2016) and New Media 3850 (Expanded Cinema) (prior to 2012/2013)
Note: Studio course.

NEW MEDIA 3850 - Topics in New Media
Credit hours: 3.0
Contact hours per week: Variable
Topics in New Media not covered under regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings
Note: Studio course.

NEW MEDIA 3880 - Narrative for New Media II
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploring the fundamentals of screenwriting and story development through script writing and film analysis. The importance of character and conflict is explored with an emphasis on the scene as the basic unit of the screenplay.
Prerequisite(s): One of New Media 3420 or Drama 2750

NEW MEDIA 4620 - Character Animation II
Credit hours: 3.0
Contact hours per week: 4-0-0
Concentration on characterization through animation acting. Emphasis is placed on the relationships between character structural design, expressive animated motion, and character acting. This includes lip sync and phrasing of motion in relation to dialogue, sound, and shot sequencing.
Prerequisite(s): New Media 3640
Note: Studio course.

NEW MEDIA 4640 - Portfolio and Professional Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
An exploration of portfolio concepts and types. Prepares students in the management of their careers by developing a professional approach to self-promotion and examining ways in which they can pursue opportunities as New Media practitioners. A comprehensive portfolio will be produced through the review, selection, assembly, and refinement of students' previous materials, highlighting their technical, creative, professional, and academic abilities.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours)
AND Admission to the B.F.A. - New Media program
Note: Studio course.
NEW MEDIA 4651
Internship
Credit hours: 12.0
Other hours: Variable
Supervised internship providing direct involvement in the New Media industry either locally or out of town. Arrangements to be made by the Faculty of Fine Arts internship coordinator.
Prerequisite(s): New Media 4640 AND Completion of all course requirements for the B.F.A.
A cumulative GPA of 2.00 or higher AND A cumulative GPA of 2.50 or higher on all New Media courses
Corequisite(s): New Media 4641
Grading: Pass/Fail
Note: Students must take New Media 4651 and New Media 4661 in the same semester.

NEW MEDIA 4661
Internship Project
Credit hours: 3.0
Other hours: Variable
The completion of a written/media project to outline, document and assess the student's experience during the internship.
Prerequisite(s): New Media 4640 AND Completion of all course requirements for the B.F.A.
A cumulative GPA of 2.00 or higher AND A cumulative GPA of 2.50 or higher on all New Media courses
Corequisite(s): New Media 4651
Note: Students must take New Media 4651 and New Media 4661 in the same semester.

NEW MEDIA 4690
Advanced Studio
Credit hours: 6.0
Contact hours per week: 8:0-0
Self-directed study focusing on conceptual development of new media related projects.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) in the B.F.A. - New Media program
Note: Studio course. Intended for New Media students not enrolled in the internship program.

NEW MEDIA 4830
Theory and Practice of Motion Capture
Credit hours: 3.0
Contact hours per week: 4:0-0
Theory and practice of motion capture, motion editing, and motion mapping.
Prerequisite(s): New Media 4620
Note: Studio course.

NEW MEDIA 4850
Topics in New Media
Credit hours: 3.0
Contact hours per week: Variable
Topics in New Media not covered under regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Variable

NEW MEDIA 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: 8:0-0
This is a challenging, work-intensive, studio- and/or research-based course culminating in a substantive and original new media project and/or written body of work. In consultation with the Thesis Supervisor, students will define the parameters of the project and expected outcomes which, upon completion, will be presented in a public forum.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher in all New Media courses
Application to the Department of New Media
Note: Studio course. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 9 - Fine Arts, Section 8.02. p. 183

NEW MEDIA 4999
Internship Registration Placeholder
This is a registration placeholder for B.F.A. - New Media students who have completed all other requirements in the New Media program and who are in the process of seeking an internship to complete the degree program. Students may be registered in the placeholder for no more than two semesters to encompass a maximum period of 12 months.
Note: No fees are assessed for this registration.

NEW MEDIA 5151
New Media Theory and History
Credit hours: 3.0
Contact hours per week: 3:0-0
A critical survey of canonical writings and prominent developments in the history of New Media as a field of study, creative sphere, and catalyst for socio-cultural transformation.
Prerequisite(s): Admission to the M.F.A. program with a major in New Media
Equivalent: New Media 5850 (New Media Theory and History) (prior to 2013/2014)

NEW MEDIA 5148
Graduate Studio I
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): Admission to the M.F.A. program with major in New Media
Substantially Similar: New Media 5048 (prior to 2015/2016)
Note: All prerequisite courses must have a minimum 'B-' grade.

NEW MEDIA 5149
Graduate Studio II
Credit hours: 6.0
Contact hours per week: Variable
Self-directed study focusing on conceptual and material development in studio practice.
Prerequisite(s): New Media 5148
Substantially Similar: New Media 5049 (prior to 2015/2016)
Note: All prerequisite courses must have a minimum 'B-' grade.

NEW MEDIA 5850
Topics in New Media
Credit hours: 3.0
Contact hours per week: 3:0-0
Topics in New Media not covered by regular courses may be offered under this designation, depending on student interest and availability of faculty and expertise.
Prerequisite(s): Admission to the M.F.A. program with major in New Media
### NEW MEDIA 6002

**Thesis**  
Credit hours: 18.0  
Thesis course for the creative research project and support paper.  
Prerequisite(s): Admission to the M.F.A. program with major in New Media  
Grading: Pass/Fail

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
<th>Contact Hours Per Week</th>
<th>Contact Hours Per Week</th>
<th>Corequisite(s)</th>
<th>Substantially Similar</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSING 1020</td>
<td>Concepts of Health I</td>
<td>3.0</td>
<td>3-0-0</td>
<td>3-0-0</td>
<td>This course provides an introduction to the concepts of health and wellness for individuals and families, the role of the nurse, and the use of group process strategies to support self-directed learning. Prerequisite(s): Admission to the B.N. program</td>
<td>Nursing 1050</td>
</tr>
<tr>
<td>NURSING 1050</td>
<td>Introduction to Nursing</td>
<td>6.0</td>
<td>6-0-0</td>
<td>6-0-0</td>
<td>This first nursing practice course provides an introduction to the concepts of community and population health, adult learning principles and strategies, the relationship of evidence to nursing practice, and strategies for individual contributions to effective group process. This course continues to explore concepts of health and wellness for individuals and families. Prerequisite(s): Admission to the Bachelor of Nursing After Degree program</td>
<td>Nursing 1163</td>
</tr>
<tr>
<td>NURSING 1120</td>
<td>Nursing Practice I</td>
<td>3.0</td>
<td>0-0-9</td>
<td>0-0-9</td>
<td>This course focuses on the experiences of child-bearing and child-rearing families with varied cultural backgrounds in diverse geographical settings. It integrates concepts of health promotion, illness prevention, epidemiology, pathophysiology, and therapeutics. Prerequisite(s): Completion of all Year One requirements in the B.N. program OR Completion of the first semester in the B.N. After Degree program</td>
<td>Nursing 1163</td>
</tr>
<tr>
<td>NURSING 1150</td>
<td>Health Assessment</td>
<td>6.0</td>
<td>0-0-12</td>
<td>0-0-12</td>
<td>Provides the foundation for developing therapeutic relationships and introduces the concepts of health assessment and basic nursing skills. Learning opportunities in the classroom, lab, and practice environment. Practice occurs in the context of healthy or stable individuals and families across the lifespan in different cultural contexts and settings. Prerequisite(s): Admission to the Bachelor of Nursing After Degree program</td>
<td>Nursing 1181</td>
</tr>
<tr>
<td>NURSING 1320</td>
<td>Nursing Practice II</td>
<td>3.0</td>
<td>0-0-9</td>
<td>0-0-9</td>
<td>This course includes physical health assessment techniques and the practice of basic nursing skills. Practice occurs in the context of healthy or stable individuals and families across the lifespan in different cultural contexts and settings. Prerequisite(s): Admission to the B.N. program</td>
<td>Nursing 1150</td>
</tr>
</tbody>
</table>

**Note:** This course is offered as Nursing 1155 at Lethbridge College.
NURSING 2135
Professional Seminar I
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is an exploration and examination of professional nursing practice concepts and issues. The focus will be on historical and contemporary roles as well as ethical and legal responsibilities of the Registered Nurse in the context of the nursing profession and the health care system. Topics include the application of theory to practice, multidisciplinary health care team issues, and professional association and union roles.
Prerequisite(s): Completion of all Year One requirements in the B.N. program
Corequisite(s): Nursing 2020 (Nursing 2250 at Lethbridge College) AND Nursing 2150 (Nursing 2263 at Lethbridge College)
Note: This course is offered as Nursing 2279 at Lethbridge College.

NURSING 2150
Nursing Practice III
Credit hours: 3.0
Contact hours per week: 0-0-15
This course provides an introduction to core nursing care of adults with acute and chronic health challenges with varied cultural backgrounds. Students will have the opportunity to apply pharmacology, pathophysiology, critical thinking, and clinical judgment to care of adults experiencing illness in an acute care setting.
Prerequisite(s): Completion of all Year One requirements in the B.N. program
OR Completion of the first semester in the B.N. After Degree program
Corequisite(s): One of Nursing 2020 (Nursing 2250 at Lethbridge College) or Nursing 2125 (Nursing 2254 at Lethbridge College)
Grading: Pass/Fail
Note: This course is offered as Nursing 2279 at Lethbridge College.

NURSING 2160
Applied Therapeutics
Credit hours: 3.0
Contact hours per week: 0-0-15
This course provides an introduction to integrative therapeutic modalities including conventional (i.e., allopathic), alternative, and complementary therapies used in health care and the pathophysiology, psychologic, energetic, and spiritual basis for these therapies. The nurse’s role in promoting quality of life through appropriate use of various treatment modalities and dealing with implications and effects is explored.
Prerequisite(s): Completion of all Year One requirements in the B.N. program
OR Completion of the first semester in the B.N. After Degree program
Corequisite(s): One of Nursing 2020 (Nursing 2250 at Lethbridge College) or Nursing 2125 (Nursing 2254 at Lethbridge College)
Grading: Pass/Fail
Note: This course is offered as Nursing 2260 at Lethbridge College.

NURSING 2255
Nursing Practice IV
Credit hours: 5.0
Contact hours per week: 0-0-15
Explores increasingly complex nursing skills and provision of basic nursing care for women, children, and families from various cultural backgrounds. Students will have the opportunity to apply pharmacology, pathophysiology, critical thinking, and clinical judgment to the care of women through the antenatal, labour, delivery, postpartum period and to children experiencing illness in an acute care setting.
Prerequisite(s): Nursing 2150 (Nursing 2263 at Lethbridge College)
Corequisite(s): One of Nursing 2020 (Nursing 2250 at Lethbridge College) or Nursing 2125 (Nursing 2254 at Lethbridge College)
Grading: Pass/Fail
Note: This course is offered as Nursing 2293 at Lethbridge College.

NURSING 2260
Applied Therapeutics
Credit hours: 3.0
Contact hours per week: 3-0-0
This course provides an introduction to integrative therapeutic modalities including conventional (i.e., allopathic), alternative, and complementary therapies used in health care and the pathophysiology, psychologic, energetic, and spiritual basis for these therapies. The nurse’s role in promoting quality of life through appropriate use of various treatment modalities and dealing with implications and effects is explored.
Prerequisite(s): Completion of all Year One requirements in the B.N. program
OR Completion of the first semester in the B.N. After Degree program
Corequisite(s): One of Nursing 2020 (Nursing 2250 at Lethbridge College) or Nursing 2125 (Nursing 2254 at Lethbridge College)
Grading: Pass/Fail
Note: This course is offered as Nursing 2293 at Lethbridge College.

NURSING 3020
Health, Illness and Healing III
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of community health nursing theoretical foundations, values, and principles, using the Canadian Community Health Nursing Standards of Practice as a framework to explore health promotion, prevention/protection, and maintenance/restoration. Explores concepts such as health equity, social justice, and the social determinants of health.
Prerequisite(s): Completion of all Year Two requirements in the B.N. program
OR Completion of the first four semesters in the B.N. After Degree program
Corequisite(s): Nursing 4520
Substantially Similar: Public Health 1000

NURSING 3125
Health, Illness and Healing IV
Credit hours: 3.0
Contact hours per week: 3-0-0
This course focuses on the experiences of individuals, families and communities with increasingly complex mental health challenges across the lifespan.
Prerequisite(s): Completion of all Year Two requirements in the B.N. program
OR Completion of the first two semesters in the B.N. After Degree program
Corequisite(s): Nursing 4510

NURSING 3135
Professional Seminar II
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is an examination of the social, economic, ethical and political issues and policies influencing the nursing profession and the health care system. Topics include scope of practice, legal liability, nursing work life, change strategies, leadership/management concepts, and individual responsibility for promoting effective change.
Prerequisite(s): Completion of the first five semesters in the B.N. program
OR Completion of the first three semesters in the B.N. After Degree program
Corequisite(s): One of Nursing 3020, Nursing 3125, or Nursing 3230.
NURSING 3230
Health, Illness and Healing V
Credit hours: 3.0
Contact hours per week: 3-0-0
This course focuses on the experiences of individuals and families with increasingly complex acute and chronic health challenges across the lifespan.
Prerequisite(s): Completion of all Year Three requirements in the B.N. OR Completion of the first three semesters in the B.N. After Degree program
Corequisite(s): Nursing 4530

NURSING 4510
Nursing Practice - Mental Health Nursing
Credit hours: 6.0
Other hours: 0-0-208
In this course students initiate, deliver, and evaluate care for individuals, families and populations with acute and chronic health challenges in community and institutional settings.
Prerequisite(s): Completion of all Year Two requirements in the B.N. OR Completion of the first two semesters in the B.N. After Degree program
Corequisite(s): Nursing 3125
Equivalent: Nursing 3255 (Mental Health Nursing section) (prior to 2009/2010);
Nursing 3600 (Mental Health Nursing section) (prior to 2009/2010);
Nursing 4550 (Mental Health Nursing section) (prior to 2009/2010)
Grading: Pass/Fail

NURSING 4511
Mental Health Nursing Practice
Credit hours: 5.0
Other hours: 0-0-152
In this course students initiate, deliver, and evaluate care for individuals, families and populations with acute and chronic health challenges in community and institutional settings.
Prerequisite(s): Completion of the first two semesters in the B.N. After Degree program
Corequisite(s): Nursing 3125
Substantially Similar: Nursing 4510
Grading: Pass/Fail

NURSING 4520
Nursing Practice - Community Health Nursing
Credit hours: 6.0
Other hours: 0-0-208
In this course students advocate and assume responsibility for holistic care of individuals, families and populations with acute and chronic health challenges in community and institutional settings.
Prerequisite(s): Completion of all Year Two requirements in the B.N. OR Completion of the first four semesters in the B.N. After Degree program
Corequisite(s): Nursing 3020
Equivalent: Nursing 3255 (Community Health Nursing section) (prior to 2009/2010);
Nursing 3600 (Community Health Nursing section) (prior to 2009/2010);
Nursing 4550 (Community Health Nursing section) (prior to 2009/2010)
Grading: Pass/Fail

NURSING 4530
Nursing Practice - Medical Surgical Nursing
Credit hours: 6.0
Other hours: 0-0-208
This practice course offers students more independent and advanced nursing experience in increasingly complex clinical learning situations. Students work collaboratively with individuals, families and populations who have acute and chronic health challenges in community and institutional settings.
Prerequisite(s): Completion of all Year Two requirements in the B.N. OR Completion of the first three semesters in the B.N. After Degree program
Corequisite(s): Nursing 3230
Equivalent: Nursing 3255 (Acute/Chronic Nursing section) (prior to 2009/2010);
Nursing 3600 (Acute/Chronic Nursing section) (prior to 2009/2010);
Nursing 4550 (Acute/Chronic Nursing section) (prior to 2009/2010)
Grading: Pass/Fail
NURSING 4750
Senior Clinical Consolidation
Credit hours: 15.0
Other hours: 0-0-382
A 10-week consolidated, pre-professional, clinical nursing course in a wide variety of community, institutional and cultural settings. The student's practicum schedule is organized according to the assigned schedule of the clinical preceptor. By the end of the course, the student is expected to demonstrate independent clinical decision making and carry a clinical work assignment appropriate for a beginning practitioner with minimal guidance.
Prerequisite(s): Completion of all course work in the first seven semesters of the B.N. program OR Completion of the first five semesters in the B.N. After Degree program
Grading: Pass/Fail

NURSING 9999
Collaborative Registration
Placeholder
This is a placeholder registration for students admitted to the B.N. program who are studying at an associated college.
Note: No fees are assessed for this registration.

NURSING 5110
Health Research: Critique, Synthesis, and Application
Credit hours: 3.0
Contact hours per week: 3-0-0
In this course, students will examine the research process in-depth and develop an advanced understanding of both qualitative and quantitative methodology. Students will critique study designs, methodology, and conclusions, synthesize these understandings, and apply that knowledge to nursing problems and issues using principles of knowledge translation and uptake. The course will address the challenges of implementing evidence-informed nursing practice.
Prerequisite(s): Admission to the M.N. program
Grading: Pass/Fail

NURSING 5120
Nursing as Art and Science
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will explore the foundations of the nursing profession by discussing the work and contributions of nursing philosophers, theorists, and scientists. N ursing knowledge will be discussed as a product of the interaction between nursing philosophy, theory, practice, and research. The complexity of nursing as an artistic expression of nursing knowledge in practice will be revealed in discussions of nursing care situations.
Prerequisite(s): Admission to the M.N. program
Grading: Pass/Fail

NURSING 5130
Practice Experience
Credit hours: 3.0
Contact hours per week: 0-0-0
Other hours: 8-0-48
Students gain focused practice experience in a health/ social service/educational setting under the supervision of a professional who will facilitate the student's learning goals in that environment. This experience is supplemented by regularly scheduled tutorial sessions during which students are expected to share insights and learning with classmates. Students explore a nursing role new to them or study a familiar nursing role in depth. Participation in this course will likely generate ideas for subsequent student project or Thesis topics.
Prerequisite(s): Admission to the M.N. program
Grading: Pass/Fail

NURSING 5140
Populations and Places for Nursing Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will learn about the nuances of practising nursing with a variety of client populations in a diverse range of settings. The variation in populations may be based on age, race, culture, education, economic status, or place of residence. This analysis of differences will be the foundation for an identification of the commonalities of nursing practice in all settings, with all populations. Knowledge gained may be directly relevant to subsequent student project or thesis topics.
Prerequisite(s): Admission to the M.N. program

NURSING 5150
Project Development Seminar
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is for students who have selected the project route. Participants will engage in student-led dialogue and debate about the process and components of developing and executing a project. Included will be key issues such as project format standards, time management, interdisciplinary integration of knowledge, and knowledge-to-action strategies. Students will participate in peer review and presentation activities in a blended learning format.
Prerequisite(s): Admission to the M.N. program
Grading: Pass/Fail

NURSING 5160
Thesis Proposal Seminar
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is intended to support and assist students in the preparation of a Thesis proposal and to facilitate the transition from course work to a masters-level research study. Participants will engage in student-led dialogue and debate about the process and components of designing, developing, and executing a scientific inquiry. Included will be key issues such as Thesis format standards, psychological and time management demands, committee formation, human subject research committee (ethics) review preparation, and project management. Students will participate in peer review and presentation activities in a blended learning format.
Prerequisite(s): Admission to the M.N. program
Grading: Pass/Fail
NURSING 5170
Teaching and Learning in Nursing
Credit hours: 3.0
Contact hours per week: 3-0-0
Students in this course will examine the integration of learning teaching principles and theory into the practice of nursing in clinical and educational settings. The use of creative approaches to support the growth of learner knowledge and skills will be emphasized. Students will select a focus for their assignments - clients and families, healthcare staff members or nursing students.
Prerequisite(s): Admission to the M.N. program

NURSING 5180
Concepts and Innovations in Nursing Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
This course gives students an opportunity to explore an aspect of nursing practice or health care delivery in depth. The aspect selected could be related to the client/patient/family, the care provider/health care team, and/or the health care system. Knowledge of change and leadership theories will provide a foundation for understanding how nurses can demonstrate leadership and innovation related to the aspect of focus.
Prerequisite(s): Admission to the M.N. program

NURSING 6001
Thesis
Credit hours: 12.0
Contact hours per week: Variable
Satisfactory Thesis will include a written report and an oral defense examination that meets expectations of the School of Graduate Studies.
Prerequisite(s): Nursing 5130 AND Nursing 5140 AND Nursing 5150 AND Nursing 5170 AND Nursing 5180 AND Non-nursing elective
Grading: Pass/Fail

NURSING 6002
Final Project
Credit hours: 6.0
Contact hours per week: Variable
The project involves the development of a product or process that could be used to improve a nursing practice or nursing education setting. Students may focus the project on topics related to the client/patient/family, the care provider/health care team, the health care system, or the nursing education setting.
Prerequisite(s): Nursing 5130 AND Nursing 5140 AND Nursing 5150 AND Nursing 5170 AND Nursing 5180 AND Non-nursing elective
Grading: Pass/Fail

PHILOSOPHY 1000
Introduction to Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
The branches of philosophy study humanity’s ultimate questions. Metaphysics considers what is truly real. Does God exist? Is there free will? How real is the past or the future? Epistemology asks whether answers to such questions can be known. Ethics investigates rights and duties, vices and virtues, and tries to define the good life for humans. Social and political philosophy study and assess human communities.

PHILOSOPHY 1001
Introduction to Ethics
Credit hours: 3.0
Contact hours per week: 3-0-0
In this course, we will critically consider several main theories concerning right and wrong action, good and bad states of affairs, and virtuous and vicious character.
Recommended Background: Philosophy 1000

PHILOSOPHY 2002
Belief, Truth, and Paradox
Credit hours: 3.0
Contact hours per week: 3-0-0
The course serves as a general introduction to issues in metaphysics and epistemology. The central focus is on how a perceiving subject can acquire knowledge of the world in which it finds itself. Topics may include perception, belief, truth, knowledge, skepticism, realism and anti-realism, and the relationship between minds and matter. The connections between these issues will enable the investigation of a number of interesting and perplexing paradoxes.
Recommended Background: Philosophy 1000

PHILOSOPHY 2010
Ancient Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
We study the first thousand years of Western philosophy and its importance today, focusing on Plato and Aristotle, the most influential thinkers of all time. Includes the Presocratics (Thales, Pythagoras, Heraclitus, Parmenides, Zeno) and their relations to Greek mythology; the Sophists (Protagoras, Gorgias); Cynics, Epicureans, Stoics, Plotinus and their influence on early Christianity.
Recommended Background: Philosophy 1000

PHILOSOPHY 2030
17th-Century Philosophy: Descartes to Leibniz
Credit hours: 3.0
Contact hours per week: 3-0-0
Seventeenth-Century Western philosophy (like science) challenged ideas that had dominated thought for centuries. Philosophers set out to rebuild our view of the world from the ground up. A new philosophy of human nature and the world emerged, becoming what we now call the modern world view. Descartes, Hobbes, Spinoza, Locke and Leibniz.
Recommended Background: Philosophy 1000
PHILOSOPHY 2150
Philosophy of Art
Credit hours: 3.0
Contact hours per week: 3-0-0
The course examines major philosophical views of art and literature. Topics may include the concept of art, the ontology of artworks, aesthetic properties, the interpretation and value of art, and fictionality. Philosophical puzzles specific to particular art forms, such as music and literature, may also be addressed. Recommended Background: Philosophy 1000

PHILOSOPHY 2210
Philosophy of Religion
Credit hours: 3.0
Contact hours per week: 3-0-0
We make use of analytical resources found in present-day cosmology, formal semantics, decision theory and other branches of natural science. Issues to be examined usually include God's nature, the problem of evil, the rationality and prudence of religious belief and the alleged conflict between religion and science. Recommended Background: Philosophy 1000

PHILOSOPHY 2220
Philosophy of Mind
Credit hours: 3.0
Contact hours per week: 3-0-0
We probe the nature of mind (soul, consciousness), cognition, perception, emotion, voluntary action, religious beliefs about the mind, and unconscious mental states; and we compare ideas to language, personal to bodily identity and explanations in 'folk' psychology to neuroscience. Recommended Background: Philosophy 1000

PHILOSOPHY 2233
Philosophy and the World View of Science: Earth and Life Sciences
Credit hours: 3.0
Contact hours per week: 3-0-0
A philosophical approach to the world view of contemporary earth and life sciences. We discuss the origins of modern geology and the modern synthesis in biology of genetics and evolution by natural selection. Issues include the status of evidence about the past, evolution versus creationism and the idea of fitness. Recommended Background: Philosophy 1000

PHILOSOPHY 2234
Philosophy and the World View of Science: Space, Time and Matter
Credit hours: 3.0
Contact hours per week: 3-0-0
Philosophical controversies in the world view of contemporary physical science, including the special and general theories of relativity, quantum mechanics and cosmology. Issues include reductionism, the nature of scientific theories, evidence for theories, different theories of space and time, causality, scientific revolutions and the status of theoretical entities. Prerequisite(s): Philosophy 1000 Recommended Background: One of Science 30 or a 1000-level course (3.0 credit hours) in Mathematics or Science

PHILOSOPHY 2236
Environmental Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
Is there really an environmental crisis? Do we even know what the environment is? How can we resolve conflicts between environmental and economic priorities? Do we have ethical obligations to the environment or to future generations? Using techniques of philosophical analysis, students are introduced to key issues in this growing and important field of applied philosophy. Recommended Background: Philosophy 1000

PHILOSOPHY 3000
Studies in Philosophy (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
The Philosophy 3000 series has the same function as the Philosophy 2000 series but at levels of study appropriate to more senior students. Prerequisite(s): Will be specified (including any recommended background) for individual offerings

PHILOSOPHY 3260
Metaphysics
Credit hours: 3.0
Contact hours per week: 3-0-0
Metaphysics is the attempt to construct the biggest possible picture of the world. Students will be introduced to such questions as these: Is God ultimately real? What is time? Do we have free will? Are there other possible worlds? Can we understand the relation between mind and matter? Do such questions even have answers? Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy Recommended Background: Philosophy 2002

PHILOSOPHY 3270
Theory of Knowledge
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to epistemology, focusing on the rational justification of belief, the nature of knowledge and learning (ordinary, mathematical and scientific), perception and the use and abuse of skepticism. Special topics, including epistemology of religion, scientific method and mathematics, may also be taken up. Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy Recommended Background: Philosophy 2002 AND Logic 2003

PHILOSOPHY 3280
Philosophy of Language
Credit hours: 3.0
Contact hours per week: 3-0-0
The nature of language and representation in general and their emphasis in 20th-century philosophy. The reality of symbolic forms, relations between language and thought, reality, communication, translation, human action and culture, meaningfulness, nonsense, truth and falsehood. Thinkers discussed include Peirce, Austin, Quine, Chomsky and their followers. Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy Recommended Background: Logic 2003 AND At least one 2000-level course (3.0 credit hours) in Philosophy
PHILOSOPHY 3350
Analytic Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
Today's analytic philosophy is marked by the centrality of the philosophy of language, the rise of naturalized epistemology, reductionist theories of the mind, evolutionary ethics, and feminist challenges to traditional ways of philosophizing. By tracing these developments we will see what is fueling philosophy at the turn-of-the-millennium.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: Philosophy 2002 AND Logic 2003

PHILOSOPHY 3401
Social and Political Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical examination of the concepts that lie at the core of our social commitments and the political institutions that support them. What, if anything, do we owe to the State? What laws, if any, may we, or even must we, disobey? What justifies private property? Why do we value liberty and equality? What do we owe to the community? What laws, if any, may we, or even must we, disobey? What justifies private property?
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: Philosophy 2001

PHILOSOPHY 3402
Biomedical Ethics
Credit hours: 3.0
Contact hours per week: 3-0-0
This course examines a number of difficult moral issues lying at the intersection of health, medicine, science and social policy. Issues to be examined may include euthanasia, abortion, genetic engineering, informed consent, patient competence, medical experimentation and the right of all citizens to an adequate and equal level of health care.
Prerequisite(s): One of Philosophy 1000, a 2000-level course (3.0 credit hours) in Philosophy, or Admission to the Post-Diploma B.A. or B.Sc. in Agricultural Studies
Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

PHILOSOPHY 3403
Philosophy of Love and Sex
Credit hours: 3.0
Contact hours per week: 3-0-0
We examine the ideology of love, sex and related matters, such as masculinity, femininity and the ethics and politics of personal relationships.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

PHILOSOPHY 3404
Philosophy of Law
Credit hours: 3.0
Contact hours per week: 3-0-0
We study historical and contemporary controversies about analytical, normative and historical jurisprudence; the reality of legitimacy laws and legal systems; adversarial and inquisitorial systems, common law and civil law systems, branches of law (criminal, civil tort, contract, administrative, etc.), law and morality, liability and entitlement, defenses and rights and duties.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

PHILOSOPHY 3409
18th-Century Philosophy: Leibniz to Kant
Credit hours: 3.0
Contact hours per week: 3-0-0
Does our knowledge of the world come chiefly from reason, or from the senses? In the 18th Century, Leibniz, Berkeley, Hume and Kant focused on the workings of perception, the relation between mind and body, and the foundations of knowledge. The tension between reason and experience that they explored continues to drive work on these problems today, influencing (for example) debates over nature versus nurture in human behaviour.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

PHILOSOPHY 3410
Advanced Ethics
Credit hours: 3.0
Contact hours per week: 3-0-0
How is knowledge about morality possible? Can reason and argument really tell us how we ought to act? And even if we can sometimes know how we ought to act, can morality act as a decisive check on self-interest? This course will examine current accounts of moral reasoning as well as deeper questions about what moral values are.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: Philosophy 2001

PHILOSOPHY 3411
Game Theory in Philosophy
Credit hours: 3.0
Contact hours per week: 3-0-0
Philosophers, mathematicians and economists are developing a powerful tool for resolving problems in human interaction - game theory. Using the techniques of philosophical analysis, we will study this tool for its insights into disciplines as diverse as politics, economics, ethics, military strategy, psychology and evolutionary biology.
Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy
Recommended Background: Logic 2003 AND At least one 2000-level course (3.0 credit hours) in Philosophy
Philosophy of Science

Contact hours: 3.0
Credit hours: 3.0

One of the most important and original philosophers of the 20th Century, Ludwig Wittgenstein influenced philosophical movements (Logical Positivism, Linguistic Philosophy, Logical Behaviourism) and our very conception of the nature of philosophy. Beginning with the Tractatus Logico-Philosophicus (1921) and its picture theory of meaning, this course examines Wittgenstein's Tractarian integration of logic, language, representation, and reality. The course then examines Wittgenstein's intermediate (1929-34) criticism of the Tractatus and his unorthodox views on scientific hypotheses and the illusion of mathematical truth, culminating in an examination of Wittgenstein's later discussions (primarily in Philosophical Investigations) of rules, rule-following, language-games, private languages, mind, and certainty.

Recommended Background: Logic 2003 AND Philosophy 2002 and/or one course designated 'Science' — see Part 4 - Academic Regulations, Section 10, List III: Science Courses, p. 85

Philosophy of War

Contact hours: 3.0
Credit hours: 3.0

Though war occupies but a tiny fraction of our lives, its implications influence our every moment. In this course we consider practical questions about the costs and benefits of war, ethical questions about deterrent threats, terrorism, and having and using nuclear weapons, social and psychological questions about the causes of war and the nature of military institutions, and strategic/game theoretical puzzles.

Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

Philosophy of Peace

Contact hours: 3.0
Credit hours: 3.0

For the fortunate, peace is a presumed and unexamined backdrop to our world. We fail to reflect on the practices and institutions that make peace possible; we begin to consider peace only when it is jeopardized. At that point, a violent response may seem inevitable. What is peace? How can peace best be pursued in today's world? Are there alternatives to violence in responding to serious conflict? We will explore philosophical and practical aspects of conflict resolution, nonviolent citizen action, pacifism, and just war theory. Also covered are logical and ethical issues in post-conflict reconciliation including collective and individual responsibility, forgiveness, apology, roles of victims and perpetrators, truth commissions, and war crimes trials.

Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

Philosophy of War

Contact hours: 3.0
Credit hours: 3.0

Though war occupies but a tiny fraction of our lives, its implications influence our every moment. In this course we consider practical questions about the costs and benefits of war, ethical questions about deterrent threats, terrorism, and having and using nuclear weapons, social and psychological questions about the causes of war and the nature of military institutions, and strategic/game theoretical puzzles.

Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy

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Recommended Background: At least one 2000-level course (3.0 credit hours) in Philosophy
PHILOSOPHY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course. This research will be presented in a report in the form of an Undergraduate Thesis which will be made publicly available and which will be the subject of an oral defence.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours)
AND
A cumulative GPA of 3.30 or higher
AND
A cumulative GPA of 3.50 or higher on all Philosophy and Logic courses
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

PHYSICAL ACTIVITY 1905/2905/3905/4905
Studies in Physical Activity
Credit hours: 1.5
Contact hours per week: 0-3-0
Opportunity for an individual to study a physical activity indepth.

PHYSICAL ACTIVITY 2130
Educational Dance
Credit hours: 1.5
Contact hours per week: 0-3-0
Development of a repertoire of dominant movement patterns leading to basic concepts, skills and fundamentals in educational dance.
Substantially Similar: Physical Activity 2225 (prior to 2014/2015);
Physical Activity 2235 (prior to 2014/2015);
Physical Activity 3225 (prior to 2014/2015)

PHYSICAL ACTIVITY 2135
Educational Gymnastics
Credit hours: 1.5
Contact hours per week: 0-3-0
Development of a repertoire of dominant movement patterns leading to basic concepts, skills and fundamentals in educational gymnastics.

PHYSICAL ACTIVITY 3020
Movement Literacy: Upper Body Actions
Credit hours: 3.0
Contact hours per week: 1-2-0
Observation, analysis, acquisition and correction of basic movement patterns including striking, throwing, catching, and other upper body actions that are part of sport and activities of daily living.

PHYSICAL ACTIVITY 3030
Movement Literacy: Lower Body Actions
Credit hours: 3.0
Contact hours per week: 1-2-0
Observation, analysis, acquisition, and correction of basic movement patterns including running, jumping, kicking, and other lower body actions that are part of sport and activities of daily living.

PHYSICAL ACTIVITY 3040
Resistance Training for Health and Performance
Credit hours: 3.0
Contact hours per week: 1-2-0
Movement-based approach in the application of principles and methods used to develop the components of fitness through resistance training.
Substantially Similar: Physical Activity 2445 (prior to 2014/2015);
Physical Activity 3445 (prior to 2014/2015)

PHYSICAL ACTIVITY 3050
Conditioning for Cardiovascular Health and Performance
Credit hours: 3.0
Contact hours per week: 1-2-0
Assessment of cardiovascular fitness and development of training programs through exposure to a wide range of physical activity environments.
Substantially Similar: Physical Activity 3605 (prior to 2014/2015)

PHYSICAL ACTIVITY 3060
Adapting Physical Activity
Credit hours: 3.0
Contact hours per week: 1-2-0
Current trends, theory, and practice in adapted physical activity. Emphasis is placed on gaining instructional and leadership skills in physical activity, fitness, and sport programs for individuals requiring activity adaptations.
Substantially Similar: Kinesiology 4630 (prior to 2014/2015)

PHYSICS 1000
Introduction to Physics I
Credit hours: 3.0
Contact hours per week: 3-3-0
Other hours: 0-0-6
Prerequisite(s): Physics 30 AND
One of Mathematics 30-1, Pure Mathematics 30, or
Mathematics 0500
Corequisite(s): Mathematics 1560
Substantially Similar: Physics 1050

PHYSICS 1050
Introduction to Biophysics
Credit hours: 3.0
Contact hours per week: 3-3-0
A non-calculus based introduction to biophysics, which emphasizes the application of physical principles to problems of biological significance. Material studied: animal mechanics, acoustics, radiation biophysics, and fluid properties.
Prerequisite(s): One of Mathematics 30-1, Pure Mathematics 30, Mathematics 0500, or admission to the Post-Diploma B.Sc. in Environmental Science
Recommended Background: One course in the physical sciences at the 20 level or above.
Substantially Similar: Physics 1000
**PHYSICS 2000**  
**Introduction to Physics II**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Other hours: 0-0-6  
The second introductory calculus-based physics course. Concepts and problem-solving skills are emphasized. Material studied: electricity, magnetism, electromagnetism, and circuits.  
Prerequisite(s): Mathematics 1560 AND One of Physics 1000 (preferred), Physics 1050, or Engineering 2000  
Corequisite(s): Mathematics 2560

**PHYSICS 2020**  
**The Physics of Everyday Life**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Investigation of the connection between science and the world in which we live. Exploration of the fundamental science behind ordinary objects, devices, and technologies upon which we all depend in our everyday lives.  
Note: No mathematical or science background is required for this course.

**PHYSICS 2120**  
**Introduction to Physics III**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
The third introductory calculus-based physics course. Concepts and problem-solving skills are emphasized. Material studied: rotational physics, thermodynamics, gravitation, relativity, collisions, oscillators, rigid body dynamics, and their applications, conservation laws, and central forces, relativistic dynamics, introduction to Lagrangian and Hamiltonian methods.  
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

**PHYSICS 2125**  
**Introduction to Experimental Physics**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Experiments selected from areas such as analog electronics, digital electronics, mechanics, acoustics, X-ray crystallography, solid state physics, electricity and magnetism, optics, thermometry, and nuclear physics.  
Prerequisite(s): Physics 2000 AND Physics 2120 AND Physics 2130  
Equivalent: Physics 2900 (Studies in Experimental Physics) (prior to 2012/2013)

**PHYSICS 2130**  
**Waves, Optics and Sound**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
An introductory-level, calculus-based course in waves, optics and sound. The course will cover fluids; oscillations; mechanical and sound waves; superposition and standing waves; geometric optics including refraction, reflection and optical instruments; physical optics including interference, diffraction and polarization.  
Prerequisite(s): One of Physics 30 or Physics 1050 AND One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500  
Corequisite(s): Mathematics 1560

**PHYSICS 2150**  
**Quantum Mechanics I**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introductory course in quantum mechanics. Topics include the origin of quantum mechanics, wave properties of particles, and the Schrödinger equation and solutions in one and three dimensions.  
Prerequisite(s): Physics 2000 AND Physics 2130 AND Mathematics 2560  
Corequisite(s): Mathematics 2570

**PHYSICS 2160**  
**Methods in Mathematical Physics**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
A course which provides the tools and develops the skills required to solve physical problems typical of those encountered at the second-year level and above. Areas studied include: matrix theory and applications, ordinary differential equations, series solutions, Laplace transforms, and vector analysis.  
Prerequisite(s): Mathematics 1410 AND Mathematics 2560  
Corequisite(s): Mathematics 2570

**PHYSICS 2180**  
**Studies in Experimental Physics (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-3-0  
Topics and techniques used in experimental physics are explored at an introductory level.  
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

**PHYSICS 2190**  
**Quantum Mechanics II**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The fundamentals of quantum mechanics, starting with the wave-mechanical description of Schrödinger. Material studied: quantum states and amplitudes, simple harmonic oscillator, superposition and packet states, scattering and barrier penetration, angular momentum, the hydrogen atom, identical particles, and atomic radiation.  
Prerequisite(s): Physics 2150 AND Mathematics 2580  
Recommended Background: Physics 3175

**PHYSICS 2200**  
**Electricity and Magnetism**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The basic elements of electromagnetic theory. Material studied: electrostatics, magnetostatics, steady currents, electromagnetic induction, Maxwell's equations in both differential and integral forms, and electric and magnetic fields in matter.  
Prerequisite(s): Physics 2000 AND Mathematics 2580

**PHYSICS 2300**  
**Mechanics**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Prerequisite(s): Physics 2000 AND Mathematics 2580
PHYSICS 3400
Thermal and Statistical Physics
Credit hours: 3.0
Contact hours per week: 3-0-0
Phenomena of heat and properties of matter from a statistical point of view.
Material studied: thermal equilibrium, processes and their reversibility, laws of thermodynamics and their microscopic basis, thermodynamic measurements; classical and quantum properties of matter and radiation, statistical ensembles, and distributions.
Prerequisite(s): Physics 2120 AND Physics 2150 AND Mathematics 2580

PHYSICS 3650
Optics
Credit hours: 3.0
Contact hours per week: 3-3-0
Prerequisite(s): Physics 2000 AND Physics 2130 AND Mathematics 2580
Recommended Background: Physics 3175

PHYSICS 3750
Contemporary Physics
Credit hours: 3.0
Contact hours per week: 3-0-1
A survey of current developments in physics. The focus will be to highlight current research interests and recent applications of physics in industry and academia. Specific topics will be presented each week in seminars given by invited speakers and staff. Pre-seminar literature will be made available, and there will be class discussions, written reports, and student presentations associated with the seminars.
Prerequisite(s): Physics 2120 AND Physics 2130

PHYSICS 3800
Methods of Theoretical Physics
Credit hours: 3.0
Contact hours per week: 3-0-0
Mathematical tools essential for advanced-level courses in classical and quantum mechanics. Topics may include: complex analysis, Fourier series and integral transforms, solution of partial differential equations, special and generalized functions, Green's functions, tensors, and group theory.
Prerequisite(s): Physics 2800 AND Mathematics 2580

PHYSICS 3840
Introduction to Computational Physics
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to numerical techniques and their application in experimental and theoretical physics. Material studied: symbolic and numeric computation, numerical analysis, and introductory programming and applications.
Prerequisite(s): Mathematics 2580
Note: Prior knowledge of physics and programming is preferred but is NOT required.

PHYSICS 3900
Intermediate Experimental Physics (Series)
Credit hours: 3.0
Contact hours per week: 3-3-0
Topics and techniques used in experimental physics are explored at an intermediate level.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

PHYSICS 3925
Experimental Physics
Credit hours: 3.0
Contact hours per week: 3-3-0
Emphasis on techniques in experimental research such as experimental design and precise measurements. Experiments may include topics from: EM waves; solid state physics; semiconductor physics; NMR, NQR, MRI and ESR; spectroscopy; and digital electronics.
Prerequisite(s): Physics 2150 AND Physics 2925

PHYSICS 4000
Advanced Studies in Physics (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Subject material is chosen from advanced topics in contemporary physics.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

PHYSICS 4050
Quantum Mechanics III
Credit hours: 3.0
Contact hours per week: 3-0-0
Mathematical and conceptual foundations of quantum mechanics at an advanced level.
Material studied: general formalism, quantum dynamics, angular momentum, symmetries, approximate methods, scattering theory, path integrals, and interpretation.
Prerequisite(s): Physics 3150 AND Physics 3200

PHYSICS 4100
Nuclear and Particle Physics
Credit hours: 3.0
Contact hours per week: 3-0-0
An introductory survey of nuclear and modern particle physics. Topics range from the structure of nuclei and radioactive decay to elementary particles such as quarks, gluons, and neutrinos, and their Feynman diagrams.
Prerequisite(s): Physics 3150 AND Physics 3200

PHYSICS 4125
The Electromagnetic Interaction
Credit hours: 3.0
Contact hours per week: 3-0-0
Fundamental concepts of electromagnetic theory at an advanced level and some of their applications. Unity of electric and magnetic phenomena emphasized. Material studied: boundary value problems; energy density and energy flow; electromagnetism in relativistic notation; radiation; resonant cavities and waveguides.
Prerequisite(s): Physics 3175 AND Mathematics 2580

PHYSICS 4200
Advanced Mechanics
Credit hours: 3.0
Contact hours per week: 3-0-0
Hamilton's equations, canonical transformations, Lagrange and Poisson brackets, Hamilton-Jacobi equations, separation of variables, action angle variables, constants of motion, integrability, simple non-linear Hamiltonian systems, chaotic motion.
Prerequisite(s): Physics 3200

PHYSICS 4250
Solid State Physics
Credit hours: 3.0
Contact hours per week: 3-0-0
An introductory study of the physical properties of solids. Material studied: crystalline structures; the formation of solids (different types of bonding); diffraction; energy bands in solids; and physical properties such as electrical, thermal, optical, and magnetic.
Prerequisite(s): Physics 2150 AND Physics 2925 AND Mathematics 2580
Corequisite(s): Physics 3150
Recommended Background: Physics 3400
PHYSICS 4650

Physics of Remote Sensing
Credit hours: 3.0
Contact hours per week: 3-0-0
Theoretical and applied treatment of the physical principles of remote sensing. Composition and structure of the earth's atmosphere, radiative transfer principles and their application to remote sensing, radiometric processing, calibration and validation, hyperspectral image processing, absorption line formation and lineshapes, instrumentation for measuring radiation fields, microwave and radar remote sensing, and the retrieval of physical parameters. Selected topics in earth observation and astronomy.
Prerequisite(s): One of Physics 2000 or Physics 2130 AND Mathematics 2570

PHYSICS 4995

Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which the student will conduct research under the supervision of a faculty member, give a public presentation on their work, and submit an Undergraduate Thesis which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND A minimum of 13 courses (39.0 credit hours) in Physics
Corequisite(s): A minimum of two further courses (6.0 credit hours) in Physics
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work. See Part 7 - Arts and Science, Section 10.

PHYSICS GRADUATE COURSES

PHYS 5300

Theoretical Physics I
Credit hours: 3.0
Contact hours per week: 3-0-0 Advanced topics in theoretical physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the M.Sc. program

PHYS 5325

Theoretical Physics II
Credit hours: 3.0
Contact hours per week: 3-0-0 Advanced topics in theoretical physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the M.Sc. program

PHYS 5500

Experimental Physics I
Credit hours: 3.0
Contact hours per week: 3-1.5-0 Advanced topics in experimental physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the M.Sc. program

PHYS 5525

Experimental Physics II
Credit hours: 3.0
Contact hours per week: 3-1.5-0 Advanced topics in experimental physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the M.Sc. program

PHYS 7300

Theoretical Physics I
Credit hours: 3.0
Contact hours per week: 3-0-0 Advanced topics in theoretical physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the Ph.D. program

PHYS 7325

Theoretical Physics II
Credit hours: 3.0
Contact hours per week: 3-0-0 Advanced topics in theoretical physics relevant to current research. Independent thinking, presentation and writing skills.
Prerequisite(s): Admission to the Ph.D. program

PHYSICAL SCIENCE 1000

Introduction to Political Science
Credit hours: 3.0
Contact hours per week: 3-0-0 Basic concepts for political inquiry such as power, authority, state. Examination of governmental institutions and systems.

PHYSICAL SCIENCE 2110

International Relations
Credit hours: 3.0
Contact hours per week: 3-0-0 Relations among nations, covering such topics as foreign policies of major powers, nature and functions of international organizations, international law and contemporary world problems.
Prerequisite(s): One of Political Science 1000 or a previous course (3.0 credit hours) in Political Science

PHYSICAL SCIENCE 2210

Canadian Politics and Government
Credit hours: 3.0
Contact hours per week: 3-0-0 Canadian political system, with special attention to political parties, the nature of federalism and functioning of the parliamentary system.
Prerequisite(s): One of Political Science 1000, a previous course (3.0 credit hours) in Political Science, or seven courses (21.0 credit hours) in Arts and Science
POLITICAL SCIENCE 2310
Comparative Politics and Government
Credit hours: 3.0
Contact hours per week: 3-0-0
Comparative study of power, authority, administration, law, leadership and participation in selected political systems.
Prerequisite(s): One of Political Science 1000, a previous course (3.0 credit hours) in Political Science, or seven courses (21.0 credit hours) in Arts and Science

POLITICAL SCIENCE 2310
Introduction to Political Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
A selective introduction to the basic concepts of Western political theory, focusing on ideas such as rights, consent, obligation, citizenship and the common good. Readings drawn from classical (e.g., Plato, Hobbes, Rousseau, Mill) and contemporary (e.g., W. Allez, Taylor, MacIntyre, Nozick, Rawls) theorists.
Prerequisite(s): One of Political Science 1000 or a previous course (3.0 credit hours) in Political Science

POLITICAL SCIENCE 2610
Introductory Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
Concepts and methods of political inquiry: organization, development and articulation in research papers.
Prerequisite(s): One of Political Science 1000 or a previous course (3.0 credit hours) in Political Science

POLITICAL SCIENCE 3001
Studies in Political Science (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Specific political issues depending upon student interest and available faculty.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

POLITICAL SCIENCE 3120
Canadian Foreign Policy
Credit hours: 3.0
Contact hours per week: 3-0-0
Process and institutions. Environmental, historical, social and economic influences on the process; external forces, including bilateral and multilateral commitments.
Prerequisite(s): One of Political Science 2110 or Political Science 2210

POLITICAL SCIENCE 3130
International Political Economy
Credit hours: 3.0
Contact hours per week: 3-0-0
A review of the major theoretical approaches of the field. These theoretical perspectives will then be applied to various issue areas, such as international trade, foreign investment, regional integration, North-South relations, migration, labour, and the environment.
Prerequisite(s): Political Science 2110

POLITICAL SCIENCE 3221
The Politics of Canadian Federalism
Credit hours: 3.0
Contact hours per week: 3-0-0
Focus on the political economy of Canadian trade policy. Exploration of political, economic and institutional factors shaping Canada's participation in international agreements on trade and related issues. Examination of the interaction of regional, economic, intergovernmental, and societal factors with trade policies in Canadian domestic politics. Students will also be exposed to theoretical literature related to international political economy, public policy, Canadian federalism, and Canadian foreign policy.
Prerequisite(s): Political Science 2110

POLITICAL SCIENCE 3241
Canadian Constitutional Law I: Federalism and First Nations
Credit hours: 3.0
Contact hours per week: 3-0-0
Basic principles of Canadian constitutional law as they relate to the evolving concept and practice of Canadian federalism. The concept and practice of judicial review. Basics and evolution of the constitutional division of powers. Aboriginal rights and First Nations. Evolution and process of constitutional amendment.
Prerequisite(s): Political Science 2210

POLITICAL SCIENCE 3242
Canadian Constitutional Law II: The Charter
Credit hours: 3.0
Contact hours per week: 3-0-0
Basic principles of Canadian constitutional law and the power of judicial review. The notion of civil liberties; civil liberties before and since the enactment of the Canadian Charter of Rights and Freedoms. Application and limits of the Charter. The notwithstanding clause. The evolution of judicial interpretation of the Charter.
Prerequisite(s): Political Science 2210

POLITICAL SCIENCE 3243
Courts, Law, and Politics in Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
The Canadian judicial system; the Canadian legal profession; functions of courts and roles of judges; judicial appointment and judicial independence; courts, judges, and federalism; judicial power in the age of the Charter; constitutions, statutes, and judicial interpretation; theories of judicial decision-making; judicial impact theory; legal mobilization theory; courts and technology; the future of the courts.
Prerequisite(s): Political Science 2210
POLITICAL SCIENCE 3245
Women and the Law
Credit hours: 3.0
Contact hours per week: 3-0-0
Overview of political and historical developments in the laws affecting women, specifically in Canada; recent legal developments in the areas of sexuality, violence and family law (marriage, property, custody of children, marital property).
Prerequisite(s): One of Political Science 1000 or Political Science 2210

POLITICAL SCIENCE 3250
Alberta Politics and Government
Credit hours: 3.0
Contact hours per week: 3-0-0
Problems in Alberta provincial politics; the formal and informal institutions of the Provincial government.
Prerequisite(s): Political Science 2210

POLITICAL SCIENCE 3260
Canadian Public Policy
Credit hours: 3.0
Contact hours per week: 3-0-0
Factors and processes that enter into the making of Canadian public policy. Emphasis on specific policy areas which change periodically to take into account current government activities.
Prerequisite(s): Political Science 2210

POLITICAL SCIENCE 3270
Political Economy of Canada
Credit hours: 3.0
Contact hours per week: 3-0-0
Historical and current influence of political economy in Canadian politics; major domestic and external factors influencing Canadian economic policies; the political and legal framework for Canadian economic policy; relationship between economic and social policies.
Prerequisite(s): Political Science 2210 AND One course (3.0 credit hours) in Economics

POLITICAL SCIENCE 3280
Canadian Political Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
Mass and elite political behaviour in Canada, including political culture, public opinion, political participation, voting and elections.
Prerequisite(s): Political Science 2210

POLITICAL SCIENCE 3290
Digital Politics
Credit hours: 3.0
Contact hours per week: 3-0-0
The impact of digital communications technologies on the political process, including representation, campaigning, citizen activism and participation, and e-government.
Prerequisite(s): One of Political Science 2210 or Political Science 2310

POLITICAL SCIENCE 3300
Western European Political Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
A comparative examination of the government and politics of selected Western European countries such as Great Britain, Germany, the Netherlands and Spain.
Prerequisite(s): Political Science 2310

POLITICAL SCIENCE 3320
Eastern European Political Systems
Credit hours: 3.0
Contact hours per week: 3-0-0
A comparative examination of the government and politics of selected Eastern European countries such as Russia, Poland, Hungary and Romania.
Prerequisite(s): Political Science 2310

POLITICAL SCIENCE 3324
European Integration
Credit hours: 3.0
Contact hours per week: 3-0-0
An analysis of post-war integration of (Western) Europe, particularly its political and economic dimensions. History, institutions and policies of the European Union. Comparative national attitudes to integration.
Prerequisite(s): Political Science 2310

POLITICAL SCIENCE 3360
Developing Nations
Credit hours: 3.0
Contact hours per week: 3-0-0
Comparative study of socio-economic and political development and modernization in selected African, Asian, Caribbean, Latin American, and/or Middle Eastern countries, including general comparisons with some Western political systems.
Prerequisite(s): Political Science 2310

POLITICAL SCIENCE 3380
Politics and Democratization in Latin America
Credit hours: 3.0
Contact hours per week: 3-0-0
A comparative examination of the political development and politics of selected Latin American countries. Historical and current processes. Failures and limits to democratization. Presidentialism and party politics.
Prerequisite(s): Political Science 2310

POLITICAL SCIENCE 3400
Public Administration
Credit hours: 3.0
Contact hours per week: 3-0-0
Role of administration in modern government including trends and challenges in government organization, interdepartmental and intergovernmental relations, administrative regulation, budgetary processes, and personnel administration.
Prerequisite(s): Political Science 2210
Substantially Similar: Political Science 2410 (prior to 2012/2013)
POLITICAL SCIENCE 3420/3421
Human Resource Management
Credit hours: 3.0
Contact hours per week: 3-0-0
The course provides an introduction to the field of human resource management. The intent is to increase the understanding of how human resource functions are a system that contributes to the organization's strategic objectives and how human resource management operates in a larger organizational, social, and legal context through the study of topics such as job analysis/competencies, recruitment, selection, training, performance appraisal, legal issues, compensation, and labour relations.
Prerequisite(s): One of Management 2030, admission to the Post-Diploma Bachelor of Management program, or one 2000-level course (3.0 credit hours) in Political Science AND One of Writing 1000 or a university English course (3.0 credit hours)

POLITICAL SCIENCE 3510
Political Thought Before 1500
Credit hours: 3.0
Contact hours per week: 3-0-0
Political thought from the ancient Greeks and Romans through the classical Christian period to the late Middle Ages. Various philosophers may be studied, such as Plato, Aristotle, Cicero, Augustine, Aquinas, and Dante, and their views on virtue, wisdom, the best regime, politics and religion, friendship, justice, just war, and/or natural law.
Prerequisite(s): Political Science 2511

POLITICAL SCIENCE 3511
Political Thought Since 1500 (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Examination of modern and post-modern political thought, from the 16th to 21st century. The focus of each offering will vary, and may include philosophers such as Machiavelli, Hobbes, Locke, Mill, Tocqueville, Kant, Kierkegaard, Nietzsche, Arendt, Strauss, Oakeshott, and Voegelin, and their views on issues such as fortune, the state, liberty, democracy, equality, totalitarianism, Gnosticism, problem of natural right, and technology.
Prerequisite(s): Political Science 2511

POLITICAL SCIENCE 3525
Politics and Religion
Credit hours: 3.0
Contact hours per week: 3-0-0
Philosophical examination of the interaction between politics and religion. Liberal democracy, Islam, Antiquity, Middle Ages, modernity, politics of reason and revelation, separation of church and state, civil religion, meanings of 'secular,' and conscience.
Prerequisite(s): Political Science 2511

POLITICAL SCIENCE 4100
Seminars in International Relations (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars on topics in international politics, such as international relations theory, human rights, the environment, international security, diplomacy, the global economy, technology, international institutions and law, and conflict resolution.
Prerequisite(s): Political Science 2110 AND Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Political Science 4110 (International Relations Theory) (prior to 2012/2013) is equivalent to the same offering in the Political Science 4100 Series

POLITICAL SCIENCE 4200
Seminars in Canadian Politics and Government (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars on topics in Canadian politics and government, such as aspects of the judiciary, business and government, Canada-US relations, political parties, pressure groups, the media, public policy, political institutions, and political behaviour and/or the interaction thereof.
Prerequisite(s): Political Science 2210 AND Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Political Science 3275/Management 3804 (Business and Government in Canada) (prior to 2012/2013) is equivalent to the same offering in the Political Science 4200 Series; Political Science 4710 (Canadian Political Parties) (prior to 2012/2013) is equivalent to the same offering in the Political Science 4200 Series

POLITICAL SCIENCE 4300
Seminars in Comparative Politics (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars on topics in comparative politics, such as democratization and democratic breakdown, comparative development, political institutions and executives, representation and electoral systems, voter turnout and compulsory voting, state formation and dissolution, rise and decline of nations and great powers, comparative federalism, comparative public policy, comparative party politics. Countries vary by topic(s).
Prerequisite(s): Political Science 2310 AND Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Political Science 3385 (Representation and Electoral Systems) (prior to 2012/2013) is equivalent to the same offering in the Political Science 4300 Series

POLITICAL SCIENCE 4511
Seminars in Political Philosophy (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Themes in political philosophy, such as friendship, enmity, justice, war, equality, democracy, liberty, virtue, law, empire, technology, tyranny, religion. Texts vary yearly.
Prerequisite(s): Political Science 2511 AND Third-year standing (a minimum of 60.0 credit hours)

POLITICAL SCIENCE 4610
Scope and Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Three 3000-level courses (9.0 credit hours) in Political Science
POLITICAL SCIENCE 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND Political Science 2610 AND Three of Political Science 2110, Political Science 2210, Political Science 2310, or Political Science 2511 AND At least two 3000-level courses (6.0 credit hours) in Political Science
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

PSYCHOLOGY (PSYC)
Faculty of Arts and Science

PSYCHOLOGY 1000
Basic Concepts of Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
The subject matter and methods of psychology including the nature of cognition as well as the evolutionary, biological, social, and cultural factors that frame the development of human and animal capacities.

PSYCHOLOGY 2030
Methods and Statistics
Credit hours: 3.0
Contact hours per week: 3-0-0
Basic research methods and descriptive and inferential statistics used in psychology.
Prerequisite(s): Psychology 1000
Substantially Similar: Sociology 2130

PSYCHOLOGY 2110
Introduction to Child Development
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to social, physical, and cognitive development from infancy to late childhood, and the major theoretical perspectives underlying research in each domain.
Prerequisite(s): Psychology 1000

PSYCHOLOGY 2210
Cognition and Perception: Thinking and Seeing
Credit hours: 3.0
Contact hours per week: 3-0-0
Thinking, remembering, talking, problem solving, seeing, hearing, and feeling as cognitive and perceptual processes.
Prerequisite(s): One of Psychology 1000 or a previous course (3.0 credit hours) in Neuroscience

PSYCHOLOGY 2300
Learning and Cognition
Credit hours: 3.0
Contact hours per week: 3-0-0
Conscious and unconscious cognitive processes in humans and other animals, including classical and operant conditioning.
Prerequisite(s): One of Psychology 1000 or a previous course (3.0 credit hours) in Neuroscience
Substantially Similar: Psychology 3720 (prior to 2013/2014)

PSYCHOLOGY 2320
Abnormal Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Approaches to the diagnosis and treatment of various forms of mental illness.
Prerequisite(s): One of Psychology 1000 or admission to the Post-Diploma Bachelor of Therapeutic Recreation
Equivalent: Psychology 3500 (prior to 2012/2013)

PSYCHOLOGY 2330
Abnormal Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Approaches to the diagnosis and treatment of various forms of mental illness.
Prerequisite(s): One of Psychology 1000 or admission to the Post-Diploma Bachelor of Therapeutic Recreation
Equivalent: Psychology 3500 (prior to 2012/2013)

PSYCHOLOGY 2505
Abnormal Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
Approaches to the diagnosis and treatment of various forms of mental illness.
Prerequisite(s): One of Psychology 1000 or admission to the Post-Diploma Bachelor of Therapeutic Recreation
Equivalent: Psychology 3500 (prior to 2012/2013)

PSYCHOLOGY 2700
Behaviour and Evolution
Credit hours: 3.0
Contact hours per week: 3-0-0
Concepts and research from the fields of evolutionary biology, behavioural ecology, and comparative psychology are outlined and used to provide an evolutionary context for our understanding of psychological mechanisms.
Prerequisite(s): One of Psychology 1000 or a previous course (3.0 credit hours) in Neuroscience

PSYCHOLOGY 3120
Psychology of Aging
Credit hours: 3.0
Contact hours per week: 3-0-0
Current theories of adult development and aging; the effects of aging on sensation and perception, learning, personality and social adjustment.
Prerequisite(s): Psychology 2110 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030

PSYCHOLOGY 2800
Social Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the major theoretical perspectives used in social psychology and the research methods used in the study of social behaviour. Topics include: attitudes and persuasion, prejudice and discrimination, aggression, and love and friendship.
Prerequisite(s): Psychology 1000

PSYCHOLOGY 2820
Culture, Evolution, and Human Social Life
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of how humans are both biologically evolved and culturally constructed beings, emphasizing the interdisciplinary approach required to generate an exploratory framework of sufficient power to account for the peculiar nature of human life on Earth.
Prerequisite(s): Psychology 1000

PSYCHOLOGY 2840
Comparative Sexuality
Credit hours: 3.0
Contact hours per week: 3-0-0
Human sexuality is examined from a comparative, biosocial perspective.
Prerequisite(s): Psychology 1000
Equivalent: Psychology 2850 (Human Sexuality) (prior to 2011/2012)

PSYCHOLOGY 3000
Issues in Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include two 2000-level courses (6.0 credit hours) in Psychology or Neuroscience
**PSYCHOLOGY 3130**  
**Developmental Psychopathology**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Current theories and research into atypical child development with a focus on biological, cognitive, social, emotional, and environmental influences on disordered development from conception to adolescence.  
Prerequisite(s): Psychology 2110 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience  
Equivalent: Psychology 3850 (Animal and Human Minds) (prior to 2011/2012)

**PSYCHOLOGY 3140**  
**Organizational Psychology**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The application of psychological principles, theory, and research methods to the workplace. Topics include productive and counterproductive workplace behaviours, employee attitudes, work motivation, work stress, and leadership.  
Prerequisite(s): Psychology 2800 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience  
Recommended Background: Linguistics 2300 (Psycholinguistics) (prior to 2011/2012)

**PSYCHOLOGY 3240**  
**Psychology of Language**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The study of how language is processed in the mind. Topics include language production and comprehension, language acquisition, bilingualism, and language disorders. Special emphasis will be placed on the developmental aspects of psycholinguistics.  
Prerequisite(s): One of Psychology 2110 or Psychology 2320 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience  
Equivalent: Psychology 3850 (Psycholinguistics) (prior to 2011/2012)

**PSYCHOLOGY 3250**  
**Cognition and Perception (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The study of how language is processed in the mind. Topics include productive and counterproductive workplace behaviours, work motivation, work stress, and leadership.  
Prerequisite(s): Psychology 2320 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience

**PSYCHOLOGY 3300**  
**Social Cognition**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
This course will explore how individuals make sense of themselves and the people around them. We will study classic and contemporary social cognition research to examine how people process information about their social world.  
Prerequisite(s): Psychology 2320 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience

**PSYCHOLOGY 3330**  
**Sensation and Perception**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The study of sensation and perception is the evaluation of human reception and computation of incoming information about ourselves and the environment. This course will cover the five senses—sight, hearing, touch, taste, and smell. It will also cover the changes in these senses over the lifespan, aspects of individual differences and sensory malfunction, the interaction between perception and cognition, and common characteristics of processing by all the systems.  
Prerequisite(s): Psychology 2320 AND Neuroscience 2600

**PSYCHOLOGY 3370**  
**Animal and Human Minds**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Exploration of the merits of a more embodied, embedded approach to the study of psychology through drawing on work in robotics; artificial life; cognitive science; comparative, experimental, and developmental psychology; and animal behaviour.  
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Psychology or Neuroscience  
Equivalent: Psychology 3850 (Animal and Human Minds) (prior to 2011/2012)

**PSYCHOLOGY 3400**  
**Advanced Research Design and Data Analysis**  
Credit hours: 3.0  
Contact hours per week: 3-0-1  
Advanced discussion of research design and data analysis with emphasis on sophisticated research designs, high-level statistical computer packages and current controversies in the area.  
Prerequisite(s): Psychology 2030 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience

**PSYCHOLOGY 3450**  
**Applied Statistics for Clinical Practice**  
Credit hours: 3.0  
Contact hours per week: 3-1-0  
Traditional application of descriptive and inferential statistical techniques used in applied disciplines such as health sciences and clinical psychology. Topics include choosing statistical tests, data entry and coding, parametric and non-parametric tests, correlation, chi-square, t-tests, ANOVA, interpretation of statistical tests, statistical significance versus clinical significance, and clinical implications of statistical testing.  
Prerequisite(s): Two courses (6.0 credit hours) at the 2000 level or higher in Addictions Counselling, Health Sciences, Neuroscience, or Psychology OR Third-year standing (minimum of 60.0 credit hours)
PSYCHOLOGY 3525
Hormones and Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will explore how hormones, external environmental signals and the nervous system interact to produce complex behaviour.
Prerequisite(s): Neuroscience 2600 AND One additional 2000-level course (3.0 credit hours) in Psychology or neuroscience

PSYCHOLOGY 3535
Drugs and Behaviour
Credit hours: 3.0
Contact hours per week: 3-0-0
This course will explore the interaction between the cellular and molecular effects of psychotropic drugs on brain function, and the resulting effects on behaviour.
Prerequisite(s): Neuroscience 2600 AND One additional 2000-level course (3.0 credit hours) in Psychology or neuroscience

PSYCHOLOGY 3570/HEALTH SCIENCES 3570
Contemporary Issues in Mental Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Mental health issues, including mental health research, the mental health care system, the nature of mental health, the DSM diagnostic system, the interplay between the pharmaceutical industry and the mental health care system, gender issues, mental health treatments, the role of trauma in mental health, and various specific mental health concerns such as depression, anxiety, schizophrenia, ADHD, and eating disorders.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Psychology, Neuroscience, or Health Sciences OR Third-year standing (a minimum of 60.0 credit hours)

PSYCHOLOGY 3760
Animal Communication
Credit hours: 3.0
Contact hours per week: 3-0-0
Survey of the diversity of systems of communication found in animals, including humans, and how they are tailored to the variety of social and ecological challenges that different species face. The overarching goal will be to distill from this variety some common design principles from which we can begin to understand how communication systems function, how they evolve, and how they are organized mechanistically.
Prerequisite(s): Psychology 2700 AND One additional 2000-level course (3.0 credit hours) in Psychology or neuroscience

PSYCHOLOGY 3770
Primate Lives and Human Cognitive Evolution
Credit hours: 3.0
Contact hours per week: 3-0-0
Comparative information on phylogeny, ecology, and social lives of other primates will be used to assess the extent to which the nature of human cognition can be understood in terms of evolutionary processes.
Prerequisite(s): Psychology 2700 AND One additional 2000-level course (3.0 credit hours) in Psychology or neuroscience
 Equivalent: Psychology 3850 (Primate Social Evolution and Cognition) (prior to 2011/2012)

PSYCHOLOGY 3815
Psychology of Crime
Credit hours: 3.0
Contact hours per week: 3-0-0
An overview of theories and recent scientific findings in the psychological study of antisocial behaviour, aggression, and violence.
Prerequisite(s): Two 2000-level courses (6.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030 AND Psychology 2800

PSYCHOLOGY 3835
Social Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings will focus on the interaction of the person and the environment. Specific offerings may include the psychology of attitudes, social comparison, health psychology and the psychology of the self.
Prerequisite(s): Psychology 2800 AND Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include at least one additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience

PSYCHOLOGY 3845
Issues in Sexuality
Credit hours: 3.0
Contact hours per week: 3-0-0
Human universals in sexuality examined within the broader context of human sexual diversity.
Prerequisite(s): Psychology 2840 AND One additional 2000-level course (3.0 credit hours) in Psychology or Neuroscience

PSYCHOLOGY 4000
Issues in Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include at least one additional 2000-level course (6.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030

PSYCHOLOGY 4210
Speech Development
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced seminar on child speech acquisition. Topics include speech production and perception mechanisms, classical theories and recent findings in child phonological development, and hands-on practice in the application of acoustic analytical tools.
Prerequisite(s): Psychology 3240
Recommended Background: Linguistics 2300
Equivalent: Psychology 4850 (Speech Development) (prior to 2012/2013)
PSYCHOLOGY 4325
Advanced Cognition and Perception (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced seminar in cognition and perception. Offerings will focus on processes involved in thinking and perceiving.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include two 3000-level courses (6.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030

PSYCHOLOGY 4880
Advanced Social Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Advanced seminars in social psychology. Offerings will focus on the interaction of the person and the environment.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include two 3000-level courses (6.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030

PSYCHOLOGY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct empirical research, report orally on the work, and submit a report in the form of an Undergraduate Thesis which will be made publicly available.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND One Independent Study or Applied Study (3.0 credit hours) in Psychology AND Application to the Department of Psychology
Recommended Background: Psychology 3400

PSYCHOLOGY 4400
Capstone in Psychology
Credit hours: 3.0
Contact hours per week: 3-0-0
The aim is to consolidate students’ experience of psychology and to explore areas and ideas that deal with the broader philosophical and theoretical landscape in which the discipline is situated.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A major in Psychology
Equivalent: Psychology 4850 (Capstone in Psychology) (prior to 2011/2012)

PSYCHOLOGY 4550
Abnormal Psychology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Offerings will focus on issues and concepts involved in psychological abnormality through evaluation of specific disorder categories.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings, but will normally include two 3000-level courses (6.0 credit hours) in Psychology or Neuroscience
Recommended Background: Psychology 2030

PSYCHOLOGY 5050
Graduate Seminar (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Contemporary and historically important topics in psychology. Offerings will vary according to the interests of incoming students and expertise of the instructor(s).
Prerequisite(s): Admission to the M.A. or M.Sc. program
PUBLIC HEALTH 3000

Canadian and Global Perspectives
Credit hours: 3.0
Contact hours per week: 3-0-0
Health disparities are examined within the Canadian population and global contexts. Poverty and the health of indigenous populations will be explored with a focus on community development as an approach to public health practice.
Prerequisite(s): One of Health Sciences 2700/Sociology 2700, Health Sciences 3002, one course (3.0 credit hours) in Public Health, or Third-year standing (a minimum of 60.0 credit hours) in the B.N.I program.

PUBLIC HEALTH 3420

Public Health Ethics
Credit hours: 3.0
Contact hours per week: 3-0-0
Ethical principles and values are introduced to explore the tension between individualistic notions of human rights and the communitarian concern for the well-being of communities in public health practice.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

PUBLIC HEALTH 4000

Advanced Public Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Public health and population health promotion strategies will be explored within a historical context. Health promotion strategies will focus on communication, social marketing, and healthy public policy.
Prerequisite(s): Public Health 1000 AND Public Health 2000 AND One of Health Sciences 2700/Sociology 2700 or Health Sciences 3002

PUBLIC HEALTH 4550

Practicum in Public Health
Credit hours: 15.0
Other hours: 0-0-382
Students will work with individuals, organizations, or community groups to address health promotion and population health issues within varied cultural contexts. Concepts of health promotion, chronic disease prevention, injury prevention, and epidemiology are integrated into practice. Collaboration and intersectoral partnerships may be explored through work in a community setting.
Prerequisite(s): Health Sciences 2003/Biology 2003 AND Public Health 3000 AND Public Health 3420 AND Fourth-year standing (a minimum of 90.0 credit hours)
Substantially Similar: Public Health 3050 (prior to 2010/2011); Public Health 4050 (prior to 2010/2011)
Grading: Pass/Fail

PUBLIC HEALTH 4995

Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct research, report orally on the work, and submit a report in the form of an Undergraduate Thesis which will be made publicly available. In consultation with their Thesis Supervisor, students will undertake an undergraduate thesis focused on a public health issue.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative grade point average of 3.50 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.

RELIGIOUS STUDIES 2001

Studying Religion Critically
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical examination of common presuppositions and theories about religion, including the distinction between 'personal spirituality/faith' and group activity, the arbitrary boundaries between religion and other spheres of life (e.g. politics, social structure, and art), and whether 'religion' is reducible to social or psychological factors. Introduction to various scholarly ways of understanding religion in general and particular religions as products and producers of human culture and identity. The limits of 'outsider' knowledge of religious traditions.
Prerequisite(s): Religious Studies 1000
Equivalent: Religious Studies 2000 (Anatomy of Religions) (prior to 2013/2014);
Religious Studies 3000 (The Critical Study of Religion) (prior to 2010/2011);
Religious Studies 3000 (What is Religion?) (prior to 2010/2011)

RELIGIOUS STUDIES 2100

The Hindu Tradition
Credit hours: 3.0
Contact hours per week: 3-0-0
Thought and practices of classical Hinduism; reform and sectarian movements; significant thinkers in modern Hinduism.
Prerequisite(s): One of Religious Studies 1000 or four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 2200

The Buddhist Tradition
Credit hours: 3.0
Contact hours per week: 3-0-0
Thought and practice of Theravada and Mahayana Buddhism.
Prerequisite(s): One of Religious Studies 1000 or four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 2300

East Asian Religions
Credit hours: 3.0
Contact hours per week: 3-0-0
Religious thought and practices of China and Japan, including Taoism, Confucianism, Shinto and East Asian Buddhism.
Prerequisite(s): One of Religious Studies 1000 or four courses (12.0 credit hours) in Arts and Science
RELIGIOUS STUDIES 2400
Judaism
Credit hours: 3.0
Contact hours per week: 3-0-0
An introduction to the history, beliefs, and practices of Judaism from the formation of biblical texts to the modern world, with attention to the concepts of Jewish identity and tradition, the formation of Rabbinic Judaism, and the modern plurality of Jewish practice.
Prerequisite(s): One of Religious Studies 1000 or four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 2500
Christianity
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of the major episodes, themes, and literary styles of the Old and New Testaments emphasizing the significance of the Bible to Jewish and Christian beliefs and practices and to Western culture in general. Biblical stories and motifs; variety of interpretations illustrated through classics of Western art and literature. Some consideration of historical processes in the creation of the various biblical canons.
Prerequisite(s): Four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 2600
Islam
Credit hours: 3.0
Contact hours per week: 3-0-0
Historical development of Islam from the pre-Islamic period to and including the Ottoman Empire, the Qur'an, beliefs and practices of Islam.
Prerequisite(s): One of Religious Studies 1000 or four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 2450
Bible Survey
Credit hours: 3.0
Contact hours per week: 3-0-0
A survey of the major episodes, themes, and literary styles of the Old and New Testaments emphasizing the significance of the Bible to Jewish and Christian beliefs and practices and to Western culture in general. Biblical stories and motifs; variety of interpretations illustrated through classics of Western art and literature. Some consideration of historical processes in the creation of the various biblical canons.
Prerequisite(s): Four courses (12.0 credit hours) in Arts and Science

RELIGIOUS STUDIES 3000
Studies in Religious Traditions (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Issues and aspects of various religious traditions.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings

RELIGIOUS STUDIES 3100
Studies in Indian Religion (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Issues related to the major religions of India.
Prerequisite(s): One of Religious Studies 2100 or Religious Studies 2200

RELIGIOUS STUDIES 3200
Studies in East Asian Religions (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Issues related to the major religions of China, Korea, and Japan.
Prerequisite(s): One of Religious Studies 2200 or Religious Studies 2300

RELIGIOUS STUDIES 3300
Studies in Bible (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
The critical study of Jewish and Christian Bibles' literature, theories of composition, original cultural and religious milieu, and history of interpretation, from ancient times to the present.
Prerequisite(s): Religious Studies 1000
Equivalent: Religious Studies 3450 (Hebrew Bible) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series; Religious Studies 3850 (Ancient Hebrew Religion) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series; Religious Studies 3400 (Hebrew Bible Introduction) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series

RELIGIOUS STUDIES 3350
Studies in Bible (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
The critical study of Jewish and Christian Bibles' literature, theories of composition, original cultural and religious milieu, and history of interpretation, from ancient times to the present.
Prerequisite(s): Religious Studies 1000
Equivalent: Religious Studies 3450 (Hebrew Bible) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series; Religious Studies 3850 (Ancient Hebrew Religion) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series; Religious Studies 3400 (Hebrew Bible Introduction) (prior to 2013/2014) is equivalent to the same offering in the Religious Studies 3350 Series

RELIGIOUS STUDIES 3400
Studies in Judaism (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected Topics in the history, culture, literature and thought of Judaism, from the formative period to the present.
Prerequisite(s): One of Religious Studies 1000 or seven courses (21.0 credit hours) in Arts and Science (Additional prerequisites may be specified, including any recommended background, for individual offerings)

RELIGIOUS STUDIES 3501
Studies in Christianity (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected topics in the history, culture, literature and thought of Christianity, from the formative period to the present.
Prerequisite(s): One of Religious Studies 1000 or seven courses (21.0 credit hours) in Arts and Science (Additional prerequisites may be specified, including any recommended background, for individual offerings)
Equivalent: Any offering in the Religious Studies 3000 Series with the same title as the offering in the Religious Studies 3501 Series; Religious Studies 3510 (The Early Church) (prior to 2010/2011) is equivalent to the same offering in the Religious Studies 3501 Series

RELIGIOUS STUDIES 3600
Studies in the Islamic Tradition (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the Islamic intellectual tradition, with a focus on one of the subtraditions of theology, philosophy, mysticism, or Qur'anic commentary. Classical and/or modern Muslim responses to questions pertaining to the nature of ethics, language, revelation, the human being, the cosmos, and God. Emphasis on textual analysis through a close study of important primary sources.
Prerequisite(s): Religious Studies 2600
Equivalent: Religious Studies 3000 (Islamic Theology and Philosophy) (prior to 2010/2011) is equivalent to the same offering in the Religious Studies 3600 Series
RECOMMENDED BACKGROUND

This course is designed primarily for students who have declared Religious Studies majors and minors.

COURSES

RELIgIOUS STUDIES 4110
Seminars in Eastern Religions
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars featuring selected topics in the history, culture, literature and thought of Eastern religions, from the formative period to the present.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings.

Note: This course is designed primarily for students who have declared Religious Studies majors and minors.

RELIgIOUS STUDIES 4400
Seminars in Western Religions
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars featuring selected topics in the history, culture, literature and thought of Western religions, from the formative period to the present.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings.

RELIgIOUS STUDIES 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course. Students will be expected to conduct fieldwork, text or library-based research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND
A cumulative GPA of 3.30 or higher AND
An Independent Study (3.0 credit hours) in Religious Studies at the 3000 or 4000 level
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

REMOTE SENSING
Remote Sensing
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminars featuring selected topics in the history, culture, literature and thought of Western religions, from the formative period to the present.
Prerequisite(s): Will be specified (including any recommended background) for individual offerings.

REMOTE SENSING 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND
A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

SOCIAL SCIENCES GRADUATE COURSES

Note: These courses are intended for graduate students in the M.A. program.

SOCIAL SCIENCES 5101
Research Methodology
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced investigation of epistemological, ontological, and ethical concerns relating to research methodology.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5103
Qualitative Interviewing
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of methodological, epistemological, and practical techniques in qualitative interviewing. Emphasis is placed on interview technique, reflexivity, transcription, and interpretation.
Prerequisite(s): Admission to a graduate program
Corequisite(s): Social Sciences 5101
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5105
Ethnographic Methods
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of core ethnographic techniques and approaches. Includes consideration of critical issues concerning the positioning of the researcher (in terms of 'insider' and 'outsider' perspectives) and the transformation of qualitative data into text.
Prerequisite(s): Admission to a graduate program
Corequisite(s): Social Sciences 5101
Note: This is a half-semester course offered in either the first or second half of the semester.
SOCIAL SCIENCES 5107
Discourse Analysis
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of the concept of discourse, theoretical models of discourse, and the different approaches used in the analysis of discourse.
Prerequisite(s): Admission to a graduate program
Corequisite(s): Social Sciences 5101
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5130
Multivariate Statistics
Credit hours: 3.0
Contact hours per week: 3-3-0
Advanced quantitative data analysis using statistical programs like SPSS, as well as familiarity with a range of statistical procedures such as multiple regression, factor analysis, logistic regression, discriminant function analysis, MANOVA, cluster analysis, and multi-dimensional scaling.
Prerequisite(s): Admission to a graduate program

SOCIAL SCIENCES 5201
Classical Feminist Theory
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of texts, theories, and actions that have shaped feminist thought from the Enlightenment to the mid-1960s, as well as the social conditions and conflicts in which feminist ideas arise and circulate.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5203
Historical Materialism
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of Marxist traditions. Topics may include theory and practice, ideology, objectification, commodification and commodity fetishism, modes of production, exchange and consumption, and alienation.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5205
Structuralism/Functionalism
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of theories of structure and/or function in social thought including structural-functionalism, structuralism and systems analysis, and critiques or revaluations of these theories.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5207
Culture and History
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of cultural theory and history in Weberian and related traditions. Topics may include historical relations between culture and social practice, and processes of modernization and rationalization as they apply to identity, status, and power.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5301
Contemporary Feminist Theory
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of texts, theories, and actions that currently animate feminist thought, as well as the social conditions and conflicts in which feminist ideas arise and circulate.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5303
Critical Theory
Credit hours: 1.5
Contact hours per week: 3-0-0
Advanced exploration of critical theories of society, culture, and communications. Topics may include hegemony, legitimation, transgression, ideology, and reification.
Prerequisite(s): Admission to a graduate program
Note: This is a half-semester course offered in either the first or second half of the semester.
SOCIAL SCIENCES 5703  
Professional Seminar II  
Credit hours: 1.5  
Contact hours per week: 3-0-0  
Various topics relating to the practical aspects of academic life. Topics may include writing and motivation, ethics review, grantsmanship, publication practices, the thesis defence, job search, and CV construction.  
Prerequisite(s): Admission to a graduate program  
Grading: Pass/Fail  
**Note:** This is a half-semester course offered in either the first or second half of the semester.

SOCIAL SCIENCES 5850  
Topics in Social Sciences  
Credit hours: 1.5  
Contact hours per week: 3-0-0  
Selected topics to be offered as determined by student program needs and available University resources. Topics may include auto-ethnography, archival research and historical methods, and visual methods.  
Prerequisite(s): Admission to a graduate program  
(Additional prerequisites may be specified, including any recommended background, for individual offerings)

SOCIAL SCIENCES 5901  
Quantitative Reasoning in Social Science Research  
Credit hours: 1.5  
Contact hours per week: 3-0-0  
A seminar in quantitative reasoning underpinning social science research, designed to equip students to read and critique quantitative research at the graduate level.  
Prerequisite(s): Admission to a graduate program  
**Note:** This is a half-semester course offered in either the first or second half of the semester.

SOCIOLOGY 1000  
Introduction to Sociology  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Human social behaviour, the processes and patterns of group interaction and group influence on individual behaviour. Areas of sociological concern such as social organization, social stratification, ethnic relations and family interaction introduce some of the major concepts, theories and procedures of sociological inquiry.

SOCIOLOGY 2010  
Canadian Society  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The changing structure of Canadian society and its current social features.  
Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2050  
Social Inequality  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Analysis of social inequality in contemporary societies. Classical and contemporary theoretical approaches to class, power, and inequality. Empirical studies on inequality. Specific attention to several key sociological concepts, including power, class, gender, race and ethnicity, and the body.  
Prerequisite(s): Sociology 1000

SOCIOLOGY 2100  
Research Methodology  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Introduction to the philosophy of social scientific investigation; concepts and methods of qualitative and quantitative research.  
Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2300  
Committing Sociology  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Sociology as a way of thinking, theorizing, and analyzing. Students will be required to critically examine assumptions, ways of seeing, and the commitments that come with being members of society.  
Prerequisite(s): Sociology 1000

SOCIOLOGY 2410  
Sociology of Gender  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
An introduction to sociological perspectives on gender, focusing on the social construction of gendered bodies, subjectivities, desires, sexuality through social interaction, and institutions. Comparative and historical perspectives on gender as foundational to operations of power in western societies.  
Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2500  
Deviance, Conformity and Social Control  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Normative processes by which deviance is constructed with a particular focus on power as both implicated in, and the outcome of, these processes.  
Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology
SOCIALLY 2600 - Sociology 3340

SOCIALLY 2600
The Social Individual and Society
Credit hours: 3.0
Contact hours per week: 3-0-0
Symbolic interaction and theories of the self are studied in the context of shifting interrelationships between the individual and society, from institutions to networks and from face-to-face to digitally-mediated interactions.
Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIALLY 2700/HEALTH SCIENCES 2700
Health and Society
Credit hours: 3.0
Contact hours per week: 3-0-0
Sociological perspectives on health and wellness within Canadian and global contexts. The relationship between social organization and health; social constructions and meanings of health; social epidemiology; health beliefs and behaviour; and the experience of illness.
Prerequisite(s): Sociology 1000

SOCIALLY 2700
The Sociology of Youth
Credit hours: 3.0
Contact hours per week: 3-0-0
An examination of structures and processes impacting youth in society. Topics may include socialization, the maturation process, youth culture, and adolescence in historical and comparative perspective.
Prerequisite(s): Sociology 1000
Equivalent: Sociology 3770 (prior to 2014/2015)

SOCIALLY 3020
Social Problems
Credit hours: 3.0
Contact hours per week: 3-0-0
Processes by which social conditions come to be defined as problems, the consequences of these social problems for society and the nature of social reaction.
Prerequisite(s): One of Sociology 2050 or Sociology 2300
Equivalent: Sociology 2020 (prior to 2014/2015)

SOCIALLY 3050
Sociology of Race and Ethnicity
Credit hours: 3.0
Contact hours per week: 3-0-0
Examines racial and ethnic difference as social constructs, particularly in relation to prejudice, discrimination, colonialism, assimilation, power, and prestige.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology
Recommended Background: Sociology 2010 AND Sociology 3020

SOCIALLY 3100
Survey Research
Credit hours: 3.0
Contact hours per week: 3-0-0
Interviews and questionnaires in data collection, quantitative data analysis, statistical analysis using computer techniques.
Prerequisite(s): Sociology 2100

SOCIALLY 3120
Qualitative Research Methods
Credit hours: 3.0
Contact hours per week: 3-0-0
Techniques in qualitative data collection and analysis; interviews, participant observation and unobtrusive methods.
Prerequisite(s): One of Sociology 2100, Addictions Counselling 3260, or Nursing 3360

SOCIALLY 3130
Social Statistics II
Credit hours: 3.0
Contact hours per week: 3-0-0
Hands-on training on a variety of topics related to quantitative research design, data sources available for such research. Familiarity with quantitative data management computer programs like SPSS. Familiarity with a range of statistical procedures commonly used in social science research, such as multiple regression, factor analysis, logistic regression, ANOVA, cluster analysis, and reliability analysis.
Prerequisite(s): Sociology 2130
Equivalent: Sociology 4850 (Advanced Statistical Methods) (prior to 2012/2013); Sociology 4850 (Applied Multivariate Data Analysis) (prior to 2012/2013); Sociology 4850 (Multivariate Statistics) (prior to 2012/2013)

SOCIALLY 3210
Classical Sociological Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Early theoretical development of sociology as a mode of inquiry and field of study.
Prerequisite(s): Sociology 2300
Equivalent: Sociology 2200 (prior to 2014/2015)

SOCIALLY 3220
Contemporary Sociological Theory
Credit hours: 3.0
Contact hours per week: 3-0-0
Recent theoretical developments and diversifications in sociology to the present.
Prerequisite(s): Sociology 3210
Equivalent: Sociology 2210 (prior to 2014/2015)

SOCIALLY 3310
Sociology of Families
Credit hours: 3.0
Contact hours per week: 3-0-0
Functions of the family as a social institution. Developmental stages in family life. The changing nature of family and its relationships with society. Changing role relationship involved in family interactions, marital stability, adjustment and breakdown.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology

SOCIALLY 3330
Sociology of Religion
Credit hours: 3.0
Contact hours per week: 3-0-0
Religion as a cultural and social phenomenon; religious experience and its institutional expression.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology or Religious Studies

SOCIALLY 3340
Medical Sociology
Credit hours: 3.0
Contact hours per week: 3-0-0
Sociological analysis of Western medicine as knowledge, institutions, practices, and power.
Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology
Recommended Background: Sociology 2010 AND Sociology 3020
**SOCILOGY 3360**  
**Political Sociology**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Sociological and institutional underpinnings of politics. Theories of political action. Intersection of politics with factors such as class, gender, and ethnicity. Social movements, nationalism, the role of states versus markets, and the power of international corporations.  
Prerequisite(s): One of Sociology 2010, Sociology 2300, or one 2000-level course (3.0 credit hours) in Political Science

**SOCILOGY 3420**  
**Sociology of Work**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Examines trends, structures, and social relations related to paid and unpaid work and labour. Topics may include industrialization, restructuring, globalization, unemployment, gender, technological change, worker-management relations, and family and volunteer work.  
Prerequisite(s): One of Sociology 2050 or Sociology 2300  
Equivalent: Sociology 2440 (prior to 2014/2015)

**SOCILOGY 3460**  
**Body and Society**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
The social aspects of bodily expression and repression. Selected theories of the body in socio-historical and cultural contexts. Social institutions and relations concerning reproductive, aging, ill, disabled, gendered, young, and marginalized bodies.  
Prerequisite(s): One of Sociology 2300 or Sociology 2410

**SOCILOGY 3740**  
**Digital Culture and Society**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Social impact and significance of web-based communication media. Critical examination of the implications of cyberspace for sociological concepts and constructs such as culture, community, identity, agency, democracy and education.  
Prerequisite(s): One of a 2000-level course (3.0 credit hours) in Sociology or [Sociology 1000 and third-year standing (a minimum of 60.0 credit hours)]

**SOCILOGY 4100**  
**Advanced Themes in Social Institutions (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Senior seminars involving intensive and rigorous study of social institutions and the social forces that transform institutions over time and space. May include study of language, gender, families, communities, and markets; and religious, political, and other organizations. Offerings vary depending on student interest and faculty availability.  
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND  
Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include two courses (6.0 credit hours) in Sociology at the 3000 level  
Equivalent: Sociology 4850 (The Making of the Private Self) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4100 Series; Sociology 3850 (Sociology of Risk) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4100 Series; Sociology 4850 (Advanced Seminar in the Sociology of Religion) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4100 Series

**SOCILOGY 4300**  
**Advanced Themes in Bodies and Embodiment (Series)**  
Credit hours: 3.0  
Contact hours per week: 3-0-0  
Senior seminars involving intensive and rigorous study of the body as culturally, historically, and sociologically situated. Offerings vary depending on student interest and faculty availability.  
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND  
Equivalent: Sociology 4850 (The Making of the Private Self) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4300 Series; Sociology 3850 (Sociology of Risk) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4300 Series; Sociology 4850 (Sociology of Risk) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4300 Series; Sociology 4850 (Eugenics to Genetics: Social Issues) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4300 Series; Sociology 4850 (Embodying Sociology) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4300 Series
SOCIOLOGY 4600
Advanced Themes in Social Control (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of the formal and informal ways in which individuals, groups, and/or subjectivities are produced and constrained. Offerings vary depending on student interest and faculty availability.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include two courses (6.0 credit hours) in Sociology at the 3000 level
Equivalent: Sociology 4850 (Seminar in Deviance Theory) (prior to 2014/2015) is equivalent to the Sociology 4600 Series; Sociology 4850 (Militarism and Society) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4600 Series; Sociology 4850 (Social Stratification) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4600 Series

SOCIOLOGY 4700
Advanced Themes in Culture (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of advanced themes in culture. Offerings vary depending on student interest and faculty availability.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include two courses (6.0 credit hours) in Sociology at the 3000 level
Equivalent: Sociology 4850 (Advanced Seminar in the Sociology of Subculture) (prior to 2014/2015) is equivalent to the Sociology 4700 Series; Sociology 4850 (The Social Life of Things: Communication, Collection, Obsession) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4700 Series; Sociology 4850 (Sounds and Society) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4700 Series

SOCIOLOGY 4800
Advanced Themes in Population Studies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study of subjects such as contemporary social, economic, and environmental issues of global populations. Offerings vary depending on student interest and faculty availability.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include two courses (6.0 credit hours) in Sociology at the 3000 level
Equivalent: Sociology 3850 (Global Population) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4800 Series; Sociology 4850 (Boomer and Millennial Social Trends) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4800 Series; Sociology 4850 (Social Forecasting: The Future of Canada) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4800 Series
SOCIOLOGY 4900
Advanced Themes in Social Theory and/or Methods (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Senior seminars involving intensive and rigorous study on a selected theme in social theory and/or methods. Offerings vary depending on student interest and faculty availability.
Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) AND Additional prerequisites will be specified, including any recommended background, for individual offerings, but will normally include two courses (6.0 credit hours) in Sociology at the 3000 level
Equivalent: Sociology 4200 (Seminar in Classical Sociological Theory) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4900 Series; Sociology 4210 (Seminar in Contemporary Sociological Theory) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4900 Series; Sociology 4850 (Resisting Methods) (prior to 2014/2015) is equivalent to the same offering in the Sociology 4900 Series
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

SOCIOLOGY 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct fieldwork, text or library-based research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a research plan.
Note: Students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.

SPANISH 1000
Beginners' Spanish I
Credit hours: 3.0
Contact hours per week: 3-0-0
Fundamentals of spoken and written Spanish.
Note: For students with little or no knowledge of Spanish.
Students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.
Credit for Spanish 1000 will not normally be granted to students with Spanish 30-3Y, 20-6Y, 30-6Y, 10-9Y, 20-9Y, 30-9Y, or equivalent.
Students may be able to take this course for credit with permission of the Department of Modern Languages if high school Spanish courses were completed more than five years ago.

SPANISH 1100
Beginners' Spanish II
Credit hours: 3.0
Contact hours per week: 3-0-0
Continuation of Spanish 1000.
Prerequisite(s): One of Spanish 1000, Spanish 20-6Y, or Spanish 30-3Y
Note: Students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.
Credit for Spanish 1100 will not normally be granted to students with Spanish 10-9Y, 20-9Y, 30-6Y, or equivalent.
Students may be able to take this course for credit with permission of the Department of Modern Languages if high school Spanish courses were completed more than five years ago.
Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

SPANISH 1500
Intermediate Language I
Credit hours: 3.0
Contact hours per week: 3-0-0
Development of language skills: oral expression, listening comprehension, reading, and writing.
Prerequisite(s): One of Spanish 1100, Spanish 10-9Y, Spanish 20-9Y, or Spanish 30-6Y
Note: Students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.
Credit for Spanish 1500 will not normally be granted to students with Spanish Language Arts 30, Spanish 30-9Y, or equivalent.
Students may be able to take this course for credit with permission of the Department of Modern Languages if high school Spanish courses were completed more than five years ago.
Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

SPANISH 2000
Intermediate Language II
Credit hours: 3.0
Contact hours per week: 3-0-0
The finer points of grammar; refinement of writing style. Further training in the skills of speaking, reading, and listening comprehension.
Prerequisite(s): One of Spanish 1500, Spanish 30-9Y, or Spanish Language Arts 30
Note: Students must complete the Student Information Form and the placement test, if required. Results will determine placement in the appropriate course.
Students who have fluent oral skills should contact the Department of Modern Languages for proper placement.

SPANISH 2100
Fundamentals of Spanish Communication
Credit hours: 3.0
Contact hours per week: 2-1-0
Development of basic oral communicative abilities in Spanish with emphasis on conversational skills. Reading and writing skills also introduced.
Prerequisite(s): Spanish 1100
Equivalent: Spanish 2850 (Fundamentals of Spanish Communication) (prior to 2015/2016)
Note: Not for native or heritage speakers or for students with intermediate or advance oral fluency.
SPANISH 2200
Culture and Civilization I
Credit hours: 3.0
Contact hours per week: 3-0-0
Text and film-based study of aspects of Spanish-American culture and civilization after the wars of independence (post-1800).
Prerequisite(s): Spanish 2000

SPANISH 2250
Spanish Immersion
Credit hours: 3.0
Other hours: Immersion in a Spanish/Spanish American milieu
Academic and living experiences in a Spanish/Spanish American milieu. Institution to be approved by the Department. For students taking part in the Spanish Visiting Student Programme only.
Prerequisite(s): Spanish 2000 with a minimum 'C' grade AND Second-year standing (a minimum of 30.0 credit hours)
Grading: Pass/Fail

SPANISH 2300
Introduction to Hispanic Literature and Literary Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
Introduction to the study of literature and major literary theories and their application through the study of Spanish and/or Spanish-American prose, poetry, and drama.
Prerequisite(s): Spanish 2000

SPANISH 3001
Advanced Language
Credit hours: 3.0
Contact hours per week: 3-0-0
Structural and stylistic nuances of Spanish.
Prerequisite(s): Spanish 2000

SPANISH 3002
Spanish for Professional Contexts
Credit hours: 3.0
Contact hours per week: 2-1-0
Expansion of vocabulary and reading and writing activities in four professional areas: science, education, business, and tourism.
Prerequisite(s): Spanish 2000
Note: Not open to native or semi-native speakers of Spanish.

SPANISH 3100
Survey of Literature from Spain and Spanish America
Credit hours: 3.0
Contact hours per week: 3-0-0
General overview of periods, trends and genres in Spanish peninsular literature and Spanish-American literature through representative works, beginning in the Middle Ages. Improvement of skills in literary analysis, as well as reading and writing skills in the Spanish language.
Prerequisite(s): Spanish 2000
Corequisite(s): Spanish 2300

SPANISH 3500
Survey of Spanish and/or Spanish-American Literature (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Representative literary works of Spain and/or Spanish America.
Prerequisite(s): Spanish 2300
Equivalent: Spanish 3850 (The Spanish Golden Age) (prior to 2010/2011) is equivalent to the same offering in the Spanish 3500 Series; Spanish 3850 (Spanish Women Writers (1450-2000)) (prior to 2010/2011) is equivalent to the same offering in the Spanish 3500 Series

SPANISH 3501
Seminar in Literature (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Selected and representative works of major authors or literary movements of a specific period or century.
Prerequisite(s): Spanish 2300
Equivalent: Spanish 3850 (Gold Age Drama) (prior to 2011/2012) is equivalent to the same offering in the Spanish 3501 Series; Spanish 3850 (The Spanish Golden Age) (prior to 2011/2012) is equivalent to the same offering in the Spanish 3501 Series; Spanish 3500 (The Spanish Golden Age) (prior to 2011/2012) is equivalent to the same offering in the Spanish 3501 Series

SPANISH 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a challenging, work-intensive, research-oriented course in which students will conduct fieldwork, text, library-based or empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

STATISTICS 1770
Introduction to Probability and Statistics
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): One of Mathematics 30-1, Mathematics 30, Mathematics 0500, admission to the Post-Diploma B.A. in Agricultural Studies, admission to the Post-Diploma B.Sc. in Agricultural Studies, or admission to the Post-Diploma B.Sc. in Environmental Science

STATISTICS 2200
Survey Design and Analysis
Credit hours: 3.0
Contact hours per week: 3-0-0
Simple random sampling. Stratified sampling. Systematic and cluster sampling. Ratio, regression, and difference estimators.
Prerequisite(s): Statistics 1770
STATISTICS 2780
Statistical Inference
Credit hours: 3.0
Contact hours per week: 3-0-1
Prerequisite(s): Statistics 1770
Substantially Similar: Economics 2900

STATISTICS 3500
Mathematical Probability
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Mathematics 2560 AND Statistics 2780
Recommended Background: Statistics 2780

STATISTICS 3510
Mathematical Statistics
Credit hours: 3.0
Contact hours per week: 3-0-0
Prerequisite(s): Statistics 3500
Recommended Background: Statistics 2780

STATISTICS 3700
Design and Analysis of Experiments
Credit hours: 3.0
Contact hours per week: 3-1-0
Prerequisite(s): One of Statistics 2780 or Economics 2900
Equivalent: Statistics 3850 (Design and Analysis of Experiments) (prior to 2009/2010)

URBAN AND REGIONAL STUDIES (UBRE)

Faculty of Arts and Science

Note: Urban and Regional Studies courses are offered by the Department of Geography.

URBAN AND REGIONAL STUDIES 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is an intensive, research-oriented course in which students will conduct empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND One Independent Study (3990) or Applied Study (3980) course (3.0 credit hours) with an Urban and Regional Studies focus AND Approval of the Coordinator of Urban and Regional Studies

Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

WOMEN AND GENDER STUDIES (WGST)

Faculty of Arts and Science

WOMEN AND GENDER STUDIES 1000
Knowing Bodies: An Introduction to Women and Gender Studies
Credit hours: 3.0
Contact hours per week: 3-0-0
A critical feminist examination of women's embodied lives in differing social locations. The course challenges the traditional dichotomies of mind/body, culture/nature, and public/private in the treatment of such topics as the feminization of poverty; sexualities, reproduction, and family life; violence against women; women and religion; and culture and body image.
Equivalent: Women's Studies 1000 (prior to 2012/2013)

WOMEN AND GENDER STUDIES 2100/HEALTH SCIENCES 2600
Women and Health
Credit hours: 3.0
Contact hours per week: 3-0-0
Concerns of women in health and illness are explored in relation to current formal and informal health care practices.
Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Women's Studies 2100/Health Sciences 2600 (prior to 2012/2013)
WOMEN AND GENDER
STUDIES 2300
Theorizing Women's Lives: Feminist Frameworks
Credit hours: 3.0
Contact hours per week: 3-0-0
A history of the development of feminist theoretical perspectives from the 18th Century to the present using a multidisciplinary perspective.
Recommended Background: Women and Gender Studies 1000
Equivalent: Women's Studies 2300 (prior to 2012/2013)

WOMEN AND GENDER
STUDIES 2600
Activism and Advocacy
Credit hours: 3.0
Contact hours per week: 3-0-0
This course explores the critical link between feminist theoretical perspectives and practice. Through various historical periods and global settings, students evaluate ways in which feminist consciousness shapes women's local, national, and transnational activism.
Utilizing experiential learning, students gain first-hand knowledge of viable forms of advocacy for social justice and equality.
Recommended Background: Women and Gender Studies 1000
Equivalent: Women's Studies 2600 (prior to 2012/2013)

WOMEN AND GENDER
STUDIES 2700
Feminist Approaches to Research
Credit hours: 3.0
Contact hours per week: 3-0-0
Critical analysis of scientific methods and research processes from a feminist perspective including design, collection and analysis of qualitative and quantitative data.
Prerequisite(s): One of Women and Gender Studies 1000 or Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Women's Studies 2700 (prior to 2012/2013)

WOMEN AND GENDER
STUDIES 3010
Women, Bodies and Movement (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series investigates the relationships of women and their bodies to the physical, cultural, and social domains in which they move. Individual offerings will focus on or include areas such as health; sexualities; physical activity and well-being; cultural production; media; paid and unpaid labour; and migration and coerced removal.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Any offering in the Women's Studies 3010 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3010 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.

WOMEN AND GENDER
STUDIES 3020
Women and Globalization (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series examines how women's lives and local environments are impacted by globalization. Individual offerings will focus on or include areas such as global and grassroots feminist alliances; human rights; feminist political economy; indigeneity; ecofeminism; technology transfer; sex trade and tourism; feminization of labour and free trade zones; and population, integration, and immigration policies.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Any offering in the Women's Studies 3020 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3020 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.
WOMEN AND GENDER
STUDIES 3040
The Politics of Representation (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series examines myriad ways women have been represented and how they have resisted or challenged those representations in various cultural forms and practices. Individual offerings will focus on or include areas such as popular culture, media, sexualities, literature, visual arts, performing arts, law, internet, fashion, cosmetic industries, and the impact of advertising and marketing on young girls.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Any offering in the Women's Studies 3040 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3040 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.

WOMEN AND GENDER
STUDIES 3050
Sex and Spiritualities (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series explores the relationship between faith, spirituality, and sexuality among world and indigenous religious traditions and new religious movements. Individual offerings will focus on or include areas such as religious gender ideologies, rites of passage into adulthood, sexual prohibitions and taboos, mysticism, and images of the divine as feminine and masculine.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Any offering in the Women's Studies 3050 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3050 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.

WOMEN AND GENDER
STUDIES 3060
Science, Spaces, Environments, and Technology (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
This series examines contemporary relationships among society and space; nature, environment and development; and culture and technology. Individual offerings will focus on or include areas such as feminist responses to the design, use, and increasing privatization of public spaces; the role of gender in planning for environmental sustainability; feminist political economy; and critiques of science.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Women's Studies 2850 (Gender and Environmental Movements) (prior to 2010/2011) is equivalent to the same offering in the Women and Gender Studies 3060 Series; Women's Studies 3850 (Women and the Environment) (prior to 2010/2011) is equivalent to the same offering in the Women and Gender Studies 3060 Series; Any offering in the Women's Studies 3060 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3060 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.

WOMEN AND GENDER
STUDIES 3070
Social Justice and the State (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Relationships between various state formations and women's lives. Offerings start from the understanding that the state plays a central role in organizing gender, racial, sexual, and national relations of power. Focus on specific areas such as reproductive rights, paid/unpaid labour, citizenship and immigration, indigenous sovereignty, sexual rights, social security, marriage, and war/militarism.
Prerequisite(s): Women and Gender Studies 1000 or a previous course in Women and Gender Studies AND Second-year standing (a minimum of 30.0 credit hours)
Equivalent: Women's Studies 2900 (Women and the State) (prior to 2011/2012) is equivalent to the same offering in the Women and Gender Studies 3070 Series; Any offering in the Women's Studies 3070 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3070 Series
Note: Gender-based courses in other disciplines may be appropriate background preparation for this course. Please contact the Department of Women and Gender Studies for more information.

WOMEN AND GENDER
STUDIES 3350
Feminist Frameworks (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Exploration of contemporary scholarship within feminist theoretical frameworks as they apply to specific topics or debates in the discipline. Individual offerings will focus on or include areas such as critical race theory, First Nations/Indigeneity, postmodern feminism, queer and trans theory, ecofeminism, globalization, decolonization, Third Wave feminist theories, and other specific areas that address the politics of difference.
Prerequisite(s): Women and Gender Studies 2300
Equivalent: Women's Studies 3300 (Advanced Feminist Theory) (prior to 2012/2013) is equivalent to the same offering in the Women and Gender Studies 3350 Series
WOMEN AND GENDER STUDIES 3700
Advanced Research Practice
Credit hours: 3.0
Contact hours per week: 3-0-0
Students will design research proposals, write grant applications and conduct ethics reviews for specific projects, employing feminist research theory and methods.
Prerequisite(s): Women and Gender Studies 2700 AND Women and Gender Studies 3350 OR One of Addictions Counselling 3260 or Nursing 3360
Equivalent: Women's Studies 3700 (prior to 2012/2013)

WOMEN AND GENDER STUDIES 4900
Senior Seminar in Women and Gender Studies (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Seminar for advanced investigation of specific topics or current issues in Women and Gender Studies.
Prerequisite(s): One of Women and Gender Studies 2300 or Women and Gender Studies 2700 AND Third-year standing (a minimum of 60.0 credit hours)
Equivalent: Any offering in the Women's Studies 4900 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 4900 Series
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.
See Part 7 - Arts and Science, Section 10.

WOMEN AND GENDER STUDIES 4995
Undergraduate Thesis
Credit hours: 6.0
Contact hours per week: Variable
This is a research-oriented course in which students will conduct empirical research, submit a report in the form of an Undergraduate Thesis which will be made publicly available, and report orally on the work. In consultation with their Thesis Supervisor, students will define a research problem and formulate a research plan.
Prerequisite(s): Fourth-year standing (a minimum of 90.0 credit hours) AND A cumulative GPA of 3.30 or higher AND One of Women and Gender Studies 2700 and one Independent Study (3.0 credit hours) in Women and Gender Studies at the 3000 or 4000 level
Note: Contact hours will vary. Students should be aware that this course involves regular contact with the Thesis Supervisor as well as considerable independent work.

WRITING 1000
Introduction to Academic Writing
Credit hours: 3.0
Contact hours per week: 3-0-0
This course is designed to develop skills in critical reading and writing at the university level. The course includes the critical reading of assigned texts and an introduction to expository writing, including description, analysis, persuasion and other strategies of academic discourse. Special attention will be paid throughout to conventions of English usage.
Note: This course may NOT be included among the 13 courses required for the major in English for the B.A., BASc., or B.A./B.Mgt., or for the major in English/English Language Arts Education for the B.A./B.Ed.
This course does NOT satisfy the prerequisite for 2000-level courses in English.

WRITING 2000
Writing in the Disciplines (Series)
Credit hours: 3.0
Contact hours per week: 3-0-0
Theoretical and practical instruction in writing across the various disciplines and discourse communities that comprise the university. Offerings will depend upon faculty availability and will explore issues related to research and professional writing and rhetoric in a particular discipline.
Prerequisite(s): Writing 1000
1. APPLICATION FOR AWARDS .................................. 457
   a. Introduction ............................................. 457
   b. Eligibility .............................................. 457
   c. Measuring Academic Performance for Scholarship Purposes 458
   d. Disclaimer ............................................. 459
   e. Definition of Terms ................................... 459
2. ENTRANCE AWARDS ....................................... 460
   a. Leadership Scholarships ............................ 461
   b. Awards for High School Applicants .............. 462
   c. Transfer Scholarships .............................. 466
3. ENTRANCE, TRANSFER, OR CONTINUING AWARDS .......... 467
4. UNDERGRADUATE AWARDS .............................. 477
   a. General .................................................. 477
   b. Arts and Science ..................................... 493
   c. Education .............................................. 506
   d. Fine Arts .............................................. 511
   e. Health Sciences ..................................... 517
   f. Management .......................................... 521
   g. Athletics .............................................. 533
5. ACADEMIC MEDALS ...................................... 540
6. FINANCIAL ASSISTANCE ................................. 541
   a. Repayment .............................................. 541
   b. Withdrawal from Courses ........................... 542
   c. Incomplete (I) and Continuing (X) Grades .... 542
   d. Emergency Student Loan Fund .................... 542
7. INDEX OF AWARDS AND SCHOLARSHIPS ............... 543

1. APPLICATION FOR AWARDS
   a. Introduction
   These guidelines are intended to ensure consistency and equity in the administration of awards and financial aid. The guidelines also assist students in developing an argument to defer or appeal an award decision. The Student Awards Committee is at liberty to set these guidelines aside when extenuating circumstances arise.

   b. Eligibility
   1. Application and Application Deadlines
   To be eligible for awards and scholarships, application forms must be completed and received by Scholarships and Student Finance no later than the designated date. Only in circumstances that are substantially beyond the student’s control will an appeal be considered for an application submitted after the stated deadline date. Unless otherwise stated, application deadlines are as follows:
   - Board of Governors’ Admission and Relocation Awards
     A completed Application for Admission must be received by December 15
   - Leadership Awards
     March 15
   - High School Applicant Awards
     March 15
   - Transfer Awards
     June 15
   - Undergraduate Awards
     May 1
   All on-line applications close at midnight on the stated deadline. When the deadline falls on a holiday or weekend, paper applications will be accepted until closing the next business day. Successful applicants will be notified by letter in August.

   When no application is required, the award is made automatically on the basis of academic achievement. When an award recipient is to be nominated and no nomination is received; where appropriate, the University reserves the right to make a selection based on academic achievement.

   2. Tenure of Awards
   Scholarships administered by the University of Lethbridge are available only to those students pursuing University of Lethbridge programs or to those students enrolled in recognized professional transfer programs. All awards are contingent upon students proceeding with their University program in the next academic session and are payable only when the student is in actual attendance as a full-time student in a study term at the University of Lethbridge.

   Exceptions to this requirement are:
   a. Part-time Awards - If an award has been granted to a part-time student, the award will be payable when the student is in actual attendance at the University of Lethbridge.
   b. Immersion Students - If an award has been granted to a student who will be attending another institution to participate in an approved Visiting Student program, the award will be disbursed to the student. Students must be registered in French 2250, German 2250, or Spanish 2250 at the University of Lethbridge to receive payment.
   c. Graduating Students - If a student has been granted an award designated for a graduating student, the student will receive payment of the award without being required to register in the next academic session.
If a student withdraws from full-time studies after having received a payment for an award, unpaid balances of awards outstanding are forfeited. In addition, grades received in prior years will not be considered a second time for scholarship purposes. Eligibility for future scholarships will be based on future academic achievement.

3. Payment of Awards
   a. Replacement - Any award administered by the University of Lethbridge is subject to replacement by an award of equal or greater value.
   b. Payment Schedule - Awards totaling more than $1,000 are paid in two equal payments: the first on October 1 and the second on February 1.
   c. Students Graduating in December - If the award is paid in two payments, the student must be registered in both the fall and spring semesters. However, students who graduate in December will receive the second payment upon written request to Scholarships and Student Finance.
   d. Deductions - The University may deduct from award payments any funds owed to the University.
   e. According to Canadian Tax regulations all financial awards granted to a student may be considered taxable income. Students will receive a T4A information slip for awards paid to them in the calendar year (January - December).

4. Deferral
   A request for a deferral must be submitted in writing to Scholarships and Student Finance by October 31 for the fall semester and February 28 for the spring semester. Justifiable reasons for deferral include:
   a. Unavoidable Circumstances - An award may be deferred when circumstances which are substantially beyond the student’s control prevent his/her full-time registration in the semester for which an award was made.

5. Returning After an Absence
   Students who interrupt post-secondary studies and return after an absence shall be considered for University of Lethbridge awards. Evaluation will be based on the student’s last year of full-time attendance at the University of Lethbridge subject to the rules guiding Undergraduate Awards.

6. Posthumous Awards
   Financial awards will not be disbursed posthumously.

7. Letters of Appreciation
   Where a donor contact is available, award recipients will be expected to write a letter of appreciation to the donor.

c. Measuring Academic Performance for Scholarship Purposes
1. Only Records
   Only academic records from the last five years will be considered for measurement of academic achievement.

2. High School Applicant Awards
   These awards are for students entering the University for the first time. Unless otherwise stated, the criterion for awards for new post-secondary students is demonstrated academic achievement. Academic achievement for Alberta high school graduates is based on the admission average, as defined in Part 1 - Admission unless otherwise stated, the minimum admission average required is 80 percent for scholarships and 70 percent for awards.
   Equivalent credentials from other educational jurisdictions will be considered in accordance with the Admission guidelines stated in the University of Lethbridge Calendar.
   Awards offered to high school applicants based on predicted grades are subject to cancellation or changes to the award value if actual admission averages deviate more than five percent and/or drop below an actual admission average of 80 percent.

3. Transfer Awards
   These awards are for students entering the University for the first time and admitted as transfer applicants as defined in Part 1 - Admission. Unless otherwise stated, the criterion for transfer awards is demonstrated academic achievement measured by the award transferable GPA as defined in Section 1e. Definition of Terms (p. 459). In the case of scholarships and awards for which the main criterion is academic achievement, consideration is given only to candidates who have successfully completed a minimum of 24.0 credit hours while enrolled in a post-secondary level program. These courses must transfer into the program for which the candidate has been admitted to the University. The minimum award transferable GPA required is 3.50 for scholarships and 3.00 for awards.

4. Post-Diploma Awards
   These awards are for students entering the University for the first time and admitted as college diploma applicants as defined in Part 1 - Admission. Unless otherwise stated, the criterion for post-diploma awards is demonstrated academic achievement measured by the diploma cumulative program GPA. The minimum cumulative program GPA required is 3.50 for scholarships and 3.00 for awards.

5. Collaborative Program Awards
   These awards are for students who have completed their course work at the collaborating college and are starting their full-time course work at the University of Lethbridge. Unless otherwise stated, the criterion for collaborative program awards is demonstrated academic achievement measured by the award transferable GPA as defined in Section 1e. Definition of Terms. In the case of scholarships and awards for which the main criterion
is academic achievement, consideration is only given to candidates who have successfully completed a minimum of 24.0 credit hours in the preceding fall and spring semesters while attending full-time studies at the collaborating college. The minimum award transferable GPA required is 3.50 for scholarships and 3.00 for awards.

6. Undergraduate Awards

These awards are for students who are continuing in full-time studies in their undergraduate degree program. Unless otherwise stated, the criterion for undergraduate awards is demonstrated academic achievement measured by the award GPA as defined in Section 1.e. Definition of Terms. Consideration is given only to candidates who have successfully completed a minimum of 24.0 credit hours in the last two semesters while attending full-time studies at the University of Lethbridge. While 24.0 credit hours is the minimum criterion which applies, all other things being equal, those students taking more than 24.0 credit hours over the academic year will be given priority in the case of a tie. Summer session courses are not calculated in a student’s award GPA. Unless otherwise stated the minimum award GPA required is 3.50 for scholarships and 3.00 for awards.

For award purposes, Pass/Fail courses are included in the 24.0 credit hours; courses designated Credit/Non-Credit are not included in the 24.0 credit hours.

Students with an Incomplete or Continuing grade appearing on their transcript in the last two semesters will have until August 15 to complete the course and remain eligible for awards. This guideline applies to all students applying for Undergraduate Awards.

7. Athletic Awards

Athletes must have been enrolled in full-time studies (9.0 credit hours) in each of the previous fall and spring semesters while participating on a University of Lethbridge Pronghorn athletic team. Athletes must be pursuing a University of Lethbridge degree or enrolled in a recognized professional transfer program. Unless otherwise stated, the minimum award GPA required is 2.00. All athletic awards are subject to Canadian Interuniversity Sport (CIS) regulations.

d. Disclaimer

Since the University of Lethbridge Calendar is published a considerable time before the beginning of the academic year, the University reserves the right to make whatever changes circumstances may require, including cancellation of particular awards or changes to the minimum GPA required for awards.

e. Definition of Terms

Note: Award is used generically throughout Part 15 to describe non-repayable financial support.

1. Academic Medals - Academic medals are awarded to students who have demonstrated outstanding academic achievement while attending the University of Lethbridge. Medals are presented at Spring Convocation and all students who have graduated since the previous Spring Convocation are considered for medals. Students receiving academic medals are nominated by their respective Faculties/Schools. (See Medals listed on page 540)

2. Athletic Award - An athletic award is non-repayable financial support provided to a student who is participating on a Pronghorn Athletics team and enrolled in full-time studies. Athletic awards are subject to Canadian Interuniversity Sport regulations.

3. Award - An award is non-repayable financial support provided to a student who demonstrates academic achievement and meets additional defined criteria. These criteria may include participation in extracurricular activities, demonstrated leadership, contribution to the campus community and/or the local community, and financial need.

4. Award Grade Point Average (GPA) - For award purposes, the award GPA is calculated on all University of Lethbridge courses completed in the fall and spring semesters of the previous academic year with the exception of Audit and Credit/Non-Credit course designation.

5. Award Transferable Grade Point Average (GPA) - For award purposes, the award transferable GPA is calculated on all transferable courses that were completed.

6. Bursary - A bursary is non-repayable financial support provided to a student who demonstrates financial need and who is in good standing academically.

7. Course Load Requirements - To be considered eligible for most undergraduate and transfer awards at the University of Lethbridge, candidates must have completed successfully a minimum of 24.0 credit hours in the previous fall and spring semesters.

8. Deferral - A deferral is a postponement of a payment of an award, scholarship or bursary until the student is registered full-time in credit courses at the University of Lethbridge.

9. Fellowship - A fellowship is merit-based, non-repayable financial support provided to a graduate student enrolled in a thesis-based program.

10. Full-Time - An undergraduate student is considered to be in full-time studies when enrolled in a minimum of 9.0 credit hours in a fall or spring semester.

11. High School Applicant Awards - High School Applicant Awards are available for students admitted to the University of Lethbridge on the basis of their high school credentials. Students may complete a maximum of two transferable post-secondary courses and still remain eligible for High School Applicant Awards.

12. Prize - A prize is awarded for outstanding achievement in a course or a set of courses. A prize may be monetary or a gift-in-kind.

13. Scholarship - A scholarship is non-repayable financial support provided to a student primarily on the basis of academic achievement. Additional defined eligibility or criteria may include program, year of program, major, demonstrated leadership or artistic excellence.
14. Service Award - A service award is for students in good academic standing who have demonstrated excellence in a range of non-academic fields, such as community service, student leadership, volunteerism and athletic or artistic performance.

2. ENTRANCE AWARDS

These awards are for students entering the University for the first time and, except for the Transfer Scholarships, for those without previous participation in a post-secondary program.

Application forms are available on the Bridge (www.uleth.ca/bridge), and application must be made no later than March 15 for most High School awards and June 15 for Transfer awards payable in the fall semester. While not all awards require the applicant to apply, application is strongly recommended for students who feel that they may qualify for scholarships. Award applicants must submit a complete Application for Admission to the Registrar’s Office by the application deadline, and ensure that the Registrar’s Office receives all admission documents by the document deadline (please see Part 1 - Admission). Students need not have been accepted for admission to the University prior to applying for Entrance Awards, but students must have applied for admission prior to applying for awards.

For further information regarding policies affecting entrance awards, please refer to Section 1 - Application for Awards (p. 457).

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 11 Merit Award (U of L)</td>
<td>Value: $800 for Grade 11 average of 80 percent and higher; $500 for Grade 11 average of 75 to 79.9 percent Number: As many as qualify</td>
<td>• Must be attending Grade 11 at the time of application</td>
<td>• Academic achievement in Grade 11</td>
<td>• June 30 of the year the applicant is in Grade 11</td>
</tr>
<tr>
<td>Board of Governors’ Admission Scholarship (U of L)</td>
<td>Value: $1,000 for actual admission average of 80 percent and higher Number: As many as qualify</td>
<td>• High school applicants commencing a program of study in the fall semester</td>
<td>• Academic achievement determined by the student's admission average</td>
<td>• No separate scholarship application required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Highest achieving applicants</td>
<td></td>
<td>• Must submit complete Application for Admission to the U of L by December 15</td>
</tr>
<tr>
<td>Board of Governors’ Relocation Scholarship (U of L)</td>
<td>Value: $500 for actual admission average of 80 percent and higher Number: As many as qualify</td>
<td>• High school applicants commencing a program of study in the fall semester</td>
<td>• Academic achievement determined by the student's admission average</td>
<td>• No separate scholarship application required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Students whose high school is beyond a 100 km radius of Lethbridge</td>
<td></td>
<td>• Must submit complete Application for Admission to the U of L by December 15</td>
</tr>
</tbody>
</table>

Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
### Leadership Scholarships

**Note:** Awards in this section require a separate application (located on the Bridge—www.uleth.ca/bridge) which must be submitted by March 15. Unless otherwise stated, these scholarships are payable upon confirmation of full-time enrolment in a study term at the University of Lethbridge in the fall and spring semesters immediately following the granting of the award. Scholarships will be awarded on the basis of the student's admission average. Unless otherwise stated, students must enter the University of Lethbridge without previous participation at another post-secondary institution.

<table>
<thead>
<tr>
<th>Scholarship Name</th>
<th>Value</th>
<th>Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chinook Scholarship (U of L)</strong></td>
<td>Value: $5,000 each</td>
<td>Number: Six</td>
<td>New high school applicants</td>
<td>Superior academic achievement, Leadership qualities</td>
<td>March 15</td>
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<td></td>
<td>Two letters of reference and an essay are required</td>
</tr>
<tr>
<td><strong>CMA Leadership Scholarship (Certified Management Accountants of Alberta)</strong></td>
<td>Value: $2,500 to $5,000 each year for two consecutive years</td>
<td>Number: Three to six</td>
<td>New high school applicants admitted to a B.Mgt., General Management, Finance or Accounting major</td>
<td>Academic achievement, Demonstrated leadership activities, For renewal of the award in the second year, the recipient must have a minimum 3.3 GPA and completed a minimum of 12.0 credit hours at the U of L in each of the previous fall and spring semesters</td>
<td>March 15</td>
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<td></td>
<td>Explanation of why managerial accounting is of interest must be submitted with application</td>
</tr>
<tr>
<td><strong>University of Lethbridge Achievement Scholarship (U of L)</strong></td>
<td>Value: $1,500</td>
<td>Number: Variable</td>
<td>New high school applicants</td>
<td>Superior academic achievement, Participation in extracurricular activities</td>
<td>March 15</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>A letter of reference is required</td>
</tr>
<tr>
<td><strong>Management Student Leaders Scholarship (Faculty of Management)</strong></td>
<td>Value: $1,500</td>
<td>Number: Up to three</td>
<td>New high school applicants, admitted to B.Mgt., who served on their high-school student councils (or equivalent)</td>
<td>Exceptional leadership skills demonstrated through high-school student council involvement, Academic achievement</td>
<td>March 15</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>A letter of reference is required</td>
</tr>
</tbody>
</table>
### Entrance Awards

#### Awards for High School Applicants

Applicants with an admission average between 80 and 100 percent, who have not received another major award, may receive one of the awards listed below. Unless otherwise stated, to be considered for these awards applicants must complete the appropriate High School Awards Application Form which must be submitted by **March 15**. Unless otherwise stated, students must enter the University of Lethbridge without previous participation at another post-secondary institution.

<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance and Continuing Scholarship (U of L)</td>
<td>Value: $6,000 ($1,500 each year for four consecutive years) Number: Up to three</td>
<td>• New high school applicants</td>
<td>• Academic achievement • For renewal of the award in subsequent years, the recipient must have a minimum 3.75 GPA and have completed a minimum of 24.0 credit hours at the U of L during the previous fall/spring semesters</td>
<td>• March 15</td>
</tr>
<tr>
<td>Patrick Forrest Family Foundation Scholarship (Patrick Forrest)</td>
<td>Value: $5,000 minimum</td>
<td>• New high school applicants from Calgary and area commencing any undergraduate program at the U of L main campus (relocating to Lethbridge). Area includes; north to Airdrie, west to Cochrane, south to High River, and east to Strathmore</td>
<td>• Academic achievement • Highest achieving applicant</td>
<td>• No separate scholarship application required • Must submit complete Application for Admission to the U of L by December 15</td>
</tr>
<tr>
<td>RMH Award (Family of Richard Martin Howell)</td>
<td>Value: $3,000 minimum</td>
<td>• New high school applicants who intend to graduate with a B.Mgt. degree</td>
<td>• Academic achievement (minimum admission average of 70 percent) • Financial need</td>
<td>• March 15</td>
</tr>
<tr>
<td>Frank M. and Lila Linn Thompson Scholarship (Estate of Frank M. Thompson)</td>
<td>Value: $3,000 minimum</td>
<td>• Students from high schools within the City of Lethbridge • Must enter University in the same calendar year</td>
<td>• Academic achievement</td>
<td>• Not required</td>
</tr>
<tr>
<td>Alberta Blue Cross 50th Anniversary Entrance Award (Alberta Blue Cross Benefits Corporation Foundation)</td>
<td>Value: $1,250</td>
<td>• Alberta residents</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15</td>
</tr>
<tr>
<td>Alberta Blue Cross 50th Anniversary Relocation Award (Alberta Blue Cross Benefits Corporation Foundation)</td>
<td>Value: $1,250</td>
<td>• Alberta residents • Must have a permanent residence of a distance of at least 100 km away from the City of Lethbridge</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15</td>
</tr>
</tbody>
</table>

Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UoFL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
</table>
| **Alberta Blue Cross 50th Anniversary Computer Science Award**  
(Alberta Blue Cross Benefits Corporation Foundation) | Value: $1,250 | • Alberta residents  
• Must be enrolled in the Bachelor of Science program with a major in Computer Science | • Academic achievement  
• Financial need | • March 15 |
| **Mary Agnes Crow Scholarship**  
(Endowed by the late Mrs. Mary Agnes Crow) | Value: $1,100 minimum | • A graduate from a high school in the Palliser Regional School Division | • Academic achievement | • Not required |
| **Andrea Block Memorial Scholarship**  
(Estate of Dorothy Lundstad)  
• Established through a bequest from Dorothy Lundstad in memory of her mother Andrea Block | Value: $1,000 minimum | • Entering high school applicants who attended high schools situated in the Eastern Irrigation District (Brooks, Bassano, Duchess and Rosemary) | • Academic achievement | • Not required |
| **Early Entrance Scholarship**  
(U of L) | Value: up to $1,000  
Number: Variable | • New high school applicants | • Academic achievement | • March 15 |
| **French Language Entrance Award (DELF-DALF French Language Proficiency Centre)**  
(Department of Modern Languages)  
• Established through the DELF-DALF Centre in the Department of Modern Languages thanks to a grant from COLEP (Canada-Alberta Official Languages Education Protocol) | Value: $1,000  
Number: Two (one for FLA 30 or Français 30 and one for French 30) | • Entering Alberta high school students having a declared major in French or French/ Spanish or French/German | • Academic achievement, particularly in French  
• Candidates will be ranked by French grade and ties will be determined by admission average | • Not required |
| **iGEM Entrance Prize**  
(U of L)  
• Established to encourage iGEM team participants to pursue their interest in science and research at the U of L | Value: $1,000  
Number: Variable | • High school applicants who participated on the U of L High School iGEM team  
• Minimum actual admission average to an undergraduate degree program | • Not required  
• U of L must be the first post-secondary school the recipient attends | |
| **International Students Entrance Scholarship**  
(U of L) | Value: $1,000 minimum  
Number: Variable | • Visa students | • Academic achievement | • Not required |
| **Oliver Collumbell Kelly Memorial Scholarship**  
(Endowed by the late Mrs. Gladis Victoria Kelly) | Value: $1,000 minimum | • Residents from the Town of Claresholm, Alberta or the Claresholm district, who graduated with Honours from Willow Creek Composite High School | • Academic achievement | • March 15 |

Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Lethbridge Chamber of Commerce University of Lethbridge Scholarship (Lethbridge Chamber of Commerce)</td>
<td>Value: $1,000</td>
<td>• Students entering a B.Mgt. program</td>
<td>• Academic achievement • Community involvement</td>
<td>• March 15</td>
</tr>
<tr>
<td></td>
<td>Recipient is invited to the “Business of the Year Awards” in October</td>
<td>• Alberta resident from south of Calgary</td>
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<td>Established to encourage Albertans residing south of Calgary to complete the B.Mgt. program as their next step in their educational path</td>
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<tr>
<td>Christopher Neuman Award (Family and friends of Christopher Neuman)</td>
<td>Value: $1,000 minimum</td>
<td>• Recent graduates of Lethbridge Collegiate Institute</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15</td>
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<tr>
<td>Pereira Entrepreneurship Award (Anil and Sheryl Pereira)</td>
<td>Value: $1,000</td>
<td>• New high school applicants admitted to B.Mgt.</td>
<td>• Academic achievement • Demonstrated entrepreneurial interest</td>
<td>• March 15</td>
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<tr>
<td></td>
<td></td>
<td>• Involvement in entrepreneurial activities (e.g. Junior Achievement, Canadian Youth Business Foundation, Community Futures, 4-H, self-initiated)</td>
<td>•</td>
<td>• 500 word essay on entrepreneurship • A letter of reference • Nominated by the Faculty of Management</td>
</tr>
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<tr>
<td>Victor Shippobotham Memorial Scholarship (Endowed by Irene Shippobotham in memory of her late husband)</td>
<td>Value: $1,000 minimum</td>
<td>• Dependent children of a Firefighter employed with the City of Lethbridge Fire Department</td>
<td>• Academic achievement</td>
<td>• March 15</td>
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<tr>
<td>Lethbridge Jaycees Entrance Award (Lethbridge Jaycees)</td>
<td>Value: $800 minimum</td>
<td>• Students from high schools within the City of Lethbridge</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15</td>
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<tr>
<td></td>
<td></td>
<td>• Must enter University in the same calendar year</td>
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<tr>
<td>Robert H. Parsons Scholarship (Endowed by Mr. R.H. Parsons)</td>
<td>Value: $700 minimum</td>
<td>• New high school applicants</td>
<td>• Academic achievement • Potential for group leadership</td>
<td>• March 15</td>
</tr>
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</tr>
<tr>
<td>Ellison Enterprises Ltd. Scholarship (Ellison Enterprises Limited)</td>
<td>Value: $650 minimum</td>
<td>• Graduates from Raymond High School</td>
<td>• Academic achievement</td>
<td>• Not required</td>
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</tr>
<tr>
<td>Bigelow Fowler Clinic Scholarship (Bigelow Fowler Clinic)</td>
<td>Value: $500</td>
<td>• New high school applicants</td>
<td>• Academic achievement • Intent to pursue a medical career</td>
<td>• March 15</td>
</tr>
</tbody>
</table>

Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Robert M. Cook Scholarship in Fine Arts (U of L)</strong>  • Robert M. Cook was the first Director of the School of Fine Arts, serving from 1984 to 1989</td>
<td>Value: $500 minimum</td>
<td>• Must be enrolled in a program leading to a B.F.A. - Art, Dramatic Arts, or Music Media or B.Mus.</td>
<td>• Academic achievement  • Demonstrated interest in Fine Arts</td>
<td>• March 15  • Music students must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td><strong>Neil and Beverly Holmes Memorial Award</strong>  (Family, friends and colleagues of Dr. Holmes, first Chair of the U of L Board of Governors)</td>
<td>Value: $500</td>
<td>• New high school applicants</td>
<td>• Academic proficiency  • Potential for biological research  • Financial need</td>
<td>• March 15</td>
</tr>
<tr>
<td><strong>Archdeacon Cecil Swanson Award</strong>  (The Parish of St. Augustine)</td>
<td>Value: $500</td>
<td>• Preference to students majoring in English or History</td>
<td>• Academic achievement  • Financial need</td>
<td>• March 15</td>
</tr>
<tr>
<td><strong>The University of Lethbridge Jason Lang Memorial Award</strong>  (Dr. Sydney W. Jackman)  • Jason Lang was a student at W.R. Myers High School in Taber, Alberta until the time of his sudden passing in April 1999</td>
<td>Value: $500 minimum</td>
<td>• Available to graduates of a high school in Taber  • Preference to graduates of W.R. Myers High School</td>
<td>• Academic achievement  • Financial need</td>
<td>• March 15</td>
</tr>
<tr>
<td><strong>IODE Award in Music</strong>  (Municipal Chapter of Lethbridge, I.O.D.E.)</td>
<td>Value: $400 minimum</td>
<td>• New high school applicants</td>
<td>• Demonstrated outstanding promise as a performing musician based upon an initial studio course audition</td>
<td>• March 15  • Must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td><strong>Canada Winter Games Scholarship</strong>  (1975 Canada Winter Games Society)</td>
<td>Value: $300</td>
<td>• Residents of southern Alberta</td>
<td>• High achievement in athletics at the high school level  • Contribution to the community  • Academic achievement</td>
<td>• March 15</td>
</tr>
<tr>
<td><strong>1996 Alberta Winter Games Scholarship - Fine Arts</strong>  (1996 Alberta Winter Games Society)  • This scholarship was made possible through the generous contributions from the Board of Directors of the 1996 Alberta Winter Games</td>
<td>Value: $300 minimum</td>
<td>• Graduates from a City of Lethbridge high school</td>
<td>• Academic achievement  • Demonstrated artistic excellence in the Fine Arts (Art, Drama, and/or Music)</td>
<td>• March 15  • Music students must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td><strong>William Asbury Buchanan Award</strong>  (Endowed by the late Senator William Asbury Buchanan)</td>
<td>Value: $200 minimum</td>
<td>• Students whose residence is either in the Lethbridge Public School District, the Holy Spirit Roman Catholic Separate Regional Division No. 4 or the Palliser Regional School Division</td>
<td>• Academic achievement  • Financial need</td>
<td>• March 15</td>
</tr>
</tbody>
</table>

Unless otherwise stated, awards are tenable upon confirmation of full-time enrollment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
### Entrance Awards

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>c. Transfer Scholarships</strong>&lt;br&gt;Note: Awards in this section require a separate application which must be submitted before <strong>June 15</strong>. Refer also to <strong>Section 3. Entrance, Transfer, or Continuing Awards (p. 467)</strong>.</td>
<td></td>
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</tr>
<tr>
<td><strong>Board of Governors’ Transfer Scholarship</strong>&lt;br&gt;(U of L)</td>
<td>Value: Up to $1,500 Number: As many as qualify</td>
<td>New transfer students</td>
<td>Academic achievement</td>
<td>June 15</td>
</tr>
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<tr>
<td><strong>Post-Diploma Entrance Scholarship</strong>&lt;br&gt;(U of L)</td>
<td>Value: Up to $1,500 Number: As many as qualify</td>
<td>Applicants admitted into a post-diploma program</td>
<td>Academic achievement</td>
<td>June 15</td>
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<tr>
<td><strong>B.N. Collaborative Program Scholarship</strong>&lt;br&gt;(U of L)</td>
<td>Value: Up to $1,500 Number: Variable</td>
<td>Students entering their third year of a collaborative program</td>
<td>Academic achievement</td>
<td>June 15</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>Faculty of Management SAIT Transfer Scholarship</strong>&lt;br&gt;(Faculty of Management)</td>
<td>Value: Up to $1,000</td>
<td>Students transferring from SAIT into a B.Mgt. program</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
<tr>
<td></td>
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<td>Must have a minimum of 24 credit hours transferred into the U of L program</td>
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</tr>
<tr>
<td><strong>Pierzchala Family Bursary in Nursing</strong>&lt;br&gt;(Kathy Pierzchala)</td>
<td>Value: $1,000</td>
<td>Students entering the third year of a B.N. program</td>
<td>Financial need</td>
<td>June 15</td>
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<tr>
<td><strong>Donna Vreeken Memorial Bursary in Nursing</strong>&lt;br&gt;(D. Van Gaalen)</td>
<td>Value: $500</td>
<td>Students entering third year of the B.N. program or fourth year of the B.N. After Degree program</td>
<td>Financial need</td>
<td>June 15</td>
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<tr>
<td><strong>Roloff Beny Foundation Photographic Award in Fine Arts</strong>&lt;br&gt;(Roloff Beny Foundation)</td>
<td>Value: Up to $5,000&lt;br&gt;Number: Minimum of two</td>
<td>Students currently enrolled in any B.F.A. program who demonstrate an interest in photo-arts&lt;br&gt;Students authorized by the Faculty of Fine Arts as visiting or exchange (away) students at another institution</td>
<td>Academic achievement (minimum GPA of 3.00)&lt;br&gt;Excellence in photo art&lt;br&gt;Funds must be used to defray travel, tuition and photography-related costs</td>
<td>November 1&lt;br&gt;Application submitted to Faculty of Fine Arts includes a portfolio of work, 500 word essay, projected budget and curriculum vitae&lt;br&gt;Selection by a committee</td>
</tr>
<tr>
<td><strong>Ben Heppner Music Performance Award</strong>&lt;br&gt;(Multiple supporters of the U of L Department of Music)</td>
<td>Value: Up to $5,000</td>
<td>Entering or continuing students in a degree program in the Department of Music and registered in music studio studies in the year they receive the award. Preference given to vocal performance students</td>
<td>Academic achievement (GPA) and demonstrated ability and potential in music performance</td>
<td>Not required&lt;br&gt;Selection by Department of Music</td>
</tr>
<tr>
<td><strong>Lethbridge Symphony Orchestra Strings Award</strong>&lt;br&gt;(Lethbridge Symphony Orchestra)</td>
<td>Value: $1,000 to $3,000&lt;br&gt;Number: Up to six</td>
<td>New students admitted to a B.Mus. program with the instrument of violin, viola, cello or bass&lt;br&gt;Successful audition for the Lethbridge Symphony</td>
<td>Artistic excellence as demonstrated at the audition&lt;br&gt;Preference given to minimum admission GPA of 3.00 for Transfer and 70 percent for High School entrance</td>
<td>Not required&lt;br&gt;Nominated by the Music Department Scholarship Committee</td>
</tr>
<tr>
<td><strong>Alberta Health Services Addictions Counselling Bursary</strong>&lt;br&gt;(Alberta Health Services, Alberta Alcohol and Drug Abuse Commission)</td>
<td>Value: $2,500 (disbursed $1,500 the first year and $1,000 the second year)&lt;br&gt;Number: Four</td>
<td>Entering the B.H.Sc. Addictions Counselling degree program (40 course and post-diploma direct entry or extended program)</td>
<td>Financial need&lt;br&gt;Three awards to students of First Nations, Métis, or Inuit ancestry&lt;br&gt;An award to a student who has returned to studies after not attending secondary or post-secondary school for a period of one year or more</td>
<td>March 15 (high school applicants)&lt;br&gt;June 15 (transfer students)</td>
</tr>
<tr>
<td><strong>Alan and Grace Hamilton Scholarship</strong>&lt;br&gt;(Mrs. Maxine Stephens)</td>
<td>Value: $2,500</td>
<td>New or continuing students majoring in Agricultural Biotechnology or Agricultural Studies&lt;br&gt;Canadian Citizen&lt;br&gt;Raised on an independent family farm/ranch located in southern Alberta (south of High River)</td>
<td>Academic achievement</td>
<td>March 15 (high school applicants)&lt;br&gt;May 1 (continuing students)&lt;br&gt;June 15 (transfer students)</td>
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<tr>
<td>William S. and Helen Kizema Memorial Scholarship (Endowed by the Kizema Family)</td>
<td>Value: $2,000 minimum</td>
<td>New high school or new transfer students</td>
<td>Academic achievement</td>
<td>Not required for high school applicants</td>
</tr>
<tr>
<td>Alex and Norrie Mac Millan Agricultural Scholarship (Rosemarie Castelli)</td>
<td>Value: $2,000 minimum</td>
<td>New or continuing students majoring in Agricultural Studies or Agricultural Biotechnology</td>
<td>Academic achievement</td>
<td>March 15 (high school applicants)</td>
</tr>
<tr>
<td>Alberta Blue Cross 50th Anniversary Health Sciences Award (Alberta Blue Cross Benefits Corporation Foundation)</td>
<td>Value: $1,250</td>
<td>Alberta residents Must be enrolled in the B.H.Sc. - Addictions Counselling program First preference to new high school students, second preference to new transfer students</td>
<td>Academic achievement</td>
<td>March 15 (high school applicants)</td>
</tr>
<tr>
<td>Alberta Blue Cross 50th Anniversary Award for Students With Special Needs (Alberta Blue Cross Benefits Corporation Foundation)</td>
<td>Value: $1,250</td>
<td>Alberta residents with special needs First preference to new students, second preference to continuing students</td>
<td>Academic achievement</td>
<td>March 15 (high school applicants)</td>
</tr>
<tr>
<td>Bruce and Mary Milliken Music Scholarship (Bruce and Mary Milliken)</td>
<td>Value: $1,125 Number: Four (one each for entry into first, second, third and fourth year of program)</td>
<td>New or continuing students enrolled in a B.Mus. program focusing on voice Preference to bass, baritones, and tenors</td>
<td>Academic achievement</td>
<td>Demonstrated exceptional aptitude in the applied Music area of voice</td>
</tr>
<tr>
<td>Alberta Wheat Commission Agronomy Scholarship (Alberta Wheat Commission)</td>
<td>Value: $1,000 minimum</td>
<td>Entering students in any undergraduate degree program Interested in pursuing a career in the field of agriculture, agronomy or plant genetics</td>
<td>Academic achievement</td>
<td>Demonstrated leadership through extracurricular involvement</td>
</tr>
<tr>
<td>Atkin Memorial Scholarship Order of the Eastern Star (Grand Chapter of Alberta, Order of the Eastern Star from the Atkin family)</td>
<td>Value: $1,000 minimum</td>
<td>At least 10 courses (30.0 credit hours) Alberta residents Must be members in good standing of the Alberta Order of the Eastern Star or the spouses, children or direct grandchildren of members in good standing</td>
<td>Academic achievement</td>
<td>May 1 (continuing students)</td>
</tr>
</tbody>
</table>
### Entrance, Transfer, or Continuing Awards

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<thead>
<tr>
<th>TITLE AND DONOR</th>
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<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ronald B. Coleman Scholarship in Palliative Care</td>
<td>Value: $1,000 minimum</td>
<td>• Third- or fourth-year students in the B.N. program with a clinical practice focus in palliative care</td>
<td>• Have worked for or intend to work in end-of-life care</td>
<td>• May 1 (continuing students)</td>
</tr>
<tr>
<td>(Ronald B. Coleman)</td>
<td></td>
<td></td>
<td>• Academic achievement</td>
<td>June 15 (transfer students)</td>
</tr>
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<td></td>
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<td>Nominated by Faculty of Health Sciences</td>
</tr>
<tr>
<td>Country 95.5 FM (CHLB) Music Scholarship</td>
<td>Value: $1,000 minimum</td>
<td>• Full-time continuing or transfer students who have completed at least 24.0 credit hours toward a B.Mus. or B.Mus./B.Ed. degree and who will be enrolled in one of Music 3348, Music 3448, Music 3548, or Music 3648</td>
<td>• Demonstrated exceptional aptitude in an applied music area or in composition as determined by audition or portfolio</td>
<td>• May 1 (continuing students)</td>
</tr>
<tr>
<td>(Country 95.5 FM Radio)</td>
<td></td>
<td></td>
<td></td>
<td>June 15 (transfer students)</td>
</tr>
<tr>
<td>• CHLB 95.5 is a strong community supporter and encourages the development of local musicians</td>
<td></td>
<td></td>
<td></td>
<td>New students must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td>Digital Audio Arts Entrance Award</td>
<td>Value: $500 - $1,000 minimum</td>
<td>• New high school or transfer students enrolled in the B.Mus. with a major in Digital Audio Arts</td>
<td>• Academic achievement • Demonstrated artistic excellence</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Faculty of Fine Arts)</td>
<td>Number: Variable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph Dorner Memorial Award</td>
<td>Value: $1,000 minimum</td>
<td>• New or continuing students who have a permanent home address in, or whose parents reside in, the municipal district in which Granum is located</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15 (high school applicants)</td>
</tr>
<tr>
<td>(The Estate of Leopoldine Rosalie Dorner)</td>
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<td></td>
<td></td>
<td>May 1 (continuing students)</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>June 15 (transfer students)</td>
</tr>
<tr>
<td>George Evelyn Award for Excellence in Choral Music</td>
<td>Value: $1,000 minimum</td>
<td>• Entering or continuing students with a minimum 60 percent course load in any undergraduate degree program • Membership in the University of Lethbridge Singers</td>
<td>• Entering high school admission average of 65 percent • Entering transfer and continuing students minimum 2.75 cumulative GPA</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Friends and colleagues of George Evelyn)</td>
<td></td>
<td></td>
<td></td>
<td>May receive this award more than once</td>
</tr>
<tr>
<td>• Established upon the retirement of George Evelyn, a long time U of L faculty member, to honour the creativity he brought to the community during his career</td>
<td></td>
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</tr>
<tr>
<td>Faculty of Health Sciences Entrance and Relocation Scholarship</td>
<td>Value: $1,000 entrance; $500 relocation; $500 continuing second-year Public Health majors</td>
<td>• All new applicants entering a B.N. or B.H.Sc. program • Applicants relocating from outside a 100 km radius of Lethbridge</td>
<td>• B.H.Sc.: a minimum actual admission average of 80 percent or 3.50 GPA • B.N.: A minimum actual (Nursing) score average of 85 percent or 3.75 GPA</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Faculty of Health Sciences)</td>
<td>Number: Variable</td>
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## Entrance, Transfer, or Continuing Awards

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<tbody>
<tr>
<td>Galt School of Nursing Alumnae Scholarship (Galt School of Nursing Alumnae)</td>
<td>Value: $1,000 minimum</td>
<td>• Students entering or continuing B.N. &amp; B.N. After Degree program on the U of L campus (third or fourth year)</td>
<td>• Academic achievement&lt;br&gt;• Preference may be given to descendants of the Galt School of Nursing Alumnae</td>
<td>May 1 (continuing students)&lt;br&gt;June 15 (transfer students)</td>
</tr>
<tr>
<td>International Entrance and Continuing Award (U of L)</td>
<td>Value: $1,000&lt;br&gt;Number: 70 Entrance 30 Continuing</td>
<td>• Visa students entering or continuing any degree programs</td>
<td>• Academic achievement&lt;br&gt;• For entering students minimum transfer GPA will be no less than 3.0 on a minimum 24 credit hours transferred and minimum high school admission average will be no less than 70%. Recipients will always be selected by highest to lowest transfer GPA or admission average&lt;br&gt;• Continuing students minimum GPA of 3.00 and 60 percent course load</td>
<td>Not required&lt;br&gt;May receive Continuing award only once</td>
</tr>
<tr>
<td>International Relocation Award (International Centre for Students)</td>
<td>Value: up to $2,000&lt;br&gt;Number: Variable</td>
<td>• Visa students entering any undergraduate degree program or English for Academic Purposes&lt;br&gt;• Must be relocating to study in-person at any UofL campus</td>
<td>• Visa students who are attending as a result of a University of Lethbridge initiative (overseas recruitment event or partnership with a foreign government)&lt;br&gt;• Must meet admission requirements for an undergraduate degree program (but missing the English Language Proficiency score for those entering EAP)</td>
<td>Not required&lt;br&gt;May receive this award once</td>
</tr>
<tr>
<td>Kainai Chieftainship Bursary (Kainai Chieftainship)</td>
<td>Value: $1,000&lt;br&gt;Number: One</td>
<td>• Entering or continuing students in any undergraduate degree program&lt;br&gt;• Registered members of the Blood Tribe</td>
<td>• Financial need&lt;br&gt;• Preference to a student who is not receiving financial support from the Blood Tribe</td>
<td>March 15 (high school applicants)&lt;br&gt;May 1 (continuing students)&lt;br&gt;June 15 (transfer students)</td>
</tr>
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<tr>
<td>Vondis Miller Scholarship in Fine Art (U of L)</td>
<td>Value: $1,000  Number: Four (one each for Art, Dramatic Arts, New Media, and Music)</td>
<td>New high school or transfer students enrolled in a program leading to a B.F.A. - Art, Dramatic Arts, or New Media or B.Mus.</td>
<td>Academic achievement  Demonstrated artistic excellence</td>
<td>Must submit an Application for Admission to the U of L by June 1  As per standard admission procedures, post-diploma applicants will be required to submit a portfolio  Music students must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td>Louise Needham Scholarship (Friends of Louise Needham)</td>
<td>Value: $1,000 minimum</td>
<td>New students commencing a degree program with a major in Music</td>
<td>Academic achievement  Demonstrated artistic excellence</td>
<td>March 15 (high school applicants)  June 15 (transfer students)  Must arrange an audition with the Faculty of Fine Arts</td>
</tr>
<tr>
<td>Bernice and Dale Neuman Award (Friends of Wood's Homes)</td>
<td>Value: $1,000</td>
<td>Entering or continuing students who have been beneficiaries of Wood's Homes services and/or are enrolled in a major or program that is relevant to the mission of Wood's Homes – Addictions Counselling, Nursing, Psychology or Education</td>
<td>Academic achievement  Preference to past recipients of Wood's Homes programs and services</td>
<td>March 15 (high school applicants)  May 1 (continuing students)  June 15 (transfer students)</td>
</tr>
<tr>
<td>Royal Canadian Legion Alberta-N.W.T. Command Bursary (The Royal Canadian Legion Alberta-N.W.T. Command)</td>
<td>Value: $1,000</td>
<td>Entering or continuing students in any undergraduate degree program  Serving or have honourably served in the Canadian Forces and their dependants (includes children, grandchildren and great-grandchildren)</td>
<td>Financial need</td>
<td>March 15 (high school applicants)  May 1 (continuing students)  June 15 (transfer students)</td>
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### Joyce and Ron Sakamoto Digital Audio Arts Entrance Award
(Joyce and Ron Sakamoto)
- Successful music business professionals and long-time supporters of the Department of Music at the U of L, the Sakamoto's have established this award to encourage gifted music students to pursue careers in the digital audio arts

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<tr>
<td>Joyce and Ron Sakamoto Digital Audio Arts Entrance Award</td>
<td>Value: Up to $1,000</td>
<td>Full-time students entering the B.Mus. program with a major in Digital Audio Arts</td>
<td>Demonstrated proficiency in Digital Audio Arts measured by academic achievement, exemplary creative work, overall ability and/or potential</td>
<td>Not required; Nomination by Department of Music</td>
</tr>
</tbody>
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### Simpson-Markininch Award
(Lloyd and Robert Simpson)
- The Simpson Markinch Ranch has been in operation in southern Alberta since 1913. Lloyd and Robert were not able to get more than a high school education but understand the importance of higher education

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<tr>
<td>Simpson-Markininch Award (Lloyd and Robert Simpson)</td>
<td>Value: $1,000</td>
<td>Entering or continuing students in any degree program</td>
<td>Academic achievement (minimum GPA of 3.00 for continuing/transfer or 70 percent admission average for high school admits)</td>
<td>March 15 (high school applicants); May 1 (continuing students); June 15 (transfer students)</td>
</tr>
</tbody>
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### Supporting Our Students Bursary
(The University community)
- Generous contributions from the University community, including faculty, staff, retires, Board of Governors, Senate members, alumni, and other friends of the U of L, established this award to support U of L students

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<tr>
<td>Supporting Our Students Bursary (The University community)</td>
<td>Value: $1,000</td>
<td>Full or part-time students entering or continuing any U of L degree program</td>
<td>Financial need</td>
<td>March 15 (high school applicants); May 1 (continuing students); June 15 (transfer students)</td>
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### Supporting Our Students Scholarship
(The University community)
- Generous contributions from the University community, including faculty, staff, retirees, Board of Governors, Senate members, alumni, and other friends of the U of L, established this award to support U of L students and recognize academic achievement

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<td>Value: $1,000</td>
<td>Full or part-time students entering or continuing any U of L degree program</td>
<td>Academic achievement</td>
<td>March 15 (high school applicants); May 1 (continuing students); June 15 (transfer students)</td>
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### George Douglas Thompson Memorial Bursary
(Constance and John Sheriff)
- This award honours the memory of Doug Thompson who dedicated his life to teaching

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<tr>
<td>George Douglas Thompson Memorial Bursary (Constance and John Sheriff)</td>
<td>Value: $1,000</td>
<td>Entering or continuing undergraduate students in any degree program</td>
<td>Financial need</td>
<td>March 15 (high school applicants); May 1 (continuing students); June 15 (transfer students)</td>
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| Title and Donor | Value and Number | Eligibility | Criteria | Application
|-----------------|------------------|-------------|----------|-------------------|
| **Gerald Trechka Memorial Scholarship**  
(Endowed by the family and friends of the late Gerald Trechka) | Value: $1,000 minimum  
Number: Two | New or continuing students  
• Academic achievement  
• Preference will be given to students with a physical disability | March 15 (high school applicants)  
May 1 (continuing students)  
June 15 (transfer students)  
Documentation required or registration with Accommodated Learning Centre | |
| **University of Lethbridge Alumni Association - Calgary Chapter Entrance Award**  
(U of L Alumni Association - Calgary Chapter) | Value: $1,000 minimum  
Number: Two | Full or part-time students entering an undergraduate degree program and attending classes at the Calgary campus  
• Academic achievement  
• Preference given to financial need | March 15 (high school applicants)  
June 15 (transfer students) | |
| **Czechoslovak Canadian Cultural Society Scholarship**  
(Czechoslovak Canadian Cultural Society) | Value: $900 minimum | New high school or new transfer students  
• Preference to descendants of members of the Czechoslovak Canadian Cultural Society  
• Demonstrated interest in Czechoslovak culture and history | March 15 (high school applicants)  
June 15 (transfer students) | |
| **Jan Tait Memorial Award**  
(Tait Family)  
• Jan and Logan Tait were the first chairs of the Festival of Art and Song at the U of L | Value: $900 minimum | New or continuing students in any degree program  
• Member of the U of L Singers  
• Successful audition  
• Minimum GPA of 2.50 for continuing/transfer students or 65 percent admission average for high school admits | Not required | |
| **ATCO Gas Award in Management**  
(ATCO Gas) | Value: $875 | New or continuing B.Mgt. students | May 1 (continuing students)  
June 15 (transfer students) | |
| **ATCO Gas Management Award for Treaty Seven First Nations**  
(ATCO Gas) | Value: $875 | New or continuing B.Mgt. students from the Blackfoot Confederacy: Siksika, Piikani (Peigan) and Kainaiwa (Blood), Tsuu T'ina (Sarcee), the Stoney (Bearsaw, Chiniki, and Wesley/Goodstone) | March 15 (high school applicants)  
May 1 (continuing students)  
June 15 (transfer students) | |

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## Entrance, Transfer, or Continuing Awards

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<tbody>
<tr>
<td>The Honourable Raymond A. Speaker P.C. (Little Bow Constituency) Award (Raymond and Ingrid Speaker)</td>
<td>Value: $700 minimum</td>
<td>• Transfer or continuing students • Permanent home address in, or parents residing in the Little Bow Constituency (as defined by the 1989 boundaries) • A minimum of 19 semester courses • Preference to continuing students</td>
<td>• Academic achievement • Financial need</td>
<td>• May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
<tr>
<td>Alberta Union of Provincial Employees Award (Endowed by The Alberta Union of Provincial Employees)</td>
<td>Value: $500 minimum</td>
<td>• New or continuing students • Available to members in good standing (must have at least two years consecutive service) of the Alberta Union of Provincial Employees or a dependant (dependant must be under age of 25) of such member</td>
<td>• Academic achievement • Financial need • Minimum requirements will be admission to University for high school applicants and a minimum GPA of 2.50 for transfer or continuing applicants</td>
<td>• March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
<tr>
<td>Bud and Roberta Bibby Memorial Award (Dr. Reginald Bibby)</td>
<td>Value: $500</td>
<td>• Entering or continuing students in any degree program</td>
<td>• Financial need • Academic achievement (minimum GPA of 3.00 for continuing/transfer or 70 percent admission average for high school admits)</td>
<td>• March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
<tr>
<td>Cardtronics Canada Entrance Award (Cardtronics Canada)</td>
<td>Value: $500</td>
<td>• New students entering any undergraduate degree program</td>
<td>• Academic achievement • Financial need</td>
<td>• March 15 (high school applicants) • June 15 (transfer students)</td>
</tr>
<tr>
<td>English for Academic Purposes Completion Award (EAP Program, International Centre for Students)</td>
<td>Value: $500</td>
<td>• Students completing the EAP program and entering into a full-time undergraduate degree program at the U of L</td>
<td>• Academic achievement measured by overall grades in each component of the final semester of the EAP program (grammar, communication, reading and writing)</td>
<td>• Not required, nominated by EAP program staff • May receive award once</td>
</tr>
<tr>
<td>Fannie Marquardson Scholarship (Mrs. B. Glass, in loving memory of her mother) • Dedicated to the memory of Mrs. Fannie Marquardson, an Alberta pioneer</td>
<td>Value: $500 minimum</td>
<td>• Entering or continuing students in any degree program</td>
<td>• Academic achievement • Demonstrated interest in Home Economics</td>
<td>• March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
<tr>
<td>Scott Alexander Marshalsay Memorial Bursary (Barbara Marshalsay and friends)</td>
<td>Value: $500</td>
<td>• Entering an undergraduate degree program with a major in Environmental Science</td>
<td>• Financial need</td>
<td>• March 15 (high school applicants) • June 15 (transfer students)</td>
</tr>
</tbody>
</table>

Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
</table>
| **Christine Miller Memorial Award**  
(Christine Miller)  
• Award was established from the proceeds of the book “Women of the First Nations: Power, Wisdom and Strength,” authored by the donors | Value: $500 minimum | • Single parent of First Nations, Métis, or Inuit heritage enrolled in any degree program  
• New or continuing students  
• Minimum 60 percent course load | • Academic achievement  
• Financial need | • March 15 (high school applicants)  
• May 1 (continuing students)  
• June 15 (transfer students) |
| **Bob, Carolyn, and Jeff Neilson Memorial Bursary in Nursing**  
(Tracy and Rod Oosterbroek)  
• Established in memory of Tracy Oosterbroek’s parents, Bob and Carolyn Neilson | Value: $500 | • Entering first year at the U of L or continuing B.N. students in third or fourth year of study | • Financial need | • May 1 (continuing students)  
• June 15 (transfer students) |
| **Linda Nicol Entrance Award in Fine Arts**  
(Faculty of Fine Arts)  
• Linda Nicol joined the Faculty of Management in 1984, moving to what was then the School of Fine Arts in 1986. She held several positions within the Faculty all working with students and ended her career as the Assistant Dean, Student Program Services | Value: $500 - $1,000  
Number: Variable | • Students entering a B.FA. or B.Mus. program or a program with a declared major in Art, Dramatic Arts, Music, or New Media | • Academic achievement  
• Demonstrated artistic excellence | • Must submit an Application for Admission to the U of L by June 1  
• As per standard admission procedures, post-diploma applicants will be required to submit a portfolio/audition  
• Music students must arrange an audition with the Faculty of Fine Arts |
| **Nugent Family Award**  
(Kevin and Kathy Nugent)  
• Established by Kevin and Kathy Nugent and their family in order to support aboriginal students in achieving their educational goals | Value: $500 minimum | • New or continuing students of First Nations, Métis, or Inuit descent  
• Preference given to students in a B.Mgt. program | • Academic achievement (minimum GPA of 3.00 for continuing/transfer or 70 percent admission average for high school admits, minimum 60 percent course load)  
• Financial need | • March 15 (high school applicants)  
• May 1 (continuing students)  
• June 15 (transfer students) |
| **Scholarship for Students with Disabilities**  
(U of L) | Value: $500 | • New or continuing students who have documented disabilities (learning or physical) | • Academic achievement | • March 15 (high school applicants)  
• May 1 (continuing students)  
• June 15 (transfer students)  
• Documentation required or registration with Accommodated Learning Centre |
**Entrance, Transfer, or Continuing Awards**

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Ches Skinner Early Entrance Award in Fine Arts</td>
<td>Value: $500 - $1,000 Number: Variable</td>
<td>New high school or transfer students enrolled in a program leading to a B.F.A. - Art, Dramatic Arts, or New Media, B.Mus., B.F.A. - Art, Dramatic Arts or Music/B.Ed. or B.Mus./B.Ed.</td>
<td>Academic achievement • Demonstrated artistic excellence • High school applicants must have a predicted or actual average of 80 percent in one of Art 30, Drama 30, Choral Music, Instrumental, or General Music 30, or equivalent</td>
<td>No separate scholarship application required • Must submit an Application for Admission by March 1</td>
</tr>
<tr>
<td>Adrian Van Gaalen Memorial Bursary in Agriculture</td>
<td>Value: $500</td>
<td>Third-year students majoring in Agricultural Studies or Agricultural Biotechnology • Continuing or first year of the post-diploma program</td>
<td>Financial need</td>
<td>May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
<tr>
<td>Ryan Imbach Memorial Award for the Hearing Impaired</td>
<td>Value: $300 minimum</td>
<td>New or continuing hearing impaired students</td>
<td>Academic achievement • Financial need</td>
<td>March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • Documentation required or registration with Accommodated Learning Centre</td>
</tr>
<tr>
<td>Lethbridge District Scouts Award</td>
<td>Value: Up to $200</td>
<td>Must have actively participated in the Scouts Canada program in the Lethbridge District for at least three years • The Lethbridge District is bounded by and includes Lethbridge, Coaldale, Coalhurst, and Picture Butte</td>
<td>Academic achievement • Financial need</td>
<td>March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • Submit letter from Scout Troop Leader</td>
</tr>
<tr>
<td>Meliorist Award for Single Parents</td>
<td>Value: $150 minimum</td>
<td>A single parent</td>
<td>Academic achievement • Financial need</td>
<td>March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students)</td>
</tr>
</tbody>
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Unless otherwise stated, awards are tenable upon confirmation of full-time enrolment in a study term at the UofL in the Fall semester or the Fall and Spring semesters immediately following the granting of the award.
4. **UNDERGRADUATE AWARDS**

Unless otherwise stated, the criterion for these awards is **academic achievement**. In the case of scholarships and awards for which the main criterion is academic achievement, unless otherwise stated, consideration is given only to candidates who have **successfully completed a minimum of 24.0 credit hours in the last two semesters while attending full-time studies at the University of Lethbridge.**

The year of standing through previous successful completion of a specified number of courses is: 1-9 courses the first year, 10-19 courses the second year, 20-29 courses the third year and more than 30 courses the fourth year. Year of standing refers to the number of courses (credit hours) the student has completed by April 30.

**Unless otherwise stated, application must be made by May 1 and awards are tenable upon confirmation of full-time enrolment at the University of Lethbridge, after commencement of classes in the fall semester or the fall and spring semesters immediately following the granting of the award.**

For further information regarding policies affecting undergraduate awards, please refer to Section 1 - Application for Awards (p. 457).

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<tr>
<td><strong>a. General</strong></td>
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</tbody>
</table>
| Zella Dague Forsyth Memorial Award  
(Dr. Howard Forsyth) | Value: $5,000 or two at $2,500 minimum  
• Zella Dague Forsyth was a highest honour graduate of the University of Texas and M.S graduate of Iowa State University. She was an inspiring professor of home management at four universities and a fabulous mother of five very fine children | • Continuing students admitted to any program  
• Must be a registered member of the Blood or Peigan Nation  
• Academic achievement  
• Financial need  
• A one-page essay relating the obstacles overcome in life | May 1 |
| George Ellis Research Scholarship  
(Endowed by the late George Ellis) | Value: $3,000 (maximum fund - the Selection Committee will decide the value of each scholarship)  
N umber: Up to three | • Must have completed a minimum of 19 semester courses in a degree program at the time the research is undertaken  
• An evaluation of the student’s academic record, project proposal and letters of recommendation | January 31  
• Must be supported by a letter of recommendation from the appropriate Department or the Faculty member responsible for the project |
| Métis Scholar Award  
(Métis Education Foundation and U of L)  
• Established to help alleviate financial need and to encourage post-secondary achievement on the part of Métis students studying at the U of L | Value: $2,500 minimum  
• Full-time in any undergraduate degree program (minimum 9 credits per term)  
• Canadian citizen  
• Métis heritage  
• Demonstrated financial need  
• Minimum GPA of 2.30 in the immediate previous semester at U of L | October 31  
• Statement of experience with the Métis community  
• Cannot be receiving funding from Rupertsland Institute – Métis Training to Employment Services |
| E.C. Manning Scholarship  
(N ational Citizen’s Coalition) | Value: $2,000 minimum  
• Second-, third-, or fourth-year students  
• Must be an Alberta resident  
• Demonstrated high level of academic achievement  
• Public service and community leadership | May 1 |
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<tr>
<td>Chancellor's Scholarship (U of L)</td>
<td>Value: Up to $1,500</td>
<td>• Must have completed a minimum of 29 semester courses and have taken all degree courses at the U of L</td>
<td>• Academic achievement • Must be enrolled full-time in the final year of the degree program</td>
<td>• May 1</td>
</tr>
<tr>
<td>The President’s Scholarship (UofL)</td>
<td>Value: Up to $1,500 Number: Up to 10</td>
<td>• Continuing students</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>University of Lethbridge Scholarship (U of L)</td>
<td>Value: Up to $1,500 Number: Variable</td>
<td>• Continuing students</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>University of Lethbridge Scholarship, Spring Entrance (U of L)</td>
<td>Value: Up to $1,500 Number: Up to 20</td>
<td>• Must have entered the U of L for the first time in the preceding January • Must have successfully completed at least 12 credits during the spring semester</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Sven Ericksen Citizenship Scholarship (Endowed by family and friends of the late Sven Ericksen)</td>
<td>Value: $1,500 minimum</td>
<td>• A minimum of 19 semester courses • Must be enrolled in studies of or related to Canadian citizenship</td>
<td>• Academic achievement • Preference to those enrolled in courses with a strong Canadian emphasis</td>
<td>• May 1</td>
</tr>
<tr>
<td>John Gill Memorial Award (Friends and family of John Gill)</td>
<td>Value: $1,500 minimum</td>
<td>• Third- or fourth-year students enrolled in any undergraduate degree program</td>
<td>• Academic achievement (minimum GPA of 3.00) • Demonstrated leadership and involvement within the U of L community</td>
<td>• Separate application required by November 1</td>
</tr>
<tr>
<td>Senate Award (U of L Senate members, past and present)</td>
<td>Value: $1,500 minimum</td>
<td>• Continuing students enrolled in any undergraduate degree program</td>
<td>• Academic achievement • Demonstrated volunteer work through community involvement • Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td>TD Bank Financial Group Bursary (TD Bank Financial Group)</td>
<td>Value: $1,500 minimum</td>
<td>• Full-time or part-time students in any degree program • Canadian or Permanent Resident</td>
<td>• Financial need</td>
<td>• May 1</td>
</tr>
</tbody>
</table>

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</table>
| Louis Sherman Turcotte Memorial Travel Award (Endowed by the late Louis Sherman Turcotte) | Value: A maximum of $1,500 each | • Open only to Canadian citizens and Permanent Residents  
• Must have a minimum 2.50 cumulative GPA, have completed a minimum of 24.0 credit hours at the U of L prior to departure, and have been enrolled in full-time studies at the U of L the two semesters prior to the application deadline | • Preference given to travel abroad  
• Must demonstrate a reasonable academic background and accomplishment and indicate the benefits to be gained by the program | • November 1 for travel during the following spring  
• March 1 for travel during the following summer  
• July 1 for travel during the following fall |
| Paul Bath Memorial Travel Award (Endowed by family and friends of Paul Bath) | Value: Variable | • Canadian citizens or Permanent Residents  
• Odd numbered years - Hokkai-Gakuen Exchange students  
• Even numbered years - self-initiated study experiences | • Academic achievement  
• Financial need  
• Commitment to furthering an understanding of Japanese and Canadian cultures | • March 15  
• Two letters of reference |
| Province of Alberta International Travel Award (Province of Alberta Escheated Estates) | Value: Actual direct travel costs up to a maximum of $750 per student  
Number: Variable  
Not to be used for graduate students conference travel | • Undergraduate and graduate students travelling internationally in an academic sponsored study program/tour  
• Full-time students attending any program of study in the semester immediately preceding the period of the study program/tour | • Academic achievement (minimum 2.00 GPA) and good financial standing prior to departure for the study program/tour | • November 1 for the following spring semester  
• March 1 for the following summer Sessions  
• July 1 for the following fall semester  
• Must apply in the semester prior to departure  
• May receive assistance from this award once per academic year |
| University of Lethbridge Striking Prose Prize (Terry W hitehead) | Value: $1,500 for first prize; $750 for second prize; $250 for third prize  
Number: Three | • Undergraduate students in good standing at the time of submission of entry | • Best submissions as selected by judges | • Contact Department of English for details |
| University of Lethbridge Play Right Prize (Terry W hitehead) | Value: $1,500 for first prize; $750 for second prize; $250 for third prize  
Number: Three | • Undergraduate students in good standing at the time of submission of entry | • Best submissions as selected by judges | • Contact Faculty of Fine Arts for details |

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<tbody>
<tr>
<td><strong>Risk and Safety Award for Student Involvement</strong> (Anne Baxter and various donors)</td>
<td>Value: $1,200</td>
<td>Continuing students in any program who have consulted with Risk and Safety Services for campus activities.</td>
<td>Exemplary compliance with regulatory and University safety and risk management policies, Ability to manage, mitigate or eliminate risk, Academic achievement (minimum GPA of 3.00).</td>
<td>Not required, Nomination by U of L Risk Committee.</td>
</tr>
<tr>
<td><strong>Myrtle Ruth Bodie Mathematics Scholarship</strong> (Estate of Myrtle Ruth Bodie)</td>
<td>Value: $1,000</td>
<td>Continuing full-time students in a B.Sc. or M.Sc., Mathematics major.</td>
<td>Academic achievement; on Dean's Honour List for B.Sc. and Admission GPA/completed graduate courses for M.Sc. Written composition will also be considered in selection.</td>
<td>February 1, Application submitted to Department of Mathematics, Selection by committee.</td>
</tr>
<tr>
<td><strong>Bill and Elsa Cade Student of the Year Award</strong> (Proceeds from the Michael Nolan Car Raffle and the U of L)</td>
<td>Value: $1,000 minimum</td>
<td>Full-time students continuing in any undergraduate degree program.</td>
<td>Exceptional leadership skills as demonstrated through community and campus involvement, Academic achievement (minimum GPA of 3.00).</td>
<td>Separate application required by November 1, Letter of reference and an essay on the importance of community service/leadership.</td>
</tr>
<tr>
<td><strong>Canadian Federation of University Women (Lethbridge) Scholarship</strong> (Canadian Federation of University Women, Lethbridge)</td>
<td>Value: $1,000 minimum</td>
<td>Students who have returned to university after an absence of three years or more or single parents enrolled in any degree program.</td>
<td>Academic achievement (minimum GPA of 3.00).</td>
<td>May 1.</td>
</tr>
<tr>
<td><strong>Michael Chan Prize in Asian Studies</strong> (Friends and family of Michael Chan)</td>
<td>Value: $1,000</td>
<td>Continuing or graduating full-time undergraduate students in any degree program with an interest in Asia-focused or Asia-related scholarship, research and projects.</td>
<td>Outstanding achievement in a course project or paper on an Asian topic, Preference to projects that enhance Canada-Asia understanding and humanitarian cooperation.</td>
<td>August 20, Submission of paper or project report to the Coordinator of Asian Studies.</td>
</tr>
</tbody>
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<tr>
<td><strong>Campus Sustainability Recycling Award</strong></td>
<td>Value: $1,000</td>
<td>• Continuing students in any undergraduate degree program</td>
<td>• Community involvement</td>
<td>May 1</td>
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<tr>
<td><em>(U of L Campus community)</em></td>
<td></td>
<td>• This award is funded from deposits on returnable beverage containers collected around the U of L campus. Project initiated by the Campus Sustainability Committee</td>
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</tr>
<tr>
<td><strong>Dorner Award</strong></td>
<td>Value: $1,000 minimum</td>
<td>• A minimum of 19 semester courses • Must be Alberta residents</td>
<td>• Academic achievement • Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td><em>(The Estate of Leopoldine Rosalie Dorner)</em></td>
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<tr>
<td><strong>EBH Award</strong></td>
<td>Value: Up to $1,000</td>
<td>• Students who have completed at least 19 semester courses</td>
<td>• Academic achievement • Financial need • Must have demonstrated University and/or community involvement</td>
<td>May 1</td>
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<tr>
<td><em>(EBH)</em></td>
<td></td>
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<tr>
<td><strong>Executive Women International (Lethbridge) Award</strong></td>
<td>Value: $1,000</td>
<td>• Single parents from Southern Alberta who have at least second-year standing</td>
<td>• Academic achievement • Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td><em>(Executive Women International - Lethbridge Chapter)</em></td>
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<tr>
<td><strong>First Nations Bursary</strong></td>
<td>Value: Up to $1,000</td>
<td>• Full-time undergraduate students • First Nations, Métis, or Inuit ancestry • Financial need exacerbated by an emergency situation • Required • Apply at Scholarships and Student Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>(U of L faculty and staff)</em></td>
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</tr>
<tr>
<td><strong>Mat Hanrahan Memorial First Nations, Métis and Inuit Bursary</strong></td>
<td>Value: $1,000</td>
<td>• First Nations, Métis or Inuit students continuing in any undergraduate degree program</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td><em>(Anita Hanrahan)</em></td>
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### Undergraduate Awards

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<tr>
<td>David and Shirley Hughes Community Service Award (Dr. David and Mrs. Shirley Hughes)</td>
<td>Value: $1,000</td>
<td>Continuing students who are members of the U of L Rotaract Club</td>
<td>Academic achievement, Demonstrated leadership through volunteerism within the University community and a commitment to the ideals of Rotary and Rotaract</td>
<td>May 1</td>
</tr>
<tr>
<td>Judy Jaeger Bursary (Judy Jaeger)</td>
<td>Value: $1,000 Number: Four</td>
<td>Continuing students in any undergraduate degree program</td>
<td>Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>Kainai Chieftainship Award (Kainai Chieftainship)</td>
<td>Value: $1,000</td>
<td>Full-time continuing or graduating students in any undergraduate degree program</td>
<td>Academic achievement, Preference to a student who is not receiving financial support from the Blood Tribe</td>
<td>May 1</td>
</tr>
<tr>
<td>Colleen Klein Scholarship for First Nations Students (U of L)</td>
<td>Value: $1,000</td>
<td>Full-time continuing students in any degree program (minimum 60 percent course load), First Nations, Métis, or Inuit ancestry</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Lethbridge/Macleod Bar Association Scholarship (Lethbridge/Macleod Bar Association)</td>
<td>Value: $1,000</td>
<td>Continuing in any undergraduate degree program and completion of a minimum of sixty credits hours, Must have intentions of pursuing a law degree</td>
<td>Academic achievement, Preference given to financial need, Preference given to students raised and residing in Southern Alberta (Claresholm and south)</td>
<td>May 1</td>
</tr>
<tr>
<td>ORS Council Excellence Award (U of L)</td>
<td>Value: $1,000 minimum</td>
<td>Active member of the Organization of Residence Students Council holding a position of Resident Assistant, Vice President, President, or other ORS officer position, Continuing or graduating student, with a minimum course load of 60 percent</td>
<td>Demonstrates active and outstanding commitment to Residence Life and the ORS philosophy, Demonstrates a commitment to innovation in programs, projects, and planning to the betterment of U of L residents, Academic standard of good standing</td>
<td>May 1</td>
</tr>
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| **Organization of Residence Students Family Award**  
(U of L staff, faculty and former ORS members)  
* This award recognizes the unique challenges of students living in family housing, pursuing full-time studies while raising children | Value: $1,000 | • Current members of the Organization of Residence Students living in University housing and who are parents raising dependent children  
• Continuing students in any undergraduate or graduate program | • Financial need  
• Academic achievement | May 1 |
| **Steven C. Patten Memorial Scholarship**  
(Family and friends of the late Steve Patten) | Value: $1,000 minimum | • Second-year or higher standing | • Academic achievement | May 1 |
| **Students’ Union Quality Initiatives Scholarship**  
(The Students’ Union, U of L)  
* An agreement between the Students’ Union and the U of L has made this award possible | Value: $1,000  
Number: Variable | • Students enrolled in any degree program  
• Students who do not qualify for the Jason Lang Scholarship from the Alberta Scholarships Program because of residency will be given first preference | • Academic achievement (minimum GPA of 3.20) | May 1 |
| **Students’ Union Quality Initiatives Bursary**  
(The Students’ Union, U of L)  
* An agreement between the Students’ Union and the U of L has made this award possible | Value: $1,000  
Number: Variable | • Students enrolled in any degree program  
• Successful completion of a minimum of 18.0 credit hours in the previous fall and spring semesters at the U of L | • Financial need  
• Academic achievement (minimum GPA of 2.00) | May 1 |
| **Masson Family First Nations’ Transition Program Award**  
(Catherine McWatters and Richard Masson) | Value: Up to $1,000 | • Full-time students who have completed the First Nations Transition Program and are continuing in any undergraduate degree program | • Academic achievement (all actual grades included in the calculation)  
• Positive contribution and involvement in class | Not required  
• Nominated by committee |
| **Alice Takacs Achievement Award**  
(Alice Takacs)  
* Alice Takacs served on the U of L Senate from 1995 to 2001. She is also a longtime and avid supporter of the U of L | Value: $1,000 | • Full-time students who have completed the First Nations Transition Program and are continuing in any University of Lethbridge undergraduate degree program | • Academic achievement (all actual grades included in the calculation)  
• Positive contribution and involvement in class | Not required  
• Nominated by committee |
| **TD Bank Group First Nations’ Transition Program Bursary**  
(TD Bank Group) | Value: $1,000 minimum  
Number: up to Seven  
* Annual total not to exceed $7,000 | • Full-time students who have completed the First Nations Transition Program and are continuing in any University of Lethbridge undergraduate degree program | • Financial need  
• Positive contribution and involvement in class | May 1  
• Nominated by committee |

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| **TD Insurance Meloche Monnex Scholarship** (TD Insurance Meloche Monnex)  
- TD Insurance Meloche Monnex is an affinity partner providing group auto and home insurance to the University of Lethbridge alumni and provides their support to alumni events | Value: $1,000 | Full-time or part-time continuing students entering third or fourth year of study  
- Preference to children of U of L alumni | Academic achievement | May 1 |
| **Van Gaalen/Burbridge Farm Ltd. Award** (Dave and Marilyn Van Gaalen)  
- The donors encourage students to further advance conservation and efficiency in irrigation methods and delivery | Value: $1,000 | Students majoring in Agricultural Studies, Environmental Science, or Geography  
- Must have completed or must be registered to take a senior class in the study of water issues | Academic achievement (minimum GPA of 2.80)  
- Preference given to financial need | Not required |
| **University of Lethbridge Alumni Association - Calgary Chapter Award** (U of L Alumni Association - Calgary Chapter)  
- The U of L Alumni Association - Calgary Chapter has existed since 2000 and aims to increase mutually beneficial relationships among the alumni that reside in the Calgary area | Value: $1,000  
Number: Two | Full or part-time continuing students in an undergraduate degree program and attending classes at the Calgary campus  
- Must have registered in classes in both the fall and spring semesters, with a minimum of one class per semester | Academic achievement (minimum GPA of 3.00)  
- Preference given to financial need | May 1 |
| **Honourable Clarence G. Yanosik Scholarship** (William T. Aaron, Q.C. and friends of Honourable Clarence G. Yanosik)  
- Established in honour of Justice Yanosik, who was made a Justice of the Court of Queen’s Bench in 1975 where he served until he retired at the age of 75 | Value: $1,000 minimum | Must be enrolled in any undergraduate degree program with the intention of pursuing a law degree | Academic achievement | May 1 |
| **University of Lethbridge Faculty Association Academic Award** (U of L Faculty Association)  
- Available funds will be divided equally among eligible students | Value: Minimum equivalent to tuition for one 3.0-credit U of L course  
- Students who are the spouse or dependant child of a dues-paying Statutory Member of ULFA  
- Must be undergraduate students at a recognized university, including the U of L  
- Must have either completed at least 10 semester courses (or equivalent) of a baccalaureate program or 20 semester courses in a program that began at a college and transferred to a baccalaureate program  
- Must have a minimum cumulative GPA of 2.70 (or equivalent) | Students not attending the U of L must attach official transcripts and current term confirmation of registration to application | September 30  
- No student may receive this award more than two times |

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UoL in the preceding Fall and Spring semesters.
<table>
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<tr>
<th>Title and Donor</th>
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<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 6 Award (December 6 Memorial Fund)</td>
<td>Value: $900 minimum</td>
<td>* Students who have at least second-year standing</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Demonstrated interest and involvement in women's issues</td>
<td>• Financial need</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Details on the student's volunteer and paid work experience that</td>
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<td></td>
<td></td>
<td></td>
<td>has benefitted women</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• A list of courses taken relating to women's issues</td>
<td></td>
</tr>
<tr>
<td>Capstone Scholarship in Integrative Thinking (Anonymous)</td>
<td>Value: $800</td>
<td>* Continuing or graduating students who have completed a full course load</td>
<td>• Academic achievement</td>
<td>May 1</td>
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<tr>
<td></td>
<td></td>
<td>(30.0 credit hours) in the fall and spring semesters including Liberal</td>
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<td></td>
<td></td>
<td>Education courses</td>
<td></td>
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</tr>
<tr>
<td>Canadian Federation of University Women (Lethbridge) Award (Cdn Federal</td>
<td>Value: $800</td>
<td>* Students who have returned to university after an absence of three years</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td>minimum</td>
<td>or more or single parents enrolled in any degree program</td>
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<td></td>
<td></td>
<td></td>
<td>• Minimum GPA of 3.00</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Financial need</td>
<td></td>
</tr>
<tr>
<td>David Dempster Memorial Scholarship (Family and friends of David Dempster)</td>
<td>Value: $800</td>
<td>* Preference to students who either did not complete high school or returned</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td>minimum</td>
<td>to university after an absence of three years or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charlene Janes Bursary for International Students (Charlene Janes)</td>
<td>Value: $750</td>
<td>* Continuing international students</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Satisfactory academic achievement</td>
<td></td>
</tr>
<tr>
<td>Lethbridge and District Japanese Canadian Association Award (Endowed by the</td>
<td>Value: $750</td>
<td>* A minimum of 19 semester courses in a degree program</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td>minimum</td>
<td></td>
<td>• Financial need</td>
<td></td>
</tr>
</tbody>
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<th>Criteria</th>
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</thead>
<tbody>
<tr>
<td>Will Morrison Memorial Scholarship (Family and Friends of Will Morrison)</td>
<td>Value: $700 minimum</td>
<td>• Preference to students who have at least second-year standing</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Will Morrison was an employee of the U of L Bookstore for over 20 years until his death in 1993</td>
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<td></td>
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</tr>
<tr>
<td>Ware and Lewis Memorial Award (Ware and Lewis Estates)</td>
<td>Value: $700 minimum</td>
<td>• Students who graduated from high school in the County of Vulcan, Alberta</td>
<td>• Academic achievement (minimum GPA of 3.30)</td>
<td>May 1</td>
</tr>
<tr>
<td>• Preference to candidates who have completed no more than 30 semester courses in total</td>
<td>• Financial need</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cloverdale Paint Inc. Award (Cloverdale Paint Inc.)</td>
<td>Value: $600</td>
<td>• Continuing in any degree program</td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td>May 1</td>
</tr>
<tr>
<td>• Must be a Canadian citizen and permanent resident of British Columbia, Alberta, Saskatchewan or Manitoba</td>
<td>• Demonstrated a commitment to community service and career and/or entrepreneurial objectives</td>
<td>• Preference will be given to employees or students related to employees of Cloverdale Paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dorothy/Margaret Meehan Memorial Award (Teresa Diane Andrus)</td>
<td>Value: $600 minimum</td>
<td>• Students continuing in any degree program (minimum 60 percent course load)</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>• First Nations, Métis, or Inuit ancestry</td>
<td>• Academic achievement (minimum GPA of 2.50)</td>
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<td></td>
</tr>
<tr>
<td>University of Lethbridge Alumni Association Award (U of L Alumni Association)</td>
<td>Value: $600 minimum</td>
<td>• Must be children of founding members or children of graduate members of the U of L Alumni Association</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Academic Writing Prize (Faculties of Arts and Science, Fine Arts, and Management)</td>
<td>Value: $500</td>
<td>• Students in any undergraduate degree program offered by Arts and Science, Fine Arts, Health Sciences, or Management</td>
<td>• Exceptional academic writing in the Writing 1000 course completed in the most recent fall or spring semesters</td>
<td>Not required</td>
</tr>
<tr>
<td>Alberta Potato Industry Association Bursary (Alberta Potato Industry Association, APIA)</td>
<td>Value: $500</td>
<td>• Continuing students in any undergraduate degree program with the intention of pursuing agribusiness or involved in agricultural research</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>• If no eligible agricultural focused candidates, then a B.Mgt. student can be selected</td>
<td>• Recipient is invited to a local APIA meeting (April or November) and is welcome to prepare a short presentation about their University studies</td>
<td></td>
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</tr>
</tbody>
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</tr>
</thead>
</table>
| The Calgary Foundation - Frances Camyre Memorial Foundation Award (The Calgary Foundation) | Value: $500 Number: Up to 11 | • Must have successfully completed at least one semester of studies  
• Must be Alberta residents | • Academic achievement (minimum GPA of 3.00)  
• Financial need  
• Community service | • May 1 |
| Dayna B. Daniels Scholarship in Women and Gender Studies (Supporters of Women & Gender Studies and friends of Dr. Dayna Daniels) | Value: $500 | • Full or part-time students continuing in any undergraduate degree program  
• Successful completion of a minimum of three WGST (or WMST prior to 2012) numbered courses  
• Applied studies and independent studies will not be considered | • Academic achievement | • May 1 |
| Pronghorn Athletics Student Mentor Award (Pronghorn Athletics) | Value: $500 minimum | • Full-time students with above average academic achievement  
• Works with Pronghorn student-athletes in a mentoring capacity | • Academic achievement  
• Successfully completed two semesters of full-time studies (minimum 18 credit hours for undergraduate) at the U of L during the previous fall and spring semester | • Not required  
• Nominated by Sport and Recreation Services |
| U of L Residence Healthy Living Bursary (Coca-Cola, U of L) | Value: $500 Number: Two (one for University Hall and one for Kainai House residents) | • University Hall or Kainai House resident students who have completed first year and participated in the Residence Dining Plan  
• Demonstrates active living and healthy lifestyle choices | • Financial need | • May 1 |
| Students' Union Scholarship (The Students' Union, U of L) | Value: $500 | • Must have successfully completed a minimum of 24.0 credit hours at the U of L in the previous fall and spring semesters and entering the third or fourth year of their program | • Academic achievement  
• Community service (University or broader community involvement) | • November 1 for the following spring semester  
• March 1 for the following summer Sessions  
• July 1 for the following fall semester |
| Students' Union Placement Award (The Students' Union, U of L) | Value: $500 Number: Three | • Must have completed at least one academic semester at the U of L  
• Must have received a placement (Co-op, Professional Semester, Internship or Exchange) that requires the student to relocate | • Academic achievement  
• Financial need | • November 1 for the following spring semester  
• March 1 for the following summer Sessions  
• July 1 for the following fall semester |

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<tr>
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<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students' Union International Travel Award</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500</td>
<td>• Students who have completed at least one full-time study term at the UofL&lt;br&gt;• Students must be travelling internationally in the upcoming academic year for full-time credits towards their degree program</td>
<td>• Academic achievement&lt;br&gt;• Financial need</td>
<td>• May 1&lt;br&gt;• Students holding Executive Council positions in the year of application are not eligible for this award</td>
</tr>
<tr>
<td><strong>Students' Union Award</strong>&lt;br&gt;(The Students' Union, UofL)</td>
<td>Value: $500&lt;br&gt;Number: Three</td>
<td>• Must have successfully completed a minimum of 24.0 credit hours at the U of L in the previous fall and spring semesters; two awards for students entering the third or fourth year of their program</td>
<td>• Financial need&lt;br&gt;• Academic achievement (minimum GPA of 3.00)</td>
<td>• May 1&lt;br&gt;• Students holding Executive Council positions in the year of application are not eligible for this award</td>
</tr>
<tr>
<td><strong>Students' Union Part-Time Scholarship</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500</td>
<td>• Must have successfully completed more than 3.0 credit hours and less than 24.0 credit hours at the U of L in the previous fall and spring semesters</td>
<td>• Academic achievement</td>
<td>• May 1&lt;br&gt;• Students holding Executive Council positions in the year of application are not eligible for this award</td>
</tr>
<tr>
<td><strong>Students' Union Emergency Bursary</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500</td>
<td>• Full-time students with at least third-year standing</td>
<td>• Financial need exacerbated by an emergency situation&lt;br&gt;• Must be in good standing</td>
<td>• No deadline date</td>
</tr>
<tr>
<td><strong>Students' Union Community Service Award</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500 minimum</td>
<td>• A minimum of 24.0 credit hours in the previous fall and spring semesters</td>
<td>• Academic achievement&lt;br&gt;• Demonstrated commitment/service to the U of L community</td>
<td>• May 1&lt;br&gt;• Students holding Executive Council positions in the year of application will not be eligible to receive this award</td>
</tr>
<tr>
<td><strong>Students' Union/Coca-Cola Bottling Scholarship</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500&lt;br&gt;Number: Two</td>
<td>• Must have successfully completed a minimum of 24.0 credit hours at the U of L in the previous fall and spring semesters</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Students' Union/Coca-Cola Bottling Award</strong>&lt;br&gt;(The Students' Union, U of L)</td>
<td>Value: $500&lt;br&gt;Number: Two</td>
<td>• Must have successfully completed a minimum of 24.0 credit hours at the U of L in the previous fall and spring semesters</td>
<td>• Academic achievement (minimum GPA of 3.00)&lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
</tbody>
</table>

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## Undergraduate Awards

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<tr>
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<th>Criteria</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Students’ Union/Coca-Cola Bottling Edmonton and Calgary Scholarship</strong>&lt;br&gt;(The Students’ Union, U of L)</td>
<td>Value: $500 Number: Two (one each for Edmonton and Calgary campus students)</td>
<td>• Enrolled in any degree program at the U of L and attending at the Edmonton or Calgary campuses&lt;br&gt;• Must have successfully completed a minimum of 18.0 credit hours at the U of L in the previous fall and spring semesters</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Cardtronics Canada Bursary</strong>&lt;br&gt;(Cardtronics Canada)</td>
<td>Value: $500</td>
<td>• Continuing undergraduate students&lt;br&gt;• Single parents</td>
<td>• Financial need&lt;br&gt;• Minimum 60 percent course load</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Cardtronics Canada Community Service Award</strong>&lt;br&gt;(Cardtronics Canada)</td>
<td>Value: $500</td>
<td>• Continuing undergraduate students</td>
<td>• Academic achievement (minimum 60 percent course load)&lt;br&gt;• Community service</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>George Ellis Scholarship</strong>&lt;br&gt;(Endowed by the late George Ellis)</td>
<td>Value: $500 minimum</td>
<td>• Must have completed a minimum of 19 semester courses</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>The John Hamilton Award</strong>&lt;br&gt;(Endowed by the late John Hamilton and friends)</td>
<td>Value: $500 minimum</td>
<td>• Must have second-year or higher standing</td>
<td>• Academic achievement&lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Gordon and Elizabeth Merrick Award</strong>&lt;br&gt;(Merrick Family)&lt;br&gt;• Established by the Merrick’s to recognize students whose education involves improving the life of those who are living with cancer, either by involvement in research or by applying classroom knowledge in the community</td>
<td>Value: $500</td>
<td>• Students continuing in any degree program</td>
<td>• Academic achievement (minimum GPA of 3.00)&lt;br&gt;• Demonstrated interest in improving the life of those who are living with cancer&lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Romulus et Remus Italian Canadian Club Award</strong>&lt;br&gt;(Romulus et Remus Italian Canadian Club)</td>
<td>Value: $500</td>
<td>• Students who have at least second-year standing&lt;br&gt;• Preference to a member or a direct descendant of a member of the Romulus et Remus Italian Canadian Club</td>
<td>• Academic achievement&lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Rotary Community Service Award</strong>&lt;br&gt;(Lethbridge Rotary Club)</td>
<td>Value: $500</td>
<td>• Students who have completed not less than nine semester courses&lt;br&gt;• Preference to a member of the Rotaract Club</td>
<td>• Academic achievement&lt;br&gt;• Financial need&lt;br&gt;• Service to the community</td>
<td>• May 1</td>
</tr>
</tbody>
</table>

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</thead>
<tbody>
<tr>
<td>StudentWise Bursary</td>
<td>Value: $500 Number: Two</td>
<td>• Continuing students in any undergraduate degree program</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>(Campbell &amp; Co. Insurance Consultants Ltd.)</td>
<td></td>
<td>• Successful completion of a minimum of 18 credit hours in the previous fall and spring semesters at the U of L</td>
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<tr>
<td></td>
<td></td>
<td>• Continued coverage from the Students' Union Health and Dental Plan</td>
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</tr>
<tr>
<td>25th Anniversary Alumni Association Scholarship</td>
<td>Value: $500 minimum</td>
<td>• A minimum of 20 semester courses</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(U of L Alumni Association)</td>
<td></td>
<td></td>
<td>• Involvement in campus or community activities such as clubs, volunteer organizations or sports</td>
<td></td>
</tr>
<tr>
<td>Alumni Association John Gill Memorial Bursary</td>
<td>Value: $500 Number: Five</td>
<td>• Continuing students in any undergraduate degree program</td>
<td>• Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>(U of L Alumni Association)</td>
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</tr>
<tr>
<td>University of Lethbridge Library Award</td>
<td>Value: $500</td>
<td>• Continuing students in any undergraduate degree program</td>
<td>• Above average employee as demonstrated by employment evaluation</td>
<td>May 1</td>
</tr>
<tr>
<td>(Rae Hazelwood, her friends and colleagues)</td>
<td></td>
<td>• Employed as a student assistant in the U of L library for at least two semesters</td>
<td>• Academic achievement (minimum GPA of 2.50, 60 percent course load)</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Must have completed a minimum of 12.0 and a maximum of 22.5 credit hours in the fall and spring semesters</td>
<td></td>
<td>May receive this award once</td>
</tr>
<tr>
<td></td>
<td>Value: Up to $500 Number: Up to 20</td>
<td>• Must have been registered in classes in both the fall and spring semesters</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>University of Lethbridge Scholarship for Reduced Course Load</td>
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<td></td>
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<tr>
<td>(U of L)</td>
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</tr>
<tr>
<td>Elliot Wheeler Memorial Award</td>
<td>Value: $500</td>
<td>• Continuing students with at least third-year standing in a combined B.Sc./B.Mgt. program</td>
<td>• Extracurricular activities and/or community involvement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Friends and family of Elliot W heeler)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>• Elliot W heeler, a U of L student, tragically passed away in 2008 weeks before his graduation. He understood the value of hard work as well as the importance of a balanced life</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilma G. Winter Memorial Award</td>
<td>Value: $500</td>
<td>• Students with a minimum of 24.0 credit hours completed</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Friends and family of Dr. W ila W inter)</td>
<td></td>
<td>• Demonstrated commitment to an active living lifestyle</td>
<td>• Financial need</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Established in honour of Dr. W inter, a founding member of the University of Lethbridge and professor emeritus</td>
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<tr>
<td>Dr. Ronald M. Yoshida Award in Philosophy of Science (Douglas T. Yoshida)</td>
<td>Value: $500</td>
<td>• Any full-time undergraduate degree program</td>
<td>• Academic merit in Philosophy 2233, Philosophy 2234, or Philosophy 3412</td>
<td>• Not required</td>
</tr>
<tr>
<td>Ruby I. Larson French Language Scholarship (Endowed by Dr. Ruby I. Larson)</td>
<td>Value: $400 minimum</td>
<td>• A minimum of 29 semester courses</td>
<td>• Academic achievement, particularly in French studies</td>
<td>• May 1</td>
</tr>
<tr>
<td>David B. Carpenter Award (Mr. and Mrs. D.B. Carpenter)</td>
<td>Value: $300 minimum</td>
<td>• Students who have completed at least 16 semester courses</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Clarence and Ilene Bengtson Memorial Award (Endowed by the Estate, Family and friends of the Bengtsons)</td>
<td>Value: $250 minimum</td>
<td>• Students who have graduated from a high school in the Grasslands Regional School Division</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>French Club Prize (Department of Modern Languages)</td>
<td>Value: $250</td>
<td>• Continuing students involved in the ULSU French Club</td>
<td>• Significant contributions to the French presence on campus as measured by volunteer effort and leadership in club activities</td>
<td>• Not required</td>
</tr>
<tr>
<td>Charles Anthony Munson Memorial Prize in French (Joanne Zaborowski)</td>
<td>Value: $250</td>
<td>• Continuing students in an undergraduate degree program</td>
<td>• Academic achievement in French 3001, Advanced Language I completed in the most recent fall or spring semesters</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

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<tr>
<td>James and Isabelle Norrie Memorial Award in Agricultural Management (Laurel Chapter No. 43, Order of Eastern Star)</td>
<td>Value: $250 minimum</td>
<td>Must have completed a minimum of 10 U of L semester courses and enrolled in any degree program</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>ORS Residence Citizenship Award (Organization of Residence Students)</td>
<td>Value: $250 minimum</td>
<td>Active members of the Organization of Residence Students currently living in residence and continuing full membership in ORS in the semester in which the award is granted</td>
<td>Must have a minimum 2.50 cumulative GPA and demonstrated active and outstanding commitment to residence living and the ORS philosophy</td>
<td>May 1</td>
</tr>
<tr>
<td>ORS Greatest Scholastic Achievement Award (Organization of Residence Students)</td>
<td>Value: $250 minimum</td>
<td>Active members of the Organization of Residence Students currently living in residence and continuing full membership in ORS in the semester in which the award is granted</td>
<td>Must have a minimum 2.30 cumulative GPA and a minimum of 9.0 credit hours in each of the previous four academic semesters</td>
<td>May 1</td>
</tr>
<tr>
<td>Darryl C.M. Rae Prize in Mathematics (Family and friends of Darryl Rae)</td>
<td>Value: $250 minimum</td>
<td>Full time students who have completed a minimum of 20 graded courses of an undergraduate degree program with a declared major in Mathematics and completed MATH 2000</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>International Student Memorial Scholarship (Endowed by friends of Foreign Students)</td>
<td>Value: $200 minimum</td>
<td>Visa students</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Prize of the Ambassador of Switzerland to Canada (Embassy of Switzerland)</td>
<td>Value: A book prize of French language</td>
<td>Students who have excelled in language, culture, or literature courses in French</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
<tr>
<td>Prize of the Ambassador of Switzerland to Canada (Embassy of Switzerland)</td>
<td>Value: A book prize of German language</td>
<td>Students who have excelled in language, culture, or literature courses in German</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
<tr>
<td>Prize of the Ambassador of Germany to Canada (Embassy of Germany)</td>
<td>Value: A book prize of German language</td>
<td>Students who have excelled in language, culture, or literature courses in German</td>
<td>Academic achievement</td>
<td>Not required</td>
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### Undergraduate Awards

#### Arts and Science

Please note that the eligibility and tenure conditions set out in the general criteria under **Section 4 - Undergraduate Awards (p. 477)** pertain unless otherwise stated. All awards are payable to students enrolled in full-time studies in Arts and Science at the University of Lethbridge in the fall semester immediately following the granting of the award, unless otherwise stated.

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<tr>
<td><strong>Arthur J.E. Child Award in Economics, English, and History</strong>&lt;br&gt;(Arthur J.E. Child Foundation)&lt;br&gt;• Arthur James Edward Child (1910-1996), former chairman and chief executive officer of Burns Foods, was named an Officer of the Order of Canada in 1985. He co-founded the Canada West Foundation and had philanthropic commitments that spanned a great breadth of activities</td>
<td>Value: One at $10,000 or two at $5,000 minimum for each of the three majors: Economics, English, and History. (Total value: $30,000)</td>
<td>• Continuing undergraduate or graduate students with a major in Economics, English, or History</td>
<td>• Academic achievement&lt;br&gt;• Financial need&lt;br&gt;• Community involvement</td>
<td>• May 1&lt;br&gt;• Departments of Economics, English, and History will nominate from eligible applicants</td>
</tr>
<tr>
<td><strong>CAPP/EPAC Scholarship</strong>&lt;br&gt;(CAPP/EPAC Scholarship Fund)</td>
<td>Value: $5,000&lt;br&gt;Number: Four</td>
<td>• Students continuing in a B.Sc. or B.Mgt program&lt;br&gt;• Expressed interest and intention to pursue career in oil and gas industry</td>
<td>• Academic achievement&lt;br&gt;• Preference given to students with FNMI ancestry</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Driedger Family Scholarship in History</strong>&lt;br&gt;(Walter and Takako Driedger; Dr. Gerhard and Hilda Driedger; Maria Kimber; Dr. Bernhard Driedger; Peter Driedger)&lt;br&gt;• The Driedger family wishes to honour their parents Dr. Gerhard and Hilda Driedger</td>
<td>Value: Variable&lt;br&gt;(an amount equal to half the cost of tuition and fees assessed to the student in the fall and spring semesters)</td>
<td>• Continuing undergraduate students with a major in History&lt;br&gt;• Entering fourth year of study</td>
<td>• Academic achievement</td>
<td>• May 1&lt;br&gt;• Nominated by the Department of History</td>
</tr>
<tr>
<td><strong>French Visiting Student Travel Award (DELF-DALF French Language Proficiency Centre)</strong>&lt;br&gt;(Department of Modern Languages)&lt;br&gt;• Established through the DELF-DALF Centre in the Department of Modern Languages thanks to a grant from COLEP (Canada-Alberta Official Languages Education Protocol)</td>
<td>Value: Variable&lt;br&gt;($12,000 maximum fund - the Selection Committee will decide the value of each award)&lt;br&gt;Number: All who qualify</td>
<td>• Students enrolled in French 2250 (France or Quebec)</td>
<td>• Academic achievement, particularly in completed French courses; (minimum GPA of 2.00)</td>
<td>• Not required</td>
</tr>
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<tr>
<td>Honourable Lawrence David MacLean, Q.C. Memorial Award for Service</td>
<td>Value: $3,000 ($1,000 minimum per year for three years)</td>
<td>• Second-year students continuing in any undergraduate degree program in the Faculty of Arts and Science&lt;br&gt;• Permanent home address or parents residing in southern Alberta (south of Calgary)&lt;br&gt;• Attending Lethbridge campus</td>
<td>• Demonstrated community involvement&lt;br&gt;• Academic good standing (minimum GPA of 2.00)&lt;br&gt;• For renewal of the award in subsequent years; recipient must maintain a minimum 2.00 GPA and completion of a minimum 24.0 credit hours at the U of L during the previous fall/spring semesters</td>
<td>May 1</td>
</tr>
<tr>
<td>William Elichen Scholarship (Mr. W illiam (Bill) Elichen)</td>
<td>Value: $2,500 minimum</td>
<td>• Students who have completed at least 19 courses at the U of L&lt;br&gt;• Preference to students who have a demonstrated interest in Slavic culture</td>
<td>• Academic achievement&lt;br&gt;• Intent to pursue a medical career</td>
<td>May 1</td>
</tr>
<tr>
<td>Bill Cade and Elsa Salazar Cade Scholarship in Evolutionary Ecology (Dr. and Mrs. Cade)</td>
<td>Value: $2,500 minimum</td>
<td>• Must have successfully completed a minimum of 29 semester courses towards a B.Sc., major in Biological Sciences with a focus in evolutionary ecology, especially animal behaviour</td>
<td>• Academic achievement&lt;br&gt;• One award: financial need and academic achievement</td>
<td>May 1&lt;br&gt;Nominated by the Department of Biological Sciences</td>
</tr>
<tr>
<td>Martin Oordt Scholarship (The Meliorist Publishing Society)</td>
<td>Value: $2,000</td>
<td>• Students enrolled in Arts and Science or Education programs with a declared major in English&lt;br&gt;• Graduate students may also be considered</td>
<td>• Academic achievement (minimum GPA of 3.00)&lt;br&gt;• A proven interest in creative writing</td>
<td>May 1</td>
</tr>
<tr>
<td>Alcoa Foundation/Kawneer Company Canada Ltd. Environmental Science Scholarship (Kawneer Company Canada Ltd.)</td>
<td>Value: $1,500 Number: Five</td>
<td>• Full-time continuing students majoring in Environmental Science</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>William Ruryk Award in Agriculture (Estate of Victor Nicholas Ruryk)</td>
<td>Value: $1,500 minimum</td>
<td>• Continuing students majoring in Agricultural Studies or a related field who intend to use their education in the agricultural sector</td>
<td>• Financial need&lt;br&gt;• Academic achievement&lt;br&gt;• Preference may be given to a member of the Agriculture Students Society</td>
<td>May 1&lt;br&gt;Statement of career intention in agricultural sector</td>
</tr>
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<tr>
<td>Glastech Glazing Alberta Ltd. Award (Glastech Glazing Alberta Ltd.)</td>
<td>Value: $1,500 minimum</td>
<td>• Continuing students in a B.A. program</td>
<td>• Academic achievement (minimum GPA of 3.00) • Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>Andrew and Rheta Anderson Memorial Scholarship (Rheta Anderson and Murray Anderson) • This award recognizes the leadership and commitment of former Lethbridge mayor, Andy Anderson, and his wife, Rheta Anderson. Andy passed in 1996 from Alzheimer's disease and Rheta passed in 2011</td>
<td>Value: $1,000 minimum</td>
<td>• Students enrolled in a B.Sc. program with a major in Neuroscience • Completed a minimum of 20 semester courses</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Bayer CropScience Award (Bayer CropScience)</td>
<td>Value: $1,000 Number: Two</td>
<td>• Students majoring in Agricultural Biotechnology, Agricultural Studies, Biochemistry, Biological Sciences, Economics, Environmental Science, Geography, Accounting, Finance, or Marketing • Intend a career in agriculture • Preference to a student with active involvement in the agriculture industry</td>
<td>• Academic achievement • Community involvement</td>
<td>May 1</td>
</tr>
<tr>
<td>BioAlberta Award in Agricultural Biotechnology (BioAlberta) • BioAlberta supports the development of a thriving and globally competitive life sciences industry in Alberta</td>
<td>Value: $1,000</td>
<td>• Third- or fourth-year students majoring in Agricultural Biotechnology</td>
<td>• Academic achievement • Preference given to those who completed a co-op term</td>
<td>May 1</td>
</tr>
<tr>
<td>CropLife Canada Alberta Chapter—“Sustaining Agriculture” Scholarship (CropLife Canada Alberta Chapter)</td>
<td>Value: $1,000</td>
<td>• Students majoring in Agricultural Studies, Agricultural Biotechnology, or Environmental Science • Career interest in the Agriculture sector</td>
<td>• Academic achievement • Preference given to those with campus involvement in clubs, athletics, the Students’ Union, etc.</td>
<td>May 1</td>
</tr>
<tr>
<td>Echoridge Educational Foundation Scholarship in Science (Echoridge Educational Foundation)</td>
<td>Value: $1,000</td>
<td>• Third-year B.Sc. students</td>
<td>• Academic achievement • Demonstrated leadership and community involvement</td>
<td>May 1</td>
</tr>
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<tr>
<td>Lubov Alexandra de Grandmaison Scholarship - Native American Studies (Endowed by the late Lubov Alexandra de Grandmaison)</td>
<td>Value: $1,000</td>
<td>• Native students majoring in Native American Studies</td>
<td>• Academic achievement</td>
<td>May 1</td>
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<tr>
<td></td>
<td>Number: Two</td>
<td>• Financial need may be considered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johan F. Dormaar Memorial Award (Family and friends of Johan/John Dormaar)</td>
<td>Value: $1,000</td>
<td>• Continuing students with a major in Geography, Archaeology and Geography or Environmental Science</td>
<td>• Academic achievement in the independent study or course project</td>
<td>Not required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Completion of an independent study or substantial course project in the Geography Department, during the most recent academic year</td>
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<tr>
<td></td>
<td></td>
<td>• Must involve a substantial amount of field-based primary research</td>
<td></td>
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</tr>
<tr>
<td>Dr. Malcolm Greenshields European History Award (Friends and colleagues of Malcolm Greenshields)</td>
<td>Value: $1,000</td>
<td>• Continuing undergraduate or graduate students majoring in History</td>
<td>• Academic achievement</td>
<td>Not required</td>
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<tr>
<td></td>
<td></td>
<td>• Demonstrated excellence in European history courses</td>
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<td></td>
<td></td>
<td>• Not required</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Nominated by the Department of History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Growing Alberta Student Award (Growing Alberta)</td>
<td>Value: $1,000</td>
<td>• Third- or fourth-year students majoring in Agricultural Studies or Agricultural Biotechnology</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Financial need</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Preference given to permanent residents of Alberta</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Community/agriculture leadership activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justice Vaughan and Marilyn Hembroff Award (Justice and Mrs. Hembroff)</td>
<td>Value: $1,000</td>
<td>• Continuing students with a declared major in English</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Financial need</td>
<td></td>
<td></td>
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<tr>
<td>Kaede Cultural Society of Calgary Award (Kaede Cultural Society of Calgary)</td>
<td>Value: $1,000 minimum</td>
<td>Continuing undergraduate students pursuing a B.A., B.Sc. or BASc.</td>
<td>• Preference to a student who has completed Asian Studies 1000 • Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Kay Kerr Neuroscience Research Award (Kay Kerr)</td>
<td>Value: $1,000 minimum</td>
<td>Students majoring in Psychology or Neuroscience who are participating in U of L research</td>
<td>• Outstanding contribution to research • Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Lethbridge Real Estate Board Agricultural Award (Lethbridge Real Estate Board Co-op Limited)</td>
<td>Value: $1,000</td>
<td>Students with a declared major in Agricultural Studies or Agricultural Biotechnology who have completed at least 24.0 credit hours</td>
<td>• Academic achievement • Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>Alfred and Blanche McGuire Memorial Award (Endowed by the late Mrs. Lois Millican)</td>
<td>Value: $1,000 minimum</td>
<td>Must have completed a minimum of 29 semester courses in a degree program in the Faculty of Arts and Science</td>
<td>• Academic achievement • Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>Timothy Reuter Medieval History Scholarship (Kriston Rennie and Brenda Rennie)</td>
<td>Value: $1,000</td>
<td>Continuing students in third- or fourth-year of a Bachelor of Arts program, majoring in History</td>
<td>• Highest academic achievement in Medieval or Early Modern European History courses • Not required • Nominated by the Department of History</td>
<td></td>
</tr>
<tr>
<td>Ricoh Environmental Science Scholarship (Ricoh Canada Inc.)</td>
<td>Value: $1,000</td>
<td>Third- or fourth-year students with a major in Environmental Science</td>
<td>• Academic achievement</td>
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<tr>
<td><strong>William “Bill” and Eleanor Skelton Memorial Bursary in Neuroscience</strong>&lt;br&gt;(Maxwell and Marjorie Ward)&lt;br&gt;• William “Bill” Skelton and Eleanor were long-time residents of Lethbridge where Bill practised pharmacy at Skelton’s Pharmacy. Eleanor was well-known for her community involvement including volunteering for Meals on Wheels</td>
<td>Value: $1,000 minimum</td>
<td>• Continuing undergraduate students with a major in neuroscience&lt;br&gt;• Preference to candidates involved in Alzheimer’s research</td>
<td>• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Lawrence O. Smith Memorial Award</strong>&lt;br&gt;(Oldman River Regional Service Commission)&lt;br&gt;• Lawrence O. Smith served as Executive Director of the Oldman River Regional Planning Commission (1972-1987)</td>
<td>Value: $1,000 minimum</td>
<td>• A minimum of 20 graded semester courses with a declared major in Urban and Regional Studies</td>
<td>• Academic achievement&lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Dr. James D. Tagg History and Citizenship Award</strong>&lt;br&gt;(Czechoslovak Canadian Cultural Society of Southern Alberta, and friends)&lt;br&gt;• Dr. James D. Tagg taught American History at the UofL from 1969 to 2003. As a highly respected teacher and scholar, Dr. Tagg believes that educated persons have a duty to engage in the support and improvement of the communities in which they find themselves</td>
<td>Value: $1,000</td>
<td>• Continuing undergraduate or graduate students majoring in History</td>
<td>• Academic achievement&lt;br&gt;• Community involvement</td>
<td>• May 1&lt;br&gt;• Nominated by the Department of History</td>
</tr>
<tr>
<td><strong>UFA Agriculture Award</strong>&lt;br&gt;(United Farmers of Alberta Cooperative Limited)</td>
<td>Value: $1,000&lt;br&gt;Number: Four</td>
<td>• Continuing students majoring in Agricultural Studies or Agricultural Biotechnology. Post-diploma students may qualify in their first year at the UofL&lt;br&gt;• AGVANTAGE 25 UFA members</td>
<td>• Academic achievement&lt;br&gt;• Demonstrated leadership ability</td>
<td>• May 1 (continuing students)&lt;br&gt;• June 15 (transfer students)</td>
</tr>
<tr>
<td><strong>Waters Family Bursary for Neuroscience</strong>&lt;br&gt;(Tim and Beverly Waters)&lt;br&gt;• Owners of WA Environmental Services Ltd. Tim and Beverly are long-time supporters of the U of L and Tim has served on the Board of Governors during 2011-2014</td>
<td>Value: $1,000</td>
<td>• Continuing students with a major in Neuroscience</td>
<td>• Financial need</td>
<td>• May 1</td>
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| Dr. Barbara June Whitlock Chemistry Scholarship (Muriel Shortreed) | Value: $1,000 minimum | • Graduating undergraduate students with a major in Chemistry  
• Must be enrolled in a full-time university graduate degree program in Chemistry in the year following graduation from the undergraduate program | • Academic achievement | • Not required |
| Ruby I. Larson Biological Research Aptitude Scholarship (Endowed by Dr. Ruby I. Larson) | Value: $800 | • Students majoring in Biology or in Biology and another science with a minimum of 29 courses | • The student who, in the opinion of the staff of the Department of Biological Sciences, has the greatest potential for biological research | • Not required |
| Marvin Sundstrom Memorial Scholarship (Elke Sundstrom) | Value: $800 minimum | • Enrolled in a Bachelor of Arts program with a declared major in Geography  
• A minimum of 20 semester courses toward the Bachelor of Arts degree  
• Canadian citizens or Permanent Residents | • Academic achievement | • May 1 |
| Diana Cooper Memorial Scholarship (Endowed by Diana Cooper) | Value: $800 minimum | • At least second-year standing in the Faculty of Arts and Science, and pursuing a Social Science program with an emphasis on women's issues and research | • Academic achievement  
• Preference to a student who has demonstrated an interest in Social Sciences through volunteer community service | • May 1 |
| HistoriCity Prize (Terry W. Whitehead) | Value: $750 for first prize; $250 for second prize Number: Two | • Students registered in a 3000 or 4000 level course including an Independent Study in the spring semester and have a written essay about the history of Lethbridge (City or University) | • Excellence in academic papers about the history of the City of Lethbridge or the U of L | • Last day of classes in the spring semester  
• Application available at the Department of History |
| Scholarship in Agriculture (Endowed by the late Mrs. Eugene Schulz) | Value: $700 minimum | • Must have completed first year of study and have been enrolled in courses related to agriculture | • Academic achievement | • May 1 |

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### Undergraduate Awards

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| APEGA N.H. Bradley, P.Eng., Memorial Scholarship (The Association of Professional Engineers and Geoscientists of Alberta) | Value: $700 minimum | • Students who have completed the Pre-Professional Transfer Program in Engineering (Engineering Transfer Program) at the U of L and who intends to continue studies in Engineering at the U of A  
• Preference to students planning to pursue studies in civil or survey engineering | • Academic achievement | • May 1  
• Payable upon confirmation of full-time enrolment at the University of Alberta |
| Werner O. Hoerger Memorial Award (Cindy Hoerger and Sons) | Value: $600 | • Students who have graduated from a high school in Southern Alberta and who are enrolled in a Bachelor of Science program | • Academic achievement  
• Financial need | • May 1 |
| Dr. G.E. Orchard Prize in Russian History (Dr. G. E. Orchard) | Value: $600 minimum | • Full-time students enrolled in the Russian History Survey course | • Academic achievement in the Russian History Survey course | • Not required |
| Alberta Institute of Agrologists Agriculture Award (Alberta Institute of Agrologists, Lethbridge Branch) | Value: $500 | • Third- or fourth-year B.Sc. students in Agricultural Studies/Biotechnology or Environmental Science majors  
• Student membership in AIA | • Community involvement or employment in agrology-related activities  
• Academic achievement | • May 1 |
| Islay Arnold Memorial Award (Friends and family of Islay Arnold) | Value: $500 | • Continuing undergraduate students in the Faculty of Arts and Science pursuing a General Major in the Humanities | • Academic achievement (minimum GPA of 3.00)  
• Financial need | • May 1 |
| Archaeological Society of Alberta (Lethbridge) Scholarship (Archaeological Society of Alberta, Lethbridge Centre) | Value: $500 | • Third- or fourth-year undergraduate students majoring in Archaeology  
• Membership in the Archaeological Society of Alberta (ASA) | • Academic achievement | • May 1 |

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<table>
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<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
</table>
| **Arts and Science Award of Excellence**  
(U of L alumni and friends) | Value: $500  
Number: Variable | • Continuing students in the Faculty of Arts and Science | • Academic achievement | • Not required |
| **Kalen Brown Memorial Award**  
(Family and friends of Kalen Brown) | Value: $500 | • Must be entering fourth year with a major in Biology, Chemistry, or Biochemistry  
• Preference to students participating in research in cell biology, molecular biology, or a related field | • Academic achievement  
• Financial need | • May 1  
• Nominated by the Faculty of Arts and Science |
| **Patrick Chan Award in Sustainable Agriculture Supported by Syngenta**  
(Syngenta Canada Inc, family and friends, in remembrance of Patrick Chan) | Value: $500 | • Continuing undergraduate students with an interest in sustainable agriculture  
• Preference to completion of or registered in an independent or applied study course related to the study or promotion of sustainable agriculture | • Academic achievement  
• Potential for sustainable agriculture research | • May 1  
• Nominated by the Department of Environmental Science |
| **Lubov Alexandra de Grandmaison Scholarship**  
- Part-Time Studies in Native American Studies  
(Endowed by the late Lubov Alexandra de Grandmaison) | Value: $500 | • Native students majoring in Native American Studies  
• Minimum of two and no more than 7.5 graded courses in the fall and spring semesters immediately preceding the granting of the award | • Academic achievement  
• Financial need may be considered | • May 1 |
| **Trevor J.O. Dick Economic Memorial Scholarship**  
(Mrs. Nancy Dick and Friends) | Value: $500 minimum | • Graduating economics majors who have been accepted to a university program leading to a graduate degree in Economics | • Academic achievement | • Not required |
| **James R. Genge Work Experience Scholarship**  
(Endowed by Dr. Jennifer Mather in memory of her late father) | Value: $500 minimum | • Must have at least second-year standing  
• Must have participated in either an Applied Study or an Arts and Science Co-op Work term in the previous academic year | • Exceptional work experience evaluation | • Not required |

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<th>Criteria</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Mr. Merv Leitch Memorial Scholarship in Chemistry</td>
<td>Val: $500</td>
<td>A minimum of 20 semester courses</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Mrs. Ardine Leitch and Alberta Energy)</td>
<td></td>
<td>A declared major in Chemistry</td>
<td>Potential for chemical research</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>In memory of the Honourable Mr. Merv Leitch for his outstanding contributions to the furthering of oil sand technology in Alberta</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paul D. Lewis Memorial Biology Award</td>
<td>Val: $500</td>
<td>Third- or fourth-year students with a major in Biological Science</td>
<td>Academic achievement (minimum GPA of 3.00)</td>
<td>May 1</td>
</tr>
<tr>
<td>(Dr. Margaret Lewis, Family and Friends)</td>
<td></td>
<td></td>
<td>Greatest potential for biological science research</td>
<td></td>
</tr>
<tr>
<td>Elmer Marquardson Research Scholarship</td>
<td>Val: $500</td>
<td>Must have completed 19 semester courses in the Faculty of Arts and Science</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Mrs. B. Glass, in loving memory of her father)</td>
<td></td>
<td>First consideration to studies in dairy cattle or hardy fruits</td>
<td>A proven interest in agricultural research with a particular interest in topics which will benefit southern Alberta agriculture</td>
<td></td>
</tr>
<tr>
<td>Dieter Mueller Memorial Prize in History</td>
<td>Val: $500</td>
<td>The student deemed most deserving by the Department of History</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
<tr>
<td>(Endowed by friends of the late Dieter Mueller)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outstanding Achievement in the Humanities Scholarship</td>
<td>Val: $500</td>
<td>Continuing students entering the fourth year of study, majoring in a discipline in the Humanities</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Numerous donors)</td>
<td></td>
<td>Preference will be given to students majoring in English, Modern Languages, Philosophy, History, or Religious Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Painter Memorial Scholarship</td>
<td>Val: $500</td>
<td>Must have a major in a program related to agriculture and intend to pursue a career in an agricultural profession</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Endowed by Mrs. Hannah Painter in memory of her late husband)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paterson and Husky Energy Scholarship</td>
<td>Val: $500</td>
<td>Full-time students majoring in Environmental Science</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>(Husky Energy)</td>
<td></td>
<td></td>
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<td></td>
</tr>
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### Undergraduate Awards

#### Political Science Graduate Studies Award
(Alan Siaroff)
- **Value:** $500
- **Eligibility:** Graduating students or B.A. degree holders (from the U of L) with a major in Political Science intending to pursue graduate studies in Political Science, Public Administration, Public Policy, or related field at any graduate school
- **Criteria:**
  - Academic achievement (minimum GPA of 3.30)
  - Not required
- **Application:** Nominated by the Department of Political Science

#### Rogers Sugar Scholarship
(Rogers Sugar Ltd.)
- **Value:** $500
- **Number:** Two
- **Eligibility:** Students majoring in Chemistry or Physics
- **Criteria:**
  - Academic achievement
- **Application:** May 1

#### Joe Rood Memorial Scholarship in Physics
(Friends and family of Joe Rood)
- **Value:** $500
- **Eligibility:** Third- or fourth-year students majoring in Physics, Chemistry, Geography, or other Physical Sciences
- **Criteria:**
  - Academic achievement
  - Greatest potential for research in the Physical Sciences
- **Application:** Not required

#### Gordon W. Russell Memorial Scholarship
(Shelley Svidal)
- **Value:** $500
- **Eligibility:** Continuing undergraduate students majoring in Psychology
- **Criteria:**
  - Academic achievement
- **Application:** May 1

#### William Stafford Russell Scholarship
(Torry Lewis Abells, Lawyers)
- **Value:** $500
- **Eligibility:** Must be enrolled in a degree program with the intention of pursuing a Law degree
- **Criteria:**
  - Academic achievement
- **Application:** May 1

#### URISA Prize in Geographic Information Systems
(Urban and Regional Information Systems Association – Alberta Chapter)
- **Value:** $500
- **Eligibility:** Continuing or graduating undergraduate students majoring in Geography
- **Criteria:**
  - The average grades of GEO G 3740 and one of the eligible courses
- **Application:** Not required

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<tbody>
<tr>
<td>Jerome and Ann Weintraub Memorial Scholarship (Ruth Coppens, David, Sara, and Barry Weintraub)</td>
<td>Value: $400 minimum</td>
<td>Enrolled in a Bachelor of Science program</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Loren Hepler Memorial Scholarship (Family and Friends of Dr. Loren Hepler)</td>
<td>Value: $400 minimum</td>
<td>Must be enrolled in the Faculty of Arts and Science with a declared major in Chemistry</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Agricultural Studies Prize (Pioneer Hi-Bred Dupont Limited)</td>
<td>Value: $300 Number: Two (one each for Agricultural Studies and Agricultural Biotechnology)</td>
<td>Agricultural Studies majors who have completed Agricultural Studies 4000, or Agricultural Biotechnology majors who have completed Biology 4100</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
<tr>
<td>Chinook Chemistry and Biochemistry Prizes (Faculty/Staff in the Department of Chemistry and Biochemistry)</td>
<td>Value: $300 for first prize $100 for second prize Number: Four first prizes Four second prizes</td>
<td>Undergraduate and graduate students, performing original research during the 12 months preceding the deadline for abstracts, supervised or co-supervised by a member of the Department of Chemistry and Biochemistry</td>
<td>Completion and participation in the Chinook Symposium poster competition</td>
<td>Not required</td>
</tr>
<tr>
<td>Carol Braat Memorial Prize in Biochemistry (Family and Friends of Carol Braat)</td>
<td>Value: $250</td>
<td>Must have a declared major in either Biochemistry or Chemistry</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>S.W. Jackman Prize in British History (Dr. S.W. Jackman)</td>
<td>Value: $250 minimum</td>
<td>Students who have excelled in the study of British history</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
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<tr>
<td>Joanna Morgan Prize in Literature (Family of Joanna Morgan)</td>
<td>Value: $250 minimum</td>
<td>• Declared English majors who have completed at least 29 semester courses</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Biology Graduate Research Symposium Prize for Research Achievement (Faculty/Staff in the Department of Biological Science)</td>
<td>Value: $200 for first prize $100 for second prize Number: Two first prizes (one poster, one oral presentation) Two second prizes (one poster, one oral presentation)</td>
<td>• Current students in a B.Sc., M.Sc., or Ph.D. program • Performing original research • Co-supervised by a member in the Department of Biological Sciences • Participation in the annual Biology Graduate Research Symposium</td>
<td>• Best symposium presentation (oral or poster)</td>
<td>• Not required • Symposium judges determine prizes</td>
</tr>
<tr>
<td>Dr. John Morgan Prize (Family of Dr. John Morgan)</td>
<td>Value: $200 minimum</td>
<td>• Must have completed a minimum of 10 semester courses at the U of L and enrolled in a B.Sc. program • Preference to those pursuing a medical degree</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Silverwings Physical Education Prize (Endowed by Jess Anderson)</td>
<td>Value: $200 minimum</td>
<td>• A minimum of 18.0 credit hours in the previous fall and spring semesters • Must have a declared major in Kinesiology</td>
<td>• Academic achievement • Must be involved with, or enrolled in, courses related to gymnastics, coaching or individual pursuit sports</td>
<td>• May 1</td>
</tr>
<tr>
<td>Luke Stebbins Prize for Undergraduate Research Achievement (Faculty/Staff in the Department of Biological Sciences)</td>
<td>Value: $200 for first prize $100 for second prize Number: Two first prizes Two second prizes</td>
<td>• Students enrolled in a B.Sc. program • Performing original research and registered in an independent studies or honour’s thesis directly co-/ supervised by a member in Bio.Sc. • Participation in the Undergraduate Research Symposium</td>
<td>• Best symposium presentation</td>
<td>• Not required • Symposium judges determine prizes</td>
</tr>
<tr>
<td>James H. Gray Prize in Western Canadian History (Dr. James H. Gray)</td>
<td>Value: $200 minimum</td>
<td>• Full-time students enrolled in courses emphasizing western Canadian history</td>
<td>• Academic achievement in the western Canadian history course or courses</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

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</table>
| **Psychology Prize** (Dr. Bryan Kolb) | Value: $100 minimum | • Students majoring in Psychology or Neuroscience  
• At least 10 semester courses will have been completed from the Departments of Psychology and Neuroscience  
• Continuing or graduating students | • Academic achievement in courses taken from the Departments of Psychology and Neuroscience | • Not required |
| **Winogene Brandow Carpenter Award in Education** (Dr. and Mrs. W illiam B. Carpenter and family) | Value: $2,400 minimum | • Canadian citizens who graduated from a western Canadian high school - Alberta, British Columbia or Saskatchewan  
• Entering the second year of programs leading to the B.Ed. | • Academic achievement  
• Financial need | • May 1 |
| **Lethbridge ATA Local 41 Scholarship** (Lethbridge Alberta Teachers’ Association, Local 41) | Value: $1,500 minimum | • Students entering the Faculty of Education who have attended high school within the Lethbridge Public School System | • Academic achievement | • May 1 |
| **Peter and Margaret Veer Memorial Award** (Ens family) | Value: $1,500 minimum | • Students entering the Faculty of Education  
• Academic achievement  
• Financial need  
• Good citizenship demonstrated through community involvement | • Financial need | • May 1 |
| **Elmer and Ida Wiens Faculty of Education Bursary** (Estate of Ida Wiens) | Value: $1,500 minimum | • Students enrolled in a B.Ed. program | • Financial need | • May 1 |

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</table>
| French Teacher Education Award  
(Department of Modern Languages)  
* Established through the DELF-DALF Centre in the Department of Modern Languages thanks to a grant from COLEP (Canada-Alberta Official Languages Education Protocol) | Value: $1,250  
Number: Variable | • B.Ed. students majoring in Modern Languages Education: French or French/Spanish or French/German  
• Completion of PSI | • Academic achievement  
• Successful completion of DELF (Diplôme d’Études de Langue Française) B1 or higher | Not required |
| Inez and Maybelle Strong Award in Education  
(Maybelle Strong Lockhart and John Lockhart) | Value: $1,250 minimum | • Must be entering the final year of a Bachelor of Education program  
• Canadian citizen and a resident of southern Alberta, defined as south of Township 35 (Bowden South)  
• Academic achievement  
• Preference given to a student from a rural or small town community | • Academic achievement  
(minimum GPA of 3.00)  
• Community involvement | May 1 |
| Bernard and Frank J. Ackerman Memorial Music Scholarship  
(Joy, Patrick, Robert, and Sandra Ackerman) | Value: $1,000 minimum | • Continuing students in a B.Ed., Music Education major | • Academic achievement | May 1 |
| Echoridge Educational Foundation Scholarship in Education  
(Echoridge Educational Foundation) | Value: $1,000 | • Continuing B.Ed. students who have successfully completed the Professional Semester II requirements  
• Exemplify the high standards of the Professional Code of Conduct | • Academic achievement | May 1  
• Nominated by the Faculty of Education |
| Joan Johnson Memorial Scholarship in Art Education  
(Endowed by Dr. Neal Johnson and Mrs. Jennie Emery in memory of Joan Johnson)  
* Donated in memory of Joan Johnson, weaver and artist | Value: $1,000 minimum | • Students in the Faculty of Education with a declared major in Art  
• First preference to applicants in Professional Semester I | • Academic achievement | May 1 |
| Dr. Helen Manyfingers/Alumni Association Education Award  
(Dr. Helen Manyfingers and UofL Alumni Association)  
* Dr. Manyfingers’ achievements and commitment to her community serve as a role model for Native women, elders, mothers, educators, and political leaders. She was the first alumna to receive a U of L honorary degree | Value: $1,000 | • Third- or fourth-year students enrolled in any undergraduate degree program in the Faculty of Education or second-year students in the B.Ed. After an Approved Degree program  
• Registered members of the Blood Tribe  
• Financial need  
• Academic achievement  
(minimum GPA of 3.00) | • Academic achievement  
• Exemplify the high standards of the Professional Code of Conduct | May 1 |

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| **Dr. Richard Mrazek Memorial Scholarship**  
(Faculty of Education) |
<table>
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</thead>
<tbody>
<tr>
<td><strong>Value:</strong> $1,000 minimum</td>
</tr>
<tr>
<td><strong>Eligibility:</strong> • Continuing Science Education students who have successfully completed the Professional Semester II requirements</td>
</tr>
<tr>
<td><strong>Criteria:</strong> • Academic achievement</td>
</tr>
<tr>
<td><strong>Application:</strong> • May 1</td>
</tr>
</tbody>
</table>

| **Wigham Family Bursary**  
(Darol and Ev Wigham) |
<table>
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</thead>
<tbody>
<tr>
<td><strong>Value:</strong> $1,000 minimum</td>
</tr>
</tbody>
</table>
| **Eligibility:** • Must have completed a minimum of 29 semester course and enrolled in any degree program in the Faculty of Education  
• For one award: preference to students with an interest in early childhood education |
| **Criteria:** • Financial need |
| **Application:** • May 1 |

| **Bachelor of Education Teaching Placement Scholarship**  
(Faculty of Education) |
|------------------------|
| **Value:** $500 to $1,000:  
PSI entrance, $500; PSI entrance and financial need, $1,000; PSI, $500; PSI and financial need, $1,000; PSI rural placement, $1,000; PSI, $500  
PSII, $500; PSII and financial need, $1,000 |
| **Eligibility:** • B.Ed. students registered in PSI, PSII, or PSII |
| **Criteria:** • PSI entrance, PSI, and PSII: academic achievement  
• PSI entrance, PSI: academic achievement and financial need  
• PSII rural placement: academic achievement and teaching placement in a rural school |
| **Application:** • May 1 |

| **First Nations Bachelor of Education Scholarship**  
(Faculty of Education) |
|-------------------------|
| **Value:** $500 to $1,000:  
PSI entrance, $500; PSI entrance and financial need, $1,000; PSI, $500; PSI and financial need, $1,000; PSI, $500; PSI rural placement, $1,000; PSI, $500; PSI and financial need, $1,000 |
| **Eligibility:** • B.Ed. students registered in PSI, PSII, or PSII |
| **Criteria:** • PSI, PSII, and PSIII: academic achievement  
• PSI, PSII, and PSIII: academic achievement and financial need |
| **Application:** • May 1 |

| **Alberta Retired Teachers’ Association Scholarship**  
(Endowed by the Alberta Retired Teachers’ Association) |
<table>
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</thead>
<tbody>
<tr>
<td><strong>Value:</strong> $500 minimum</td>
</tr>
<tr>
<td><strong>Eligibility:</strong> • Students who have successfully completed the Professional Semester II requirements in the previous fall or spring semesters</td>
</tr>
</tbody>
</table>
| **Criteria:** • Academic achievement  
• Demonstrated excellence in student teaching  
• Consideration may also be given to extracurricular activities related to establishing teaching experience |
| **Application:** • May 1 |

| **Education Award of Excellence**  
(U of L alumni and friends) |
<table>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Value:</strong> $500 minimum</td>
</tr>
<tr>
<td><strong>Eligibility:</strong> • Continuing students in the Faculty of Education</td>
</tr>
<tr>
<td><strong>Criteria:</strong> • Academic achievement</td>
</tr>
<tr>
<td><strong>Application:</strong> • Not required</td>
</tr>
</tbody>
</table>

| **EUS Tutoring Scholarship**  
(U of L Education Undergraduate Society) |
|-----------------------------|
| **Value:** $500  
**Number:** Two |
| **Eligibility:** • Successful completion of Professional Semester I |
| **Criteria:** • Academic achievement  
• Commitment to the EUS tutoring program  
• Must have tutored with the program for at least two semesters |
| **Application:** • May 1 |

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</thead>
<tbody>
<tr>
<td>Dorothy Gooder Prize (People First Association of Lethbridge)</td>
<td>Value: $500 minimum</td>
<td>Students graduating from full-time studies in the Faculty of Education who have a special interest and aptitude in the teaching of special needs children</td>
<td>Academic achievement Must show an interest, demonstrated through course work in Special Education and experience with children with special needs during Professional Semester III</td>
<td>Not required</td>
</tr>
<tr>
<td>Julian Guay Memorial Biology Education Scholarship (Family and friends of Dr. Julian Guay)</td>
<td>Value: $500</td>
<td>Students majoring in Biological Sciences who have been admitted to the Faculty of Education Preference to students who have demonstrated an interest in environmental studies</td>
<td>Academic achievement Demonstrated excellence in student teaching (Education 3600) Must have a course grade of at least 'A' in Curriculum and Instruction (Education 3601) for Biological Sciences majors</td>
<td>Not required</td>
</tr>
<tr>
<td>Rita L. Irwin Scholarship for Art Education (Rita L. Irwin, Ed.D.)</td>
<td>Value: $500</td>
<td>B.Ed students with a major in Art Education</td>
<td>Academic Achievement</td>
<td>Not required</td>
</tr>
<tr>
<td>Kimmitt Scholarship (Endowed by Robert Kimmitt)</td>
<td>Value: $500 minimum</td>
<td>Continuing students who have successfully completed the Professional Semester II requirements in the previous fall or spring semesters Preference to students who attended high school in southern Alberta</td>
<td>Excellence in student teaching Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Ruby I. Larson Scholarship in Education (Teaching of the Gifted and Talented) (Dr. Ruby I. Larson)</td>
<td>Value: $500 minimum</td>
<td>A minimum of 29 semester courses in the Faculty of Education Special interest and aptitude in the teaching of the gifted and talented demonstrated through course work</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
</tbody>
</table>

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<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
</table>
| **Elizabeth Stott Memorial Award**  
(Family of Elizabeth Stott)  
- In honour of Elizabeth Stott who was a dedicated schoolteacher in Lethbridge for over 25 years | Value: $500 | • Continuing students in the B.Ed. program who are enrolled in Professional Semester III in the fall or spring semester in which the award is granted | • Financial need  
• Academic achievement | May 1 |
| **Dr. Jim Twa Memorial Scholarship in Education**  
(Estate of Dr. Jim Twa)  
- Established in honour of Jim Twa, retired in 1986 from the U of L Faculty of Education. He had a strong work ethic and high teaching standards | Value: $500 | • Continuing students enrolled in a B.Ed. program | • Academic achievement | May 1 |
| **ULSU Emerging Teachers Award**  
(The Students’ Union, U of L)  
- Established to encourage student involvement and to assist Education students with the cost of PSIII and in their first year of teaching | Value: $500 | • Continuing students in the Faculty of Education, beginning final year, registered for PSIII | • Successful completion of PSII  
• Involvement in on-campus activities in the Faculty of Education, EUS or ULSU  
• Academic achievement | May 1 |
| **Alberta Business Education Association Scholarship**  
(Alberta Business Education Association) | Value: $300 minimum | • Successfully completed 29 semester courses  
• Preference to candidates who are members of the Alberta Business Education Association | • Academic achievement  
• Payable upon confirmation of full-time enrolment in the Faculty of Education with a major in Career and Technology Studies (CTS): Business Focus | May 1 |
| **Phi Delta Kappa Education Scholarship**  
(Southern Alberta Chapter of Phi Delta Kappa) | Value: $300 minimum | • Students enrolled in Professional Semester I in the fall or spring semesters preceding the award | • Academic achievement  
• Promise of teaching excellence | Not required |
| **Ruth Chorley Memorial Prize**  
(Endowed by the friends of the late Ruth Chorley) | Value: $100 minimum | • Must have completed B.Ed. degree requirements during the current academic year with a Professional Semester III focus in Elementary Education | • Academic achievement  
• Superior interaction skills with young children in a classroom during the Professional Semester III  
• The PS III - Elementary Education practicum must be completed at the Kindergarten to Grade 3 level | Not required |
| **EUS Award**  
(U of L Education Undergraduate Society) | Value: $100 Number: Five | • Successful completion of Professional Semester I  
• Must be a student member of the EUS and ATA | • Academic achievement  
• Financial need  
• Community involvement | May 1 |

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UofL in the preceding Fall and Spring semesters.
### Undergraduate Awards

#### d. Fine Arts

Please note that the eligibility and tenure conditions set out in the general criteria under **Section 4 - Undergraduate Awards (p. 477)** pertain unless otherwise stated. All awards are payable to students enrolled in full-time studies in Fine Arts at the University of Lethbridge in the fall semester immediately following the granting of the award, unless otherwise stated.

1. **General**

<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
</table>
| **Abbondanzia Fine Arts Scholarship**  
(Faculty of Fine Arts and Coco Pazzo Italian Café)  
- Abbondanza (Italian for ‘abundance’) is a unique project that partners the Faculty of Fine Arts with a locally owned and operated business, Coco Pazzo Italian Café  
- Completed between 25 and 34 courses toward a B.F.A., B.Mus., New Media or Multidisciplinary or B.Mus.  
- Participation in studio and/or performance-based courses | Value: $3,000 minimum | • Students majoring in Art, Dramatic Arts, Music or Multidisciplinary or B.Mus. program  
• A minimum of 19 semester courses | • Academic achievement (minimum GPA of 3.00)  
• Demonstrated excellence in the studio and/or performance-based courses | • May 1  
• Faculty of Fine Arts will nominate from eligible applicants |
| **Agnes Turcotte Memorial Scholarship**  
(Endowed by the late Louis Sherman Turcotte) | Value: $1,500 minimum | • Students majoring in Art, Dramatic Arts, Music or Multidisciplinary or B.Mus. program  
• A minimum of 19 semester courses | • Academic achievement  
• Outstanding artistic talent | • May 1 |
| **Faculty of Fine Arts Undergraduate Award**  
(Faculty of Fine Arts) | Value: $500 - $1,000  
Number: Variable | • Continuing students in a Faculty of Fine Arts undergraduate degree program | • Demonstrated artistic excellence  
• Academic achievement (minimum cumulative GPA of 2.50 and minimum cumulative GPA of 3.00 in the major discipline (or first stream for Multidisciplinary major)) | • Not required |
| **Nancy Jessop Fine Arts Scholarship**  
(Estate of Walter Jessop) | Value: $1,000 minimum | • Continuing students enrolled in a B.F.A. or a B.Mus. program | • Academic achievement  
• Demonstrated artistic talent | • May 1  
• Faculty of Fine Arts will nominate from eligible applicants |
| **The George and Olive Spinks Scholarship in the Fine Arts**  
(George and Olivia Spinks) | Value: $800 minimum | • No less than 19 semester courses, of which no less than 6 must have been in the Fine Arts  
• Preference to students with a Fine Arts major | • Academic achievement  
• Potential for growth in Art, Dramatic Arts, or Music | • May 1 |
| **Fine Arts Award of Excellence**  
(U of L alumni and friends) | Value: $500 minimum equally distributed amongst Art, Music, New Media, Theatre and Dramatic Arts | • Continuing students in the Faculty of Fine Arts | • Academic achievement | • Not required |
| **Clint Dunford Award in Fine Arts**  
(Clint Dunford) | Value: $500 | • Canadian citizens  
• Must have completed at least 24.0 credit hours while enrolled in the Faculty of Fine Arts  
• Demonstrated aptitude and creativity in Art, Dramatic Arts, or Music  
• Financial need | • Academic achievement  
• Demonstrated aptitude and creativity in Art, Dramatic Arts, or Music  
• Financial need | • May 1 |

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UofL in the preceding Fall and Spring semesters.
### Undergraduate Awards

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
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<th>ELIGIBILITY</th>
<th>CRITERIA</th>
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</tr>
</thead>
</table>
| Sharon and Art Ferrari Award  
(Sharon Stevenson-Ferrari and Art Ferrari)  
• Sharon Stevenson-Ferrari and Art Ferrari are both alumni and strong supporters of the U of L | Value: $500 minimum | • Canadian citizens  
• Must have completed at least 24.0 credit hours while enrolled in the Faculty of Fine Arts | • Academic achievement  
• Financial need | • May 1 |
| Lucky Star Guitars/Geomatic Attic Fine Arts Award  
(Lucky Star Guitars and Geomatic Attic)  
• Lucky Star Guitars and Geomatic Attic are prominent supporters of local and visiting musical acts. They are annually supporting a student art project of an album cover | Value: $250 | • Continuing or graduating undergraduate students in any Fine Arts undergraduate program | • Artistic potential  
• Academic achievement (minimum GPA of 2.50) | • Application submitted to Faculty of Fine Arts includes a portfolio of work  
• Selection by committee |
| Lubov Alexandra de Grandmaison Scholarship - Fine Arts  
(Endowed by the late Lubov Alexandra de Grandmaison)  
• Lubov Alexandra de Grandmaison bestowed to the U of L Art Collection 10 pastel drawings by her late father, Nicholas de Grandmaison | Value: $2,000 | • Native students majoring in Art | • Academic and artistic achievement  
• Financial need may be considered | • May 1 |
| Visual Arts Founding Faculty Award  
(Friends of the Art Department Founding Faculty Members)  
• Established in appreciation of the first U of L Art Department Faculty including Herb Hicks, Larry Weavers, Billy McCarroll, Jeff Olson, Charlie Crane, Carl Granzow and Pauline McGee | Value: $1,500 | • Continuing students in any undergraduate degree program who have completed a minimum of 60 credits | • Demonstrated achievement in Studio Art courses in traditional media  
• Academic achievement | • Not required  
• Nominated and selected by a Faculty of Fine Arts committee |
| Mary Annis Award in Studio Art  
(Mary Annis)  
• Mary Annis, an alumna, established this award to encourage student understanding of the fundamentals of art, the pursuit of aesthetic expression, and creative activity | Value: $1,200 minimum | • At least third-year standing in a B.F.A. - Art, Art Studio major  
• Completion of required Art courses (for year of program) | • Academic achievement in introductory Art courses  
• Financial need  
• Explanation of role and value of creative activity  
• Preference given to students completed or enrolled in Drawing II/III | • Separate application required  
• Selection by committee within the Art Department |
| John Clark Scholarship in Art  
(Friends and colleagues of John Clark) | Value: $500 minimum | • Students entering their fourth year of study toward a B.F.A. - Art degree | • Meritorious achievement in painting | • Not required |

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UoL in the preceding Fall and Spring semesters.
## Undergraduate Awards

### Awards and Scholarships

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</thead>
<tbody>
<tr>
<td><strong>Lubov Alexandra de Grandmaison Scholarship</strong> - Part-Time Studies in Fine Arts (Endowed by the late Lubov Alexandra de Grandmaison)</td>
<td>Value: $500</td>
<td>• Native students majoring in Art • A minimum of two and no more than 7.5 graded courses in the fall and spring semesters immediately preceding the granting of the award</td>
<td>• Academic and artistic achievement • Financial need may be considered</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Gordon Mantle Memorial Scholarship in Art</strong> (Edythe Mantle Smith, in loving memory of her husband Gordon)</td>
<td>Value: $500 minimum</td>
<td>• Preference to students who are completing their first year of study</td>
<td>• Academic achievement • Aptitude and interest in studio art</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>George Varzari Sculpture Award</strong> (National Salvage)</td>
<td>Value: $250</td>
<td>• Must be presently enrolled in a sculpture course</td>
<td>• Outstanding accomplishment in the area of sculpture • The work or body of works must have been sculptured during the current academic year</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Department of Art Prize</strong> (Department of Art, U of L)</td>
<td>Value: $200 minimum</td>
<td>• Students with a declared major in Art • Preference to students who have completed at least 19 semester courses</td>
<td>• Academic achievement • Artistic ability</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

### 3. Dramatic Arts

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td><strong>Sharon L. Peat Scholarship in Dramatic Arts</strong> (Gail A. DeMontigny and friends)</td>
<td>Value: $1,000</td>
<td>• Fourth-year B.F.A. - Dramatic Arts students • Preference given to students who intend to pursue a Graduate Studies program and a career in the arts</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>Leo and Phyllis Singer Award in Costuming</strong> (Estate of Phyllis and Leo Singer)</td>
<td>Value: $1,000</td>
<td>• Continuing students enrolled in a B.F.A. - Dramatic Arts Technical/Design major with a focus on costuming</td>
<td>• Ability and interest in the costuming area, e.g., sewing, fashion, costume construction, or costume design • Academic achievement</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UoL in the preceding Fall and Spring semesters.
### Undergraduate Awards

#### AWARDS AND SCHOLARSHIPS

**David and Jo Spinks Award in Dramatic Arts**  
(David and Jo Spinks)  
- David Spinks was a founding professor and the first Chair of the U of L Dramatic Arts Department. He has a special interest in theatre for young audiences  
- Value: $1,000  
- Number: Two  
- Third- or fourth-year students in any undergraduate degree program with a drama-related major  
- Academic achievement (minimum GPA of 3.00) and a strong participation record in the U of L theatre productions  
- May 1

**Peter Ustinov Scholarship in Dramatic Arts**  
(Dr. Peter Ustinov)  
- Value: $1,000 minimum  
- Preference to students who have completed a minimum of 29 semester courses majoring in Dramatic Arts  
- Academic achievement  
- Artistic ability in Dramatic Arts  
- Not required  
- May 1

**George Ryga Memorial Scholarship**  
(Department of Theatre and Dramatic Arts, U of L)  
- Value: $800 minimum  
- Preference to students who have completed no less than 10 and no more than 19 semester courses, who are enrolled in the B.F.A. - Dramatic Arts program or who have a major in Dramatic Arts, and who have participated in one or more productions of the U of L Department of Theatre and Dramatic Arts  
- Academic achievement  
- Potential for development in Dramatic Arts  
- May 1

**Iwata Award in Dramatic Arts**  
(Mr. Junjiro Iwata)  
- Value: $500 minimum  
- Students who have completed 19 semester courses majoring in Dramatic Arts in the B.A. or B.F.A. program or in Drama Education  
- Academic achievement  
- Artistic ability in Dramatic Arts  
- Financial need  
- May 1

#### 4. Music

**Joyce and Ron Sakamoto Prize for Research and Development in Digital Audio Arts**  
(Joyce and Ron Sakamoto)  
- Successful music business professionals and long-time supporters of the Department of Music at the U of L, the Sakamotos have established this award to encourage gifted music students to pursue careers in the digital audio arts  
- Value: $5,000  
- Full-time students who will have successfully completed a minimum 19 semester courses in a B.Mus. program with a declared major in Digital Audio Arts at the time the research is undertaken  
- An outstanding research proposal submitted by a student or team of students who will be completing the research for course credit  
- Demonstrated proficiency in Digital Audio Arts measured by academic achievement, exemplary creative work, overall ability and/or potential  
- March 31st  
- Must include the research proposal from the student or team and supporting documentation from the research supervisor  
- Selection by Department of Music

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Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UofL in the preceding Fall and Spring semesters.
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</thead>
</table>
| **Clear Sky Radio Music Award**  
(Clear Sky Radio Inc.)  
- Clear Sky Radio Inc., the owner/operator of CJOC-FM “94.1 The Lounge” in Lethbridge, established this award to provide support to music students at the U of L | Value: Up to $2,500  
Number: Variable | - Students entering or continuing in the B.Mus. program  
- Academic achievement | - Not required  
- Nomination by Department of Music | |
| **Evelyn Beattie Memorial Music Scholarship**  
(David Renter, Diane and Jergen Renter)  
- David Renter, his siblings and his parents wish to pay tribute to David's grandmother, Evelyn Beattie, who was instrumental in David's musical education including his undergraduate degree at the U of L | Value: Up to $1,500 | - Students entering second-year in a B.Mus. program with the instrument of saxophone or piano.  
- If no candidates, brass or woodwind instruments will also be considered along with students who are entering third year | - Academic achievement  
- Demonstrated ability and potential in music performance | May 1  
- Applications reviewed by Department of Music |
| **Hembroff Music Performance Award**  
(The Honourable Mr. Justice Vaughan and Mrs. Marilyn Hembroff)  
- As patrons of the arts, the Hembroffs have established this award to encourage gifted students to pursue careers in the music performance arts | Value: $1,500 each for two awards  
$1,000 each for three awards  
Number: Two or three | - Full-time students enrolled in their third or final year of a B.Mus. program  
- Enrolled in Music Studio courses  
- Proficiency in music performance, as determined by studio courses  
- Academic achievement  
- Financial Need | May 1  
- Not required  
- Nomination by Department of Music |
| **Tom Lavers Memorial Music Award**  
(Leslie, Alyson, and Daphne Lavers)  
- Leslie, Alyson and Daphne Lavers wish to honour their father Tom Lavers who had a life-long love for music | Value: $1,500 minimum | - Continuing students majoring in Music and specializing in voice  
- Preference to bass or bass/baritone voice students with a second preference to tenors  
- Academic achievement  
- Demonstrated ability and potential in voice performance | Not required  
- Nomination by Department of Music | |
| **Digital Audio Arts Undergraduate Award**  
(Faculty of Fine Arts) | Value: $500 - $1,000  
Number: Variable | - Continuing undergraduate students in a B.Mus. with a major in Digital Audio Arts  
- Demonstrated artistic excellence  
- Academic achievement (minimum cumulative GPA of 2.50 and minimum cumulative GPA of 3.00 in Music courses) | Not required | |
| **Intermezzo Classical Voice Award**  
(Dr. Doug Myhre)  
- Award supports the growth and enrichment of the classical voice student by providing funds for any single experience for vocal development | Value: $1,000 | - B.Mus. students with voice as the instrument  
- Participation in an activity, experience, or opportunity to enhance vocal development  
- Preference to second- or third-year students  
- Academic achievement (minimum GPA of 3.00)  
- Financial need  
- Preference to community involvement | January 31  
- Application includes audition DVD, two letters of recommendation, proposal of enhanced experience, and 250-word essay | |

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UofL in the preceding Fall and Spring semesters.
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<tbody>
<tr>
<td>Phyllis Mary McDonell Memorial Scholarship (Endowed by the late Phyllis McDonell)</td>
<td>Value: $1,000 minimum</td>
<td>• Students with a declared major in Music</td>
<td>• Must have been enrolled in a Music Studio course in both the fall and spring semesters</td>
<td>Not required</td>
</tr>
<tr>
<td>Joyce and Ron Sakamoto Digital Audio Arts Award (Joyce and Ron Sakamoto)</td>
<td>Value: Up to $1,000</td>
<td>• Full-time students continuing in the B.Mus. program with a major in Digital Audio Arts</td>
<td>• Demonstrated proficiency in Digital Audio Arts measured by academic achievement, exemplary creative work, overall ability and/or potential</td>
<td>Not required</td>
</tr>
<tr>
<td>Lucky Star Guitars/Geomatic Attic Digital Audio Arts Award (Lucky Star Guitars and Geomatic Attic)</td>
<td>Value: $750 Number: One (Value may be shared equally by two recipients)</td>
<td>• Continuing or graduating undergraduate students majoring in Digital Audio Arts</td>
<td>• Artistic potential</td>
<td>Application submitted to Faculty of Fine Arts includes a portfolio of work</td>
</tr>
<tr>
<td>Clare C. Simpson Memorial Scholarship (Endowed by Mrs. Dagmar Simpson in memory of her late husband)</td>
<td>Value: $400 minimum</td>
<td>• Students majoring in Music in a B.A. program, Music Education in a B.Ed. program, or following a B.Mus. program</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>William and May Jasman Scholarship (Mrs. May Jasman)</td>
<td>Value: $300 minimum</td>
<td>• Completed at least 30.0 credit hours • Must have a declared major in Music</td>
<td>• Must have been enrolled in a Music Studio course in both the fall and spring semesters • Preference to a student from Lethbridge and area</td>
<td>May 1</td>
</tr>
<tr>
<td>Jean C. Pickard Memorial Scholarship (Endowed by Mr. J.W. Pickard in memory of his late wife Jean C. Pickard)</td>
<td>Value: $200 minimum</td>
<td>• Must be majoring in Music and enrolled in Music Studio courses studying an instrument • Preference to a Cellist</td>
<td>• Academic achievement • Proficiency as an instrumentalist</td>
<td>May 1</td>
</tr>
</tbody>
</table>

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**Undergraduate Awards**

Please note that the eligibility and tenure conditions set out in the general criteria under **Section 4 - Undergraduate Awards (p. 477)** pertain unless otherwise stated. All awards are payable to students enrolled in full-time studies in Health Sciences at the University of Lethbridge in the fall semester immediately following the granting of the award, unless otherwise stated.

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</thead>
<tbody>
<tr>
<td><strong>New Sun - Joy Harvie Maclaren Award in Health Sciences</strong> <em>(J. Maclaren, The Calgary Foundation)</em></td>
<td>Value: $5,000</td>
<td>Health Sciences students interested in traditional native culture</td>
<td>Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Preference given to students in the Nursing program</td>
<td>Academic achievement (minimum GPA of 3.00, 60 percent course load)</td>
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<td></td>
<td></td>
<td>First Nations, Métis, or Inuit ancestry</td>
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<td>Must submit a brief summary demonstrating involvement in reviving and participating in traditional native culture</td>
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</tr>
<tr>
<td><strong>AstraZeneca Aboriginal Nursing Award</strong> <em>(Frontline Health Program of AstraZeneca)</em></td>
<td>Value: $4,000</td>
<td>Nursing students entering or continuing in an accredited clinical experience program related to Aboriginal health</td>
<td>Commitment to gaining clinical experience in an Aboriginal setting</td>
<td>Not required</td>
</tr>
<tr>
<td></td>
<td>Number: One per semester</td>
<td>Preference given to FNMI students</td>
<td>Achievement assessed according to the clinical experience program requirements</td>
<td>Nominated by the Faculty of Health Sciences</td>
</tr>
<tr>
<td><strong>&quot;For the Love of It&quot; Award for Nursing Excellence</strong> <em>(Proceeds from the 2009 Calendar Project)</em></td>
<td>Value: $2,000</td>
<td>B.N. students who have completed their third year in the B.N. program</td>
<td>Excellence in Nursing demonstrated in the practicum and classroom</td>
<td>Not required</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Satisfactory academic achievement</td>
<td>Nominated by committee</td>
</tr>
<tr>
<td><strong>The Joe Ghert Memorial Scholarship in Nursing</strong> <em>(Mrs. B. Ghert)</em></td>
<td>Value: $1,800 minimum</td>
<td>Must be entering the final year of the B.N. program</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td><strong>Frank M. and Lila Linn Thompson Prize</strong> <em>(Estate of Frank M. Thompson)</em></td>
<td>Value: $1,700</td>
<td>Students graduating from the Faculty of Health Sciences</td>
<td>Highest cumulative GPA among spring or preceding fall graduates of the Faculty of Health Sciences during that academic year</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>R.E. (Robert) and Mildred Shackleford Award</strong> <em>(Mrs. Mildred Shackleford)</em></td>
<td>Value: $1,500 minimum</td>
<td>Must be in at least third year of the B.N. program</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
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<td></td>
<td></td>
<td>Must have completed a minimum of five semester courses at the U of L</td>
<td>Financial need</td>
<td>May receive award only once</td>
</tr>
</tbody>
</table>

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UoL in the preceding Fall and Spring semesters.
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<tr>
<td>University of Lethbridge Alumni Association Scholarship in Nursing (U of L Alumni Association)</td>
<td>Value: $1,300 minimum</td>
<td>A minimum of nine graded courses in the B.N. program, at least five of these taken at the U of L</td>
<td>Academic achievement and proficiency in the Nursing Practice course(s)</td>
<td>May 1</td>
</tr>
<tr>
<td>Frank M. and Lila Linn Thompson Nursing Scholarship (Estate of Frank M. Thompson)</td>
<td>Value: $1,200 minimum</td>
<td>Must be entering the final year of the B.N. program</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Bachelor of Nursing After Degree Program Scholarship (Veronica E. Kenwood, R.N.)</td>
<td>Value: $1,000 minimum</td>
<td>Must be entering the final year of the B.N. After Degree program</td>
<td>Academic achievement</td>
<td>June 15</td>
</tr>
<tr>
<td>Anna Elgby Memorial Award (Faculty of Health Sciences, friends and family)</td>
<td>Value: $1,000</td>
<td>Third-year B.N. students</td>
<td>Academic achievement</td>
<td>June 15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strong demonstrable record of volunteerism</td>
<td>Preference given to those from Saskatchewan</td>
<td></td>
</tr>
<tr>
<td>Public Health Award (Faculty of Health Sciences)</td>
<td>Value: $1,000 Number: Variable</td>
<td>All third-year B.H.Sc. Public Health students who received the Public Health Entrance Award</td>
<td>Recipients must have a minimum cumulative GPA of 2.00 and a minimum combined GPA of 2.50 in their Health Sciences and Public Health courses</td>
<td>Not required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Must have completed a minimum of 9.0 credit hours per semester at the U of L during the previous fall/spring semesters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Health Travel Award (Faculty of Health Sciences)</td>
<td>Value: $1,000 Number: Variable</td>
<td>B.H.Sc. Public Health students registered in PUBH 4550 or PUBH 4995</td>
<td>Academic good standing as measured by the Faculty of Health Sciences</td>
<td>October 1 (fall semester travel)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Confirmed practicum placement or thesis research work located outside of a 500 km commuting distance from Lethbridge</td>
<td>February 1 (spring semester travel)</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>May receive award once</td>
<td></td>
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<td>Marie Sandham Award</td>
<td>$1,000</td>
<td>Continuing students in the B.N. or B.N. After Degree program (attending full-time at the U of L)</td>
<td>Academic achievement, Financial need</td>
<td>May 1</td>
</tr>
<tr>
<td>Southern Alcare Manor Award in Addictions Counselling</td>
<td>$1,000</td>
<td>Continuing students pursuing a B.H.Sc. - Addictions Counselling program</td>
<td>Outstanding performance in the first internship</td>
<td>Not required</td>
</tr>
<tr>
<td>Charlotte Gregory Memorial Scholarship</td>
<td>$900 minimum</td>
<td>Students enrolled in the Faculty of Health Sciences</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Penny Anne Turner Memorial Scholarship</td>
<td>$900 minimum</td>
<td>Must have completed the first three years of the B.N. program and be returning to complete the fourth year</td>
<td>Nominations will be sought from classmates for the student who demonstrates the most positive leadership abilities</td>
<td>Not required</td>
</tr>
<tr>
<td>Frank M. and Lila Linn Thompson Scholarship for Part-Time Studies in Nursing</td>
<td>$600 minimum</td>
<td>Students entering the final year of the B.N. program, who have completed a minimum of eight courses while enrolled as part-time students in the Faculty of Health Sciences at the U of L</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>CAT Award - Faculty of Health Sciences Nursing</td>
<td>$500</td>
<td>Full-time students enrolled in the B.N. program who have successfully completed third-year requirements</td>
<td>Outstanding performance and abilities in three major focus areas: Clinical competence, Attributes of caring, True spirit of Nursing</td>
<td>Not required</td>
</tr>
</tbody>
</table>

Unless otherwise stated, to be eligible for undergraduate awards candidates must have completed a minimum of 24.0 credit hours at the UofL in the preceding Fall and Spring semesters.
<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences Award of Excellence</td>
<td>Value: $500 minimum</td>
<td>• Continuing students in the Faculty of Health Sciences</td>
<td>• Academic achievement</td>
<td>• Not required</td>
</tr>
<tr>
<td>(U of L alumni and friends)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florence Ruff Memorial Award</td>
<td>Value: $500</td>
<td>• Students in at least third-year standing of the B.N. program with an interest in palliative care</td>
<td>• Financial need</td>
<td>• May 1 (continuing students)</td>
</tr>
<tr>
<td>(Ruff family—Walter Ruff, Blair and Laurie Ruff, Joe and Leslie Gatner)</td>
<td></td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td>• June 15 (transfer students)</td>
</tr>
<tr>
<td>• The Ruff family are dedicating this award in memory of Florence Ruff who passed away in 1998</td>
<td></td>
<td></td>
<td>• A brief statement describing the involvement or interest in palliative care must be submitted</td>
<td></td>
</tr>
<tr>
<td>Henry Bergen - GEN Manufacturing Ltd. Award</td>
<td>Value: $500 minimum</td>
<td>• Continuing students in a B.N. or B.H.Sc. - Addictions Counselling program</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>(GEN Manufacturing Ltd. and the UofL Faculty of Health Sciences)</td>
<td></td>
<td>• Resides in, or has just moved from, a rural or small town community prior to starting at the U of L</td>
<td>• Financial need</td>
<td>• May receive award only once</td>
</tr>
<tr>
<td>• In 1948, Henry Bergen and family left war-torn Germany for a new life in Canada. He worked many years for the Lethbridge Research Centre, then established GEN Manufacturing Ltd. in 1968</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helen Morgan Community Health Award</td>
<td>Value: $300 minimum</td>
<td>• Students enrolled in the Faculty of Health Sciences</td>
<td>• Academic achievement</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Family of the late Helen Morgan)</td>
<td></td>
<td></td>
<td>• Demonstrated interest in Community Health through employment or volunteer work in the field</td>
<td></td>
</tr>
<tr>
<td>• Donated in memory of Helen Morgan in recognition of her extensive volunteer work with local community health groups</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Management

Please note that the eligibility and tenure conditions set out in the general criteria under Section 4 - Undergraduate Awards (p. 477) pertain unless otherwise stated. All awards are payable to students enrolled in full-time studies in Management at the University of Lethbridge in the fall semester immediately following the granting of the award, unless otherwise stated.

1. Entrance

<table>
<thead>
<tr>
<th>John Davis Scholarship</th>
<th>Value: $2,500</th>
<th>Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made.</th>
<th>Academic proficiency as measured by the Faculty of Management admission average</th>
<th>Not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Friends of John Davis)</td>
<td>Number: Two</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• John Davis is a long-standing, well-respected Southern Alberta businessman and owner of numerous auto dealerships. He has shared his success by supporting numerous local charities and organizations, particularly in the area of amateur sports.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Philip North Scholarship</th>
<th>Value: $2,000 minimum</th>
<th>Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made.</th>
<th>Academic proficiency as measured by the Faculty of Management admission average.</th>
<th>Community and/or athletic involvement</th>
<th>March 15 (high school applicants), May 1 (continuing students admitted in Spring), June 15 (transfer students)</th>
<th>Nominated by the Faculty of Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Friends of Philip North)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• R. Philip M. North QC, co-founder of North &amp; Co. LLP, is a model of dedication to his profession, community and the U of L.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Christine Van Raay Scholarship</th>
<th>Value: $1,500 minimum</th>
<th>Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made.</th>
<th>Academic proficiency as measured by the Faculty of Management admission average</th>
<th>Not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Cor Van Raay)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Established in loving memory of Christine by husband Cor. After emigrating from Europe, Cor and Christine met, married and founded what became one of Canada's largest individually owned cattle operations.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Andy Anderson Scholarship</th>
<th>Value: $1,000 minimum</th>
<th>Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made.</th>
<th>Academic proficiency as measured by the Faculty of Management admission average</th>
<th>Not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Friends of Andy Anderson)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Andy Anderson served Lethbridge for 22 years, during which period he held the Office of Mayor from March, 1968 to October, 1986</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Del Allen Scholarship</th>
<th>Value: $1,000 minimum</th>
<th>Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made.</th>
<th>Academic proficiency as measured by the Faculty of Management admission average</th>
<th>Not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Friends of Del Allen)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• The success of D.A. Electric, in combination with Del Allen's values and sense of community, have allowed him to contribute much to numerous organizations and clubs in the Lethbridge area. He was given a 'key to the city' and was designated &quot;Citizen of the Year&quot;.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Title and Donor</td>
<td>Value and Number</td>
<td>Eligibility</td>
<td>Criteria</td>
<td>Application</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>------------------</td>
<td>-------------</td>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>Art Batty Scholarship</strong></td>
<td>$1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made • Preference will be given to students with a documented disability</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• March 15 (high school applicants) • May 1 (continuing students admitted in spring) • June 15 (transfer students) • Documentation required or registration with Accommodated Learning Centre</td>
</tr>
<tr>
<td><strong>Van and Helen Christou Scholarship</strong></td>
<td>$1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Richard Davidson, Q.C. Scholarship</strong></td>
<td>$1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>George B. Davies Jr. Scholarship</strong></td>
<td>$1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Clint Dunford Scholarship</strong></td>
<td>$1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made • Community involvement</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• March 15 (high school applicants) • May 1 (continuing students admitted in Spring) • June 15 (transfer students) • Nominated by the Faculty of Management</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>UNDERGRADUATE AWARDS</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reed C. and Eva Ellison Memorial Scholarship (Friends of Reed and Eva Ellison)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td>Leonard Haney Scholarship (Friends of Leonard Haney)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td>Cleve Hill Scholarship (Friends of Cleve Hill)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td>Robin Hood Scholarship (Friends of Robin Hood)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td>Dr. David Hughes Scholarship (Friends of Dr. David Hughes)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gary Kirk Scholarship</strong> (Friends of Gary Kirk)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Rex and Marjorie Little Scholarship</strong> (Friends of Rex and Marjorie Little)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Dale A. Martin Sr. Family Scholarship</strong> (Friends of Dale A. Martin Sr.)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Val and Flora Matteotti Scholarship</strong> (Friends and family of Val and Flora Matteotti)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Bruce Milliken Scholarship</strong> (Friends and family of Bruce Milliken)</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
</table>
| **Stubb Ross Scholarship**  
(Friends of Stubb Ross)  
• Stubb Ross founded Time Air in 1966. He was inducted into the Order of Canada in 1983 and the Alberta Aviation Hall of Fame in 1986 | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |
| **Ron Sakamoto Scholarship**  
(Friends of Ron Sakamoto)  
• Ron Sakamoto is the founder and owner of Gold and Gold Productions | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |
| **Dr. Yoshio and Florence Senda Scholarship**  
(Friends of Yosh and Florence Senda)  
• Dr. Yoshio Senda (LLD '89) and his wife, Florence, have dedicated their lives to building the sport of judo in Lethbridge | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |
| **Logan Tait Scholarship**  
(Friends of Logan Tait)  
• Logan Tait is a long-time Lethbridge resident, Chartered Accountant and realtor/business owner whose love of his family and success in the sporting world are matched by his service to his profession and the community | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |
| **Time Air Scholarship**  
(Time Air Inc.)  
• Founded by Stubb Ross in 1966, Time Air grew from a small local air carrier to an important component of the airline network serving western Canada | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |
| **Cor Van Raay Scholarship**  
(Friends of Cor Van Raay)  
• Cor Van Raay is known for his many philanthropic and charitable activities. He received a Lifetime Achievement Award from the Alberta Cattle Feeders in 2011 and was recently granted the Queen's Diamond Jubilee Medal for his significant contributions to the beef industry, his community and country | Value: $1,000 minimum | • Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made | • Academic proficiency as measured by the Faculty of Management admission average | • Not required |

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### Undergraduate Awards

#### AWARDS AND SCHOLARSHIPS

<table>
<thead>
<tr>
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<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>John Williams Scholarship</strong>  &lt;br&gt; (Friends of John Williams)  &lt;br&gt; • One of the first three Chartered Accountants in Lethbridge, John Williams helped to shape the growth of the profession in the city</td>
<td>Value: $1,000 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>The Honourable Senator Joyce Fairbairn Scholarship</strong>  &lt;br&gt; (Friends of Senator Joyce Fairbairn)  &lt;br&gt; • Joyce Fairbairn was appointed to the Senate for the Province of Alberta in June 1984. In November 1993, Senator Fairbairn was appointed to the Privy Council and was the first woman to be named Leader of the Government in the Senate and Minister with Special Responsibility for Literacy</td>
<td>Value: $900 minimum</td>
<td>• Entering students admitted to the Faculty of Management undergraduate degree program either in the spring preceding the award or the fall in which it is to be made</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
<tr>
<td><strong>Vincent Menard Memorial Scholarship</strong>  &lt;br&gt; (Endowed by Mrs. L.D. Menard in memory of her late husband, Vincent Menard)</td>
<td>Value: $300 minimum</td>
<td>• Preference will be given to a graduate of the U of L Faculty of Health Sciences</td>
<td>• Academic proficiency as measured by the Faculty of Management admission average</td>
<td>• Not required</td>
</tr>
</tbody>
</table>

2. Accounting/Finance

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>George A. Young C.A. Memorial Scholarship</strong>  &lt;br&gt; (Mrs. Kathleen A. Young)  &lt;br&gt; • George A. Young was the first Lethbridge-born C.A. to train and practice his entire life in Lethbridge</td>
<td>Value: $2,250</td>
<td>• Students majoring in Accounting who have a minimum of 29 graded semester courses  &lt;br&gt; • Intent to become a Chartered Accountant</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td><strong>The Chartered Accountants Lethbridge Scholarship</strong>  &lt;br&gt; (Alberta's Chartered Accountants through the Chartered Accountants’ Education Foundation)</td>
<td>Value: $1,000 minimum</td>
<td>• Accounting majors who have successfully completed a minimum of 29 graded semester courses  &lt;br&gt; • Academic achievement  &lt;br&gt; • Athletic, social and service activities may be considered</td>
<td>• May 1</td>
<td></td>
</tr>
<tr>
<td><strong>MNP LLP Scholarship</strong>  &lt;br&gt; (MNP LLP)</td>
<td>Value: $1,000</td>
<td>• A minimum of 29 semester courses  &lt;br&gt; • Must show intent to continue studies toward the profession of Accountancy</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
</tbody>
</table>

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<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young Parkyn McNab LLP Chartered Accountants Scholarship (Young, Parkyn, McNab)</td>
<td>Value: $1,000</td>
<td>• Must have graduated from a high school situated south of Calgary &lt;br&gt;• A minimum of 29 semester courses &lt;br&gt;• Intent to become a Chartered Professional Accountant</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Lethbridge and District Chartered Accountants’ Association Scholarship (Lethbridge and District Chartered Accountants’ Association)</td>
<td>Value: $800 minimum</td>
<td>• Must have completed the requirements of the B.Mgt. degree and must have been enrolled in full-time studies at the U of L in the final year</td>
<td>• Awarded to the student graduating with a major in Accounting and the highest GPA among all Accounting students in the Faculty of Management</td>
<td>• Not required</td>
</tr>
<tr>
<td>Accounting Scholarship (Anonymous)</td>
<td>Value: $600 minimum</td>
<td>• A minimum of 29 graded semester courses and declared a major in Accounting &lt;br&gt;• Must be an Alberta resident</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>Certified Management Accountants of Alberta Scholarship (Certified Management Accountants of Alberta)</td>
<td>Value: $600 minimum</td>
<td>• Students majoring in Accounting who have a minimum of 29 graded semester courses &lt;br&gt;• Intent to become a Certified Management Accountant</td>
<td>• Academic achievement &lt;br&gt;• Demonstrated leadership qualities through extracurricular contributions to campus or community</td>
<td>• May 1</td>
</tr>
<tr>
<td>Financial Services/ Materials Management Award (U of L Financial Services and Materials Management Employees)</td>
<td>Value: $500</td>
<td>• Second-year B.Mgt. students majoring in Accounting</td>
<td>• Academic achievement &lt;br&gt;• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td>Petroleum Accountants Society of Canada Bursary (Petroleum Accountants Society of Canada)</td>
<td>Value: $500</td>
<td>• Continuing or graduating undergraduate students majoring in Accounting</td>
<td>• Financial need</td>
<td>• May 1</td>
</tr>
<tr>
<td>KPMG, Chartered Accountants - A.W. Bell Memorial Scholarship (KPMG, Chartered Accountants)</td>
<td>Value: $400 minimum</td>
<td>• A minimum of 19 semester courses &lt;br&gt;• Preference to students interested in Accountancy as a profession</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
<tr>
<td>KPMG, Chartered Accountants - R.M. Tanner Memorial Scholarship (KPMG, Chartered Accountants)</td>
<td>Value: $400 minimum</td>
<td>• A minimum of 29 semester courses &lt;br&gt;• Preference to students interested in Accountancy as a profession</td>
<td>• Academic achievement</td>
<td>• May 1</td>
</tr>
</tbody>
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### Undergraduate Awards

#### AWARDS AND SCHOLARSHIPS

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3. First Nations’ Governance</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **New Sun - Joy Harvie Maclaren Award in Management** (J. Maclaren, The Calgary Foundation)  
- In honour of Madeline Dion Stout who earned a BN from the U of L. She works as a researcher, writer and lecturer on Aboriginal health and health care.  
- Value: $4,500  
- Continuing students interested in traditional native culture  
- Preference given to students in the Faculty of Management First Nations’ Governance program  
- First Nations, Métis, or Inuit ancestry  
- Financial need  
- Academic achievement (minimum GPA of 2.50, 60 percent course load)  
- May 1  
- Must submit a brief summary demonstrating involvement in reviving and participating in traditional native culture | | | | |
| **Imperial Oil Limited Award** (Imperial Oil Limited)  
- Value: $1,000 minimum  
- New or continuing students in the Faculty of Management First Nations’ Governance program  
- Academic achievement  
- Overall performance and commitment to the objectives of the Native Management program  
- Not required | | | | |
| **Shell Award in Native Management** (Shell Canada Limited)  
- Value: $1,000 minimum  
- New or continuing students in the Faculty of Management First Nations’ Governance program  
- Academic achievement  
- Overall performance and commitment to the objectives of the Native Management program  
- Not required | | | | |
| **Vern Eagle Bear Memorial Scholarship** (Family and Friends of Vern Eagle Bear)  
- This award is offered in memory of Vern Eagle Bear, from the Blood Reserve, who was finishing a Management Certificate in Business Enterprises and Self-Governing Systems of Indian, Inuit and Métis Peoples (B.E.S.S.) at the time of his death  
- Value: $250 minimum  
- New or continuing students in the Faculty of Management First Nations’ Governance program  
- Academic achievement  
- Overall performance and commitment to the objectives of the Native Management program  
- Not required | | | | |
| **4. Marketing** |
| **Heil-Stanger Scholarship in Marketing** (The Heil Family)  
- Value: $1,000  
- Students with a declared major in Marketing  
- Preference to students who are not receiving other awards from the U of L  
- Academic achievement  
- May 1 | | | | |
| **Onitsuka Scholarship** (Mr. Kihachiro Onitsuka)  
- Value: $500 minimum  
- Preference to those whose program has a strong emphasis in international marketing  
- Academic achievement  
- May 1 | | | | |

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### Undergraduate Awards

#### Zhan'wen Kwan Scholarship
(Wayne and Rhonda Kwan)
- In honour of Cheung Zhan'wen Kwan, the father of Wayne Kwan. Wayne and his wife Rhonda have owned and operated the Hiroba food outlet at the U of L since 1991. The close friendships established with students from around the world are very special to them.

<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zhan'wen Kwan Scholarship</td>
<td>Value: $2,500 minimum</td>
<td>B.Mgt. students majoring in International Management</td>
<td>Academic achievement</td>
<td>Not required</td>
</tr>
</tbody>
</table>

#### “Make a Difference” Scholarship for Outstanding Student Leadership in Management
(Faculty of Management)
- This scholarship was created to applaud the leadership and initiative shown by student leaders who have ‘made a difference’.

<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>“Make a Difference” Scholarship for Outstanding Student Leadership in Management</td>
<td>Value: $2,000</td>
<td>B.Mgt. students who have successfully completed a minimum of 30 graded semester courses</td>
<td>Demonstrated leadership and demonstrated initiative in academic and extra-curricular activities</td>
<td>November 15 Separate application available from the Faculty of Management</td>
</tr>
</tbody>
</table>

#### Edith Harris Management Bursary
(Cole Harris - Centron Construction)
- Cole Harris is a U of L Management alumnus and President of the Centron Group of Companies, a development and construction company in Calgary. This award is established in recognition of his grandmother, Edith.

<table>
<thead>
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<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edith Harris Management Bursary</td>
<td>Value: $2,000</td>
<td>Continuing B.Mgt. students</td>
<td>Financial need (minimum GPA of 2.50)</td>
<td>May 1</td>
</tr>
</tbody>
</table>

#### Alcoa Foundation/Kawneer Company Canada Ltd. International Management Scholarship
(Kawneer Company Canada Ltd.)
- CPTS was established in 1955 as an independent educational society specializing in the taxation of the oil and gas industry.

<table>
<thead>
<tr>
<th>Title and Donor</th>
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<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcoa Foundation/Kawneer Company Canada Ltd. International Management Scholarship</td>
<td>Value: $1,500 Number: Five</td>
<td>Full-time continuing students majoring in International Management</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
</tbody>
</table>

#### Canadian Petroleum Tax Society Scholarship
(Canadian Petroleum Tax Society)
- CPTS was established in 1955 as an independent educational society specializing in the taxation of the oil and gas industry.

<table>
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<tr>
<th>Title and Donor</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Canadian Petroleum Tax Society Scholarship</td>
<td>Value: $1,500</td>
<td>Must have completed a minimum of 19 semester courses</td>
<td>Academic achievement</td>
<td>May 1</td>
</tr>
</tbody>
</table>

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<table>
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<th>TITLE AND DONOR</th>
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</thead>
<tbody>
<tr>
<td>CGA Alberta Research and Education Foundation Scholarship (Certified General</td>
<td>Value: $1,500</td>
<td>• Full-time students in the final year of a B.Mgt. program</td>
<td>• Academic achievement based on the highest average marks in the equivalent CGA courses</td>
<td>May 1</td>
</tr>
<tr>
<td>Accountants’ Association of Alberta Research and Education Foundation)</td>
<td>CGA assessment fee and first year CGA tuition fee waived by CGA Alberta</td>
<td>Must be CGA candidates or CGA students</td>
<td>within the B.Mgt. program</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$1,500</td>
<td></td>
<td>• Highest cumulative GPA in overall coursework will be used if equivalent CGA course marks</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>are the same average</td>
<td></td>
</tr>
<tr>
<td>Larissa Featherstone Leadership Award (Featherstone Family)</td>
<td>Value: $1,500 minimum</td>
<td>• Students entering fourth-year in a B.Mgt. program</td>
<td>• Academic achievement (minimum GPA of 3.20)</td>
<td>May 1</td>
</tr>
<tr>
<td>• Larissa Featherstone, a U of L Management alumnus, established this award</td>
<td></td>
<td></td>
<td>• Demonstrated leadership qualities through program requirements or campus activities</td>
<td></td>
</tr>
<tr>
<td>with her family to reward emerging leaders and to encourage those who plan to use</td>
<td></td>
<td></td>
<td>such as Integrated Management</td>
<td></td>
</tr>
<tr>
<td>their leadership skills to make a difference for others</td>
<td></td>
<td></td>
<td>Experience, case/ business competitions, conferences, mentoring or social clubs</td>
<td></td>
</tr>
<tr>
<td>Dan Kazakoff Award in Student Leadership (Management IME Class Alumni)</td>
<td>Value: Up to $1,500</td>
<td>• Full-time continuing B.Mgt. students</td>
<td>• Exceptional leadership skills demonstrated through community and campus involvement</td>
<td>May 1</td>
</tr>
<tr>
<td>• IME Class alumni established this award in appreciation of Dan Kazakoff and</td>
<td></td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td></td>
</tr>
<tr>
<td>his qualities as a teacher, leader and mentor</td>
<td></td>
<td></td>
<td>• Include a letter of reference and essay on why community service/leadership is important</td>
<td></td>
</tr>
<tr>
<td>Louis Moser Memorial Scholarship (Estate of Louis Moser)</td>
<td>Value: $1,200 minimum</td>
<td>• Continuing students enrolled in a B. Mgt. program</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>AMA Insurance Perseverance Award (Alberta Motor Association)</td>
<td>Value: $1,000</td>
<td>• Students entering second year (minimum 24 credit hours completed) in a B.Mgt.</td>
<td>• Academic achievement (minimum 3.00 GPA)</td>
<td>May 1</td>
</tr>
<tr>
<td>Number: Two</td>
<td></td>
<td>program</td>
<td>• An essay relating obstacles or adversity overcome to continue education</td>
<td></td>
</tr>
<tr>
<td>ATB Financial Award (ATB Financial)</td>
<td>Value: $1,000</td>
<td>• Third- or fourth-year students in a B.Mgt. program</td>
<td>• Academic achievement</td>
<td>May 1</td>
</tr>
<tr>
<td>Human Resources Institute of Alberta Award (Human Resources Institute of</td>
<td>Value: $1,000</td>
<td>• Continuing students with a major in Human Resource Management and Labour</td>
<td>• Leadership and community involvement</td>
<td>May 1</td>
</tr>
<tr>
<td>Alberta)</td>
<td></td>
<td>Relations</td>
<td>• Academic achievement</td>
<td></td>
</tr>
</tbody>
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### Undergraduate Awards

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<th>Criteria</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Outstanding Achievement in Management</strong></td>
<td></td>
<td></td>
<td>• B.Mgt. students who have successfully completed a minimum of 30 graded semester courses</td>
<td></td>
</tr>
<tr>
<td>(Faculty of Management)</td>
<td>Value: $1,000</td>
<td></td>
<td>• Outstanding academic achievement</td>
<td></td>
</tr>
<tr>
<td>• This scholarship was created to celebrate excellence in academic performance</td>
<td>Number: Eight - a minimum of two awarded to International (Visa) students</td>
<td></td>
<td>• Not required</td>
<td></td>
</tr>
<tr>
<td><strong>Joel Arnoldussen Memorial Bursary in Management</strong></td>
<td>Value: $500</td>
<td></td>
<td>• Financial need</td>
<td></td>
</tr>
<tr>
<td>(Clarence and Johanna Arnoldussen)</td>
<td></td>
<td></td>
<td>• Preference to a student demonstrating community involvement</td>
<td></td>
</tr>
<tr>
<td>• This award is presented by Bridge City Chrysler in memory of Joel Arnoldussen in support of the Management program</td>
<td></td>
<td></td>
<td>• May 1</td>
<td></td>
</tr>
<tr>
<td><strong>By George Award</strong></td>
<td>Value: $500 minimum</td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td></td>
</tr>
<tr>
<td>(Faculty of Management Alumni and Friends)</td>
<td></td>
<td></td>
<td>• Financial need</td>
<td></td>
</tr>
<tr>
<td>• Dr. George Lermer was the Founder, Director and Dean in the Faculty of Management since its inception in 1981. He retired from the U of L in 1997</td>
<td></td>
<td></td>
<td>• Contribution to the U of L community</td>
<td></td>
</tr>
<tr>
<td><strong>Diana Cooper Memorial Scholarship for Entrepreneurs</strong></td>
<td>Value: $500 minimum</td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td></td>
</tr>
<tr>
<td>(Endowed by Diana Cooper)</td>
<td></td>
<td></td>
<td>• Demonstrated entrepreneurial skills through volunteer and/or paid work experience</td>
<td></td>
</tr>
<tr>
<td>• Donated by Diana Cooper in the hope that the energy and entrepreneurial spirit which she devoted to her business will be an inspiration to others</td>
<td></td>
<td></td>
<td>• May 1</td>
<td></td>
</tr>
<tr>
<td><strong>Human Resources Institute of Alberta Part-time Award</strong></td>
<td>Value: $500</td>
<td></td>
<td>• Leadership and community involvement</td>
<td></td>
</tr>
<tr>
<td>(Human Resources Institute of Alberta)</td>
<td></td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td></td>
</tr>
<tr>
<td>• Must have successfully completed more than 3.0 credit hours and less than 24.0 credit hours at the U of L in the previous fall and spring semesters</td>
<td></td>
<td></td>
<td>• Financial need</td>
<td></td>
</tr>
<tr>
<td><strong>Management Award of Excellence</strong></td>
<td>Value: $500 minimum</td>
<td></td>
<td>• Academic achievement (minimum GPA of 3.00)</td>
<td></td>
</tr>
<tr>
<td>(U of L alumni and friends)</td>
<td></td>
<td></td>
<td>• Not required</td>
<td></td>
</tr>
<tr>
<td><strong>Supply Chain Management Prize</strong></td>
<td>Value: $500</td>
<td></td>
<td>• Academic achievement in Management 3070 (Introduction to Supply Chain Management)</td>
<td></td>
</tr>
<tr>
<td>(Employees from U of L Financial Services and Materials Management)</td>
<td></td>
<td></td>
<td>• Not required</td>
<td></td>
</tr>
<tr>
<td>• Full or part-time continuing students who completed Management 3070 (Introduction to Supply Chain Management)</td>
<td></td>
<td></td>
<td>• Nominated by the Faculty of Management</td>
<td></td>
</tr>
<tr>
<td>• Positive contribution and involvement in class</td>
<td></td>
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</tr>
</tbody>
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## Undergraduate Awards

### Table: Awards and Scholarships

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</tr>
</thead>
</table>
| **Dan Paulson Memorial Scholarship**  
(Family and friends of Dan Paulson)  
- Dan Paulson was an Assistant Professor in the Faculty of Management until his death in 1993 | Value: $400 minimum | • Students majoring in Information Systems who have completed at least 10 semester courses, three of which are Information Systems requirements | • Academic achievement | • May 1 |
| **Ken McDonald Memorial Scholarship**  
(Friends of Ken McDonald)  
- Mr. McDonald was an active business person in the Town of Taber and was a strong supporter of many community events | Value: $300 minimum | • Students who graduated from a high school in the Town of Taber or from a secondary school within the Horizon School Division | • Academic achievement | • May 1 |
| **Jack K. Klinger Memorial Scholarship**  
(Endowed by the late Jack K. Klinger) | Value: $250 minimum | • Must have entered University immediately after graduation from high school  
• A minimum of 19 semester courses | • Academic achievement | • May 1 |
| **Purchasing Management Association of Canada (Lethbridge Branch) Scholarship**  
(Purchasing Management Association of Canada, Lethbridge Branch) | Value: $200 minimum | • Preference to candidates who have completed a minimum of 19 graded semester courses | • Academic achievement | • May 1 |
| **Lethbridge Chamber of Commerce Leadership Award**  
(LINKS Community Project - 2003)  
- 2003 LINKS Golf Tournament was an event organized by the Integrated Management Experience class of 2002/03 to establish an enduring link between the University and the business community | Value: Variable | • Students who have completed the Integrated Management Experience program in the current academic term  
• Community service involvement and leadership skills exhibited in class | • Not required | |
| **Flair Foundation Bursary**  
(Chartered Accountants Education Foundation of Alberta)  
- In recognition of the Flair Foundation’s generosity and demonstrated commitment to the future of the CA profession in Alberta | Value: Tuition and fees for six courses and reimbursement for Foreign Credential Assessment  
- Must enrol in a minimum of six courses over a 12-month period in the U of L CA Bridging Program  
- Students who require 10 or more bridging program courses to qualify for CASB enrollment  
- Students must be working or seeking to re-enter the Alberta workforce  
- Student must have had the Foreign Credential Assessment performed by C.A. School of Business  
- Financial need | • Not required | • February 15 | |

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### Mike Shaikh FCA and Linda Shaikh Bursary
(Chartered Accountants Education Foundation of Alberta)
- In recognition of the Shaikh’s generosity and demonstrated commitment to the future of the CA profession in Alberta

<table>
<thead>
<tr>
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<th>Criteria</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Mike Shaikh FCA and Linda Shaikh Bursary</td>
<td>Value: Tuition and mandatory fees for up to three courses per academic year and the cost of foreign credential assessment (if applicable)</td>
<td>Students in the CA Bridging Program and meet one of the following: Permanent resident or child of a permanent resident who has been in Canada for five years or less; non-Canadian properly accredited to study in Canada; born elsewhere and has become a Canadian citizen within the last five years; worked in another career for a minimum of five years; Student must have had Foreign Credential Assessment completed by CA School of Business</td>
<td>Financial need</td>
<td>February 15</td>
</tr>
</tbody>
</table>

### Deb Steacy Academic All-Canadian Scholarship
(RHW Foundation and Pronghorns Booster Club)
- In 1988, Canadian Interuniversity Sport introduced its first Academic All-Canadians, those exceptional student-athletes who achieve a minimum academic standing of 80 percent while playing on one of their university’s varsity teams

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Deb Steacy Academic All-Canadian Scholarship</td>
<td>Value: Variable, depending on number of qualifying athletes Number: Variable</td>
<td>Continuing full-time students who have participated on a Pronghorn Athletic Canadian Interuniversity Sport varsity team and have used a year of eligibility for that sport</td>
<td>Academic achievement, minimum 80 percent (3.40 GPA) on all courses taken from September to August; Minimum course load of 9 credit hours/semester in fall and spring</td>
<td>Not required</td>
</tr>
</tbody>
</table>

### University of Lethbridge Pronghorn Recruitment Award
(U of L)

<table>
<thead>
<tr>
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<th>Criteria</th>
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</tr>
</thead>
<tbody>
<tr>
<td>University of Lethbridge Pronghorn Recruitment Award</td>
<td>Value: $500 minimum, up to a maximum of tuition and fees (successfully completed courses are included in the fee assessment; repeated courses are not) Number: Variable</td>
<td>Students playing on a Pronghorn Athletics Team Admitted to any degree program at the University of Lethbridge</td>
<td>Recipients will have successfully completed a minimum of 18 credit hours and achieved a combined GPA of at least 2.00 Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>Not required</td>
</tr>
</tbody>
</table>

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Unless otherwise stated, to be eligible for athletic awards candidates must have completed a minimum of 18.0 credit hours at the UofL in the preceding Fall and Spring semesters. All athletic award payments are subject to Canadian Interuniversity Sport (CIS) regulations.
<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
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</thead>
<tbody>
<tr>
<td>Men's Basketball Athletic Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Men's Basketball players who have above average skills in the sport of basketball and who have demonstrated outstanding leadership potential • Must be admitted to a degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>• Not required</td>
</tr>
<tr>
<td>(U of L Athletics Department)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Basketball Athletic Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Women's Basketball players who have above average skills in the sport of basketball and who have demonstrated outstanding leadership potential • Must be admitted to a degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>• Not required</td>
</tr>
<tr>
<td>(U of L Athletics Department)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Men's Hockey Athletic Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Men's Hockey players who have above average skills in the sport of hockey and who have demonstrated outstanding leadership potential • Must be admitted to a degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>• Not required</td>
</tr>
<tr>
<td>(U of L Athletics Department)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Soccer Athletic Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Women's Soccer players who have above average skills in the sport of soccer and who have demonstrated outstanding leadership potential • Must be admitted to a degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Linning Estate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E.C. Fredericks Athletic Award</td>
<td>Value: $500 minimum</td>
<td>• Participation on a University of Lethbridge Pronghorn athletic team</td>
<td>• Continuing or graduating students • Recipients are awarded at the Blue and Gold Athletic Banquet</td>
<td>• Not required</td>
</tr>
<tr>
<td>(Emil C. Fredericks)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
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<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Southern Oldtimers Football Association Award</strong> (Knud Petersen)</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Women's Soccer players who have above average skills in the sport of soccer and who have demonstrated outstanding leadership potential • Admitted to any degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>Swimming Athletic Award</strong> (Linning Estate)</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Swim Team Members who have above average skills in the sport of swimming and who have demonstrated outstanding leadership potential • Must be admitted to a degree program</td>
<td>• The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00 • Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>Coca-Cola Athletic Award</strong> (Coca-Cola Bottling Co.)</td>
<td>Value: $500 minimum Number: Variable</td>
<td>• Pronghorn team player who have above average skills on the team and who have demonstrated outstanding leadership. • Must be admitted to a degree program • Priority will be given to International students</td>
<td>• Academic achievement (minimum GPA of 2.00) • Maintained an acceptable practice and participation schedule as defined by the Athletics Department • Meet all CIS Financial Athletic Award criteria</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>Swimming Championship Award</strong> (Alumni and friends)</td>
<td>Value: $500 to $2,000</td>
<td>• Eligible swimmers who have a CIS entry standard • Admitted to any degree program</td>
<td>• Achieved a minimum GPA of at least 2.00 • Meet all CIS Financial Athletic Award criteria • Maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>Glastech Glazing Alberta Ltd. Men's Hockey Award</strong> (Glastech Glazing Alberta Ltd.)</td>
<td>Value: $1,500 minimum</td>
<td>• Pronghorn Men Hockey players who have participated in promoting and teaching the game of hockey • Continuing students • Preference to those with Lethbridge Minor Hockey program or Western Hockey League experience</td>
<td>• Academic achievement (minimum GPA of 3.00) • Maintained an acceptable practice and participation schedule as defined by the Athletics Department • Meet all CIS Financial Athletic Award criteria</td>
<td>Not required</td>
</tr>
</tbody>
</table>

Unless otherwise stated, to be eligible for athletic awards candidates must have completed a minimum of 18.0 credit hours at the UofL in the preceding Fall and Spring semesters. All athletic award payments are subject to Canadian Interuniversity Sport (CIS) regulations.
### Undergraduate Awards

**AWARDS AND SCHOLARSHIPS**

**Glastech Glazing Alberta Ltd. Women's Hockey Award**
**(Glastech Glazing Alberta Ltd.)**

- **Value:** $1,500 minimum
- **Eligibility:**
  - Pronghorn Women Hockey players who have volunteered their time to promote and teach the game of hockey
  - Continuing students
- **Criteria:**
  - Academic achievement (minimum GPA of 3.00)
  - Maintained an acceptable practice and participation schedule as defined by the Athletics Department
  - Meet all CIS Financial Athletic Award criteria
- **Application:** Not required

**Lanny McDonald Hockey Award**
**(Flames Project 75 Hockey Association)**

- **Value:** $1,250
- **Eligibility:**
  - Students who have completed at least eight and no more than 16 semester courses
  - Members of the U of L Pronghorns Hockey Team in the previous season
- **Criteria:**
  - Leadership exemplifying the best qualities of the student athlete and contributions to community life
- **Application:** Not required

**Calgary Sports and Entertainment Athletic Award**
**(Calgary Sports and Entertainment Group)**

- **Value:** $1,000
- **Number:** Three
- **Eligibility:**
  - Pronghorn men's or women's hockey team players in any degree program
  - Must be continuing and have successfully completed a minimum of 18 credit hours at the U of L
- **Criteria:**
  - Students will be well rounded athletes
  - Combination of GPA and community involvement
- **Application:** Not required

**Harry and Mildred Cox Hockey Award**
**(Harry and Mildred Cox)**

- **Value:** $1,000
- **Eligibility:**
  - Members of the U of L Men's Pronghorn Hockey Team
- **Criteria:**
  - Overall contribution to the team
- **Application:** Not required

**Gal Family Athletic Award**
**(Margie Gal and Friends)**

- **Value:** $1,000
- **Eligibility:**
  - Pronghorn Women's Basketball players who have above average skills on the team and who have demonstrated outstanding leadership
- **Criteria:**
  - Meet all CIS criteria for entering or continuing athletes including:
    - Satisfied all CIS academic standing requirements
    - Maintained an acceptable practice and participation schedule as defined by the Athletics
- **Application:** Not required

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### Undergraduate Awards

<table>
<thead>
<tr>
<th>Title and Donor</th>
<th>Value and Number</th>
<th>Eligibility</th>
<th>Criteria</th>
<th>Application</th>
</tr>
</thead>
</table>
| **Gold and Gold Hockey Award**  
(Ed Gold and Gold Productions) | Value: $1,000 | • Pronghorn Men's Hockey players who have above average skills in the sport of hockey and who have demonstrated outstanding leadership potential  
• Preference will be given to athletes who previously played in the WHL (Western Hockey League) | • The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00  
• Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department | • Not required |
| **Blaine Kunz Women's Rugby Award**  
(Blaine Kunz) | Value: $1,000  
Number: Variable | • Pronghorn Women's Rugby team players who have above average skills on the team and who have demonstrated outstanding leadership  
• Continuing student athletes in any degree program who have successfully completed 18.0 credit hours at the U of L | • Achieved a minimum GPA of at least 2.00  
• Meet all CIS Financial Athletic Award criteria  
• Maintained an acceptable practice and participation schedule as defined by the Athletics Department | • Not required |
| **Lethbridge Hockey Hounds Award**  
(Lethbridge Hockey Hounds) | Value: $1,000 | • Must have participated on the U of L Pronghorn Hockey Team in the previous academic year  
• Wll have a permanent residence within the region defined by: Fort Macleod to the west; Claresholm to the north; Taber to the east; and Coutts to the south | • A combined GPA of at least 2.00 in the previous fall and spring semesters  
• Athletes who have played in a recognized professional league are not eligible  
• May receive this award more than once | • Not required |
| **Burns Foods Athletic Award**  
(Endowed by RHW Foundation) | Value: $500 minimum | • Continuing students who have successfully completed at least two semesters of full-time studies in the previous year at the U of L | • Overall contribution by a player to an athletic team  
• Must have a cumulative GPA of no less than 2.00 | • Not required |
| **Alumni Soccer Award**  
(Alumni of the Pronghorn Soccer Team) | Value: Up to $1,000  
Number: Variable | • Pronghorn Soccer players who have above average skills in the sport of soccer and who have demonstrated outstanding leadership potential  
• Must be admitted to a degree program | • The recipient must successfully complete two semesters of full-time studies achieving a minimum combined GPA of 2.00  
• Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department | • Not required |

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<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>JADS Leadership Award (Randy Bardock)</td>
<td>Value: Up to $1,000</td>
<td>• Pronghorn Soccer players • Successful completion of at least 18.0 credit hours in the previous fall and spring semesters</td>
<td>• Outstanding leadership ability • Minimum GPA of 2.00</td>
<td>N Not required</td>
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<td>Number: Variable</td>
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</tr>
<tr>
<td>R. Philip M. North Scholarship</td>
<td>Value: $500 minimum</td>
<td>• Students who participated fully in a Canada West Athletic program or another athletic program requiring equivalent skill and commitment</td>
<td>• Academic achievement</td>
<td>N Not required</td>
</tr>
<tr>
<td>(Endowed by the Province of Alberta)</td>
<td>Number: Variable</td>
<td></td>
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</tr>
<tr>
<td>Access to the Future Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn players who have above average skills and who have demonstrated outstanding leadership on the team • Admitted to any degree program at the U of L</td>
<td>• Achieved a minimum GPA of at least 2.00 • Meet all CIS Financial Athletic Award criteria • Maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>N Not required</td>
</tr>
<tr>
<td>(Alberta Access to the Future Funds)</td>
<td>Number: Variable</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>For the following Pronghorn programs: Curling Golf Men's Basketball Men's Soccer Track and Field Women's Basketball Women's Hockey Women's Soccer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Men's Basketball Alumni Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Men's Basketball players who have above average skills and who have demonstrated outstanding leadership on the team • Preference to athletes who are from southern Alberta • Admitted to any degree program</td>
<td>• Achieved a minimum combined GPA of at least 2.00 • Meet all CIS Financial Athletic Award criteria • Maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>N Not required</td>
</tr>
<tr>
<td>(Alumni and Friends)</td>
<td>Number: Variable</td>
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</tr>
<tr>
<td>Women's Basketball Alumni Award</td>
<td>Value: $500 minimum</td>
<td>• Pronghorn Women's Basketball players who have above average skills and who have demonstrated outstanding leadership on the team • Preference to athletes who are from southern Alberta • Admitted to any degree program</td>
<td>• Achieved a minimum combined GPA of at least 2.00 • Meet all CIS Financial Athletic Award criteria • Maintained an acceptable practice and participation schedule as defined by the Athletics Department</td>
<td>N Not required</td>
</tr>
<tr>
<td>(Alumni and Friends)</td>
<td>Number: Variable</td>
<td></td>
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</tr>
<tr>
<td>Canada Winter Games Award</td>
<td>Value: $500</td>
<td>• Residents of southern Alberta who have successfully completed at least 24.0 credit hours • High achievement in athletics • Contribution to the community • Academic achievement</td>
<td>• High achievement in athletics • Contribution to the community • Academic achievement</td>
<td>N Not required</td>
</tr>
<tr>
<td>(1975 Canada Winter Games Society)</td>
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<td></td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th><strong>Undergraduate Awards</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AWARDS AND SCHOLARSHIPS</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Title and Donor</strong></th>
<th><strong>Value and Number</strong></th>
<th><strong>Eligibility</strong></th>
<th><strong>Criteria</strong></th>
<th><strong>Application</strong></th>
</tr>
</thead>
</table>
| **Alex Close Memorial Bursary**  
(Friends and family of Alex Close) | Value: $500 | - Kinesiology or Exercise Science majors  
- Involvement with the Men's or Women's Pronghorn soccer team | - Financial need | May 1 |
| **Hockey Alumni Award**  
(Men's Hockey Alumni Association) | Value: $500 | - Pronghorn Hockey players who have above average skills on the team and who have demonstrated outstanding leadership  
- Admitted to any degree program at the U of L | - Achieved a minimum GPA of at least 2.00  
- Meet all CIS Financial Athletic Award criteria  
- Maintained an acceptable practice and participation schedule as defined by the Athletics Department | Not required |
| **Pronghorn Women's Rugby Alumni Award**  
(Pronghorn Women's Rugby Alumni) | Value: $500 | - Pronghorn Women's Rugby players who have above average skills on the team and who have demonstrated outstanding leadership  
- Admitted to any degree program at the U of L | - Recipients will have achieved a minimum combined GPA of at least 2.00  
- Must have maintained an acceptable practice and participation schedule as defined by the Athletics Department | Not required |
| **Yosh Senda Judo Award**  
(Dr. Yosh Senda) | Value: $500 minimum  
Number: Two (one each for male and female Judo Team members) | - Continuing full-time students who have participated on the U of L Judo Team | - Overall contribution to the team and to the sport of Judo  
- Academic achievement (minimum GPA of 2.50) and completed at least eight courses in the fall and spring semesters preceding the award | Not required |
| **Steele's Crossing Award in Swimming**  
(Mike Morrow) | Value: $500  
Number: Two (one each for male and female Swim Team members) | - Pronghorn Swim Team members in their third, fourth or fifth year or master's program  
- Competed and scored points at the Canada West Championship in the previous two years  
- Preference to students in Arts and Science, Health Sciences, or Education | - Academic achievement (highest combined GPA from most recent academic year) | Not required |

Unless otherwise stated, to be eligible for athletic awards candidates must have completed a minimum of 18.0 credit hours at the UofL in the preceding Fall and Spring semesters.  
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</tr>
</thead>
</table>
| **University of Lethbridge Alumni Athletic Award**  
(U of L Alumni Athletic Association) | Value: $500 minimum | • Athletes who have successfully completed at least three semesters at the U of L in any degree program while participating on a Pronghorn athletic team | • Demonstrated outstanding leadership to his/her team and the U of L athletic program in general  
• Must have a cumulative GPA of at least 2.00 | • Not required |
| **1996 Alberta Winter Games Scholarship - Athletics**  
(1996 Alberta Winter Games) | Value: $300 minimum | • Graduates from a City of Lethbridge high school | • Academic achievement (minimum course load of 24.0 credit hours in the previous fall and spring semesters)  
• High achievement in athletics | • Not required  
• Preference given to those who have not received this award previously |
| **Reed C. Ellison Athletic Award**  
(Mr. Reed C. Ellison) | Value: $150  
Number: Two (one for a male athlete and one for a female athlete) | • Participation on a U of L athletic team | • Academic achievement  
• Demonstrated inspirational leadership qualities and sportsmanship | • Not required |
| **Art Bareham Athletic Award**  
(Endowed by Mrs. Art Bareham) | Value: $100 minimum | • Participation on a U of L athletic team competing in the Canada West Athletic program | • Academic achievement (minimum course load of 24.0 credit hours in the previous fall and spring semesters)  
• Demonstrated leadership qualities, sportsmanship and hard work | May 1 |

### 5. ACADEMIC MEDALS

<table>
<thead>
<tr>
<th>TITLE AND DONOR</th>
<th>VALUE AND NUMBER</th>
<th>ELIGIBILITY</th>
<th>CRITERIA</th>
<th>APPLICATION</th>
</tr>
</thead>
</table>
| **Faculty of Arts and Science Gold Medal**  
(U of L) | Number: Two (One for the Bachelor of Arts and one for the Bachelor of Science; Bachelor of Arts and Science graduates will be considered with the appropriate group depending on their majors and the distribution of courses) | • Must have completed the degree requirements in the Faculty of Arts and Science during the current academic year | • Awarded to the most distinguished student graduating from the Faculty of Arts and Science | • Not required |
| **Faculty of Education Gold Medal**  
(U of L) | Number: One | • Must have completed degree requirements during the current academic year | • Awarded to a student graduating with ‘Great Distinction’ or ‘Distinction’ | • Not required |
| **William Aberhart Gold Medal in Education**  
(Alberta Teachers’ Association) | Number: One | • Must have completed degree requirements during the current academic year | • Awarded to the student who has shown the highest general proficiency in the final two years of the Bachelor of Education program | • Not required |
| **Faculty of Fine Arts Gold Medal**  
(U of L) | Number: One | • Must have completed requirements during the current academic year | • Awarded to the most distinguished student graduating from the Faculty of Fine Arts | • Not required |
6. FINANCIAL ASSISTANCE

Application forms and information for Government Student Financial Assistance Programs are available from Scholarships and Student Finance (AH151, tel. 403-329-2585). General eligibility for full-time assistance is:

- Canadian citizen or Permanent Resident of Canada
- A valid Social Insurance Number
- Study in an approved post-secondary program of at least 12 weeks in length
- Courses must be applied to a recognized degree
- Demonstrated financial need.

Most government financial aid programs are need-based. Students apply for the program through a provincial/territorial application form. One application encompasses the Canada Student Loans and Grants program, and Provincial/Territorial Loans and Grants. Scholarships and Student Finance will assist students to determine which application to use. Students must apply to the province/territory which they are considered residents of, not necessarily the province/territory they are attending school in.

The government determines financial need by assessing costs the student will incur for tuition, fees, books and moderate living costs. Savings, part-time earnings, scholarships, assets and parental contributions may be assessed as resources and formulated as to whether a student has need. Students may appeal the outcome of the government needs assessment.

Allow four to eight weeks for an application to be processed. Students are advised to apply before June 1 for fall funding.

Students will receive a Notification of Assessment with directions on where the loan, grant payments or documents will be sent. Tuition and fees owing will be deducted from the loan payments. Students are strongly advised to read all applications and documents before signing. Know your rights and responsibilities!

In semesters when a returning student who has previous government student loans does not take out additional student loans, it is essential the student complete and submit a Confirmation of Enrolment form. This will protect the student (interest-free) status of the loan. Confirmation of Enrolment forms must be filed for both Canada and Provincial student loans, if both have been previously issued to the student.

General eligibility for part-time financial assistance is the same as full-time assistance. Check with the staff at Scholarships and Student Finance for further details.

Financial assistance programs for students with permanent disabilities are also available. Check with the staff at Scholarships and Student Finance for further details.

The following websites have more information on the Government Financial Assistance Programs for students:

- Alberta residents: studentaid.alberta.ca
- All other provincial/territorial links can be accessed from: www.canlearn.ca
- The University of Lethbridge does not participate in the U.S. Department of Education (USDE) Federal Student Aid programs. Students can receive Confirmation of Enrolment for existing USDE issued loans, but cannot access new USDE loans to attend the University of Lethbridge.

a. Repayment

Students are responsible for repaying their student loans. However, loans are not repayable during periods of full-time studies and for six months after graduation or
withdrawal. In certain cases repayment may be deferred for additional periods after the six months’ exemption, upon successful application for the Repayment Assistance Program.

b. **Withdrawal While on Government Student Assistance (loans/grants program)**

Students must maintain registration to stay eligible for government student assistance. When on full-time government student assistance, a student must remain a full-time student throughout the funded period of study. If a student withdraws or drops below full-time standing, the student may be required to repay some or all funding received. Grant money may be converted to loan money. Students may be restricted from further government student assistance for 12 months. Check with the staff at Scholarships and Student Finance before withdrawing or dropping registration. Part-time funding programs are available for graduate students who are studying part-time.

c. **Incomplete (I) and Continuing (X) Grades**

Courses used in one semester to determine eligibility for student loan purposes cannot be used in subsequent semesters toward a student’s full-time registration. Independent and Applied Studies courses are classified as one course and can only be used in one semester to determine eligibility for student loan purposes. Students taking more than one semester to complete these courses should plan their subsequent semester schedules accordingly.

d. **Emergency Student Loan Fund**

The purpose of the fund is to provide temporary assistance to full-time University of Lethbridge students to meet expenses related to an unexpected shortfall in their personal finances or an unanticipated delay in their receipt of financial assistance funding.

An emergency is defined as an unexpected shortfall in finances that has caused an inability to meet the rent payments when due, lack of adequate food supplies, and any other type of expenses related to the necessities of life that cannot be delayed. Students will not receive emergency financial assistance to cover registration deposits, tuition fees, books, fines or debts to other University departments.

Emergency loans are available to assist students experiencing delays in the normal disbursement of their confirmed government student loans or grants. These advances are also available, in extenuating circumstances, to those students ineligible for government financial aid.

In such cases, students must have written proof of their ability to repay the loan.

The full policy is available online at www.uleth.ca/policy/emergency-student-loan-fund.
### 7. INDEX OF AWARDS AND SCHOLARSHIPS

<table>
<thead>
<tr>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996 Alberta Winter Games Athletics</td>
</tr>
<tr>
<td>Fine Arts</td>
</tr>
<tr>
<td>Abbondanza Fine Arts</td>
</tr>
<tr>
<td>Aberhart, Wiliam - Gold Medal</td>
</tr>
<tr>
<td>Academic Writting Prize</td>
</tr>
<tr>
<td>Access to the Future</td>
</tr>
<tr>
<td>Accounting</td>
</tr>
<tr>
<td>Ackerman Memorial</td>
</tr>
<tr>
<td>Agricultural Studies</td>
</tr>
<tr>
<td>AHS Addictions</td>
</tr>
<tr>
<td>Alberta Blue Cross 50th Anniversary Computer Science</td>
</tr>
<tr>
<td>Entrance</td>
</tr>
<tr>
<td>Health Sciences</td>
</tr>
<tr>
<td>Relocation</td>
</tr>
<tr>
<td>Special Needs</td>
</tr>
<tr>
<td>Alberta Business Education Association</td>
</tr>
<tr>
<td>Alberta Institute of Agrologists</td>
</tr>
<tr>
<td>Alberta Motor Association</td>
</tr>
<tr>
<td>Alberta Potato Industry Association</td>
</tr>
<tr>
<td>Alberta Retired Teachers' Association</td>
</tr>
<tr>
<td>Alberta Teachers' Association Local 41</td>
</tr>
<tr>
<td>Alberta Union of Provincial Employees</td>
</tr>
<tr>
<td>Alberta Weather Commission Agronomy</td>
</tr>
<tr>
<td>Alcoa/Kawneer Company Canada Ltd. Environmental Science</td>
</tr>
<tr>
<td>International Management</td>
</tr>
<tr>
<td>Allen, Del</td>
</tr>
<tr>
<td>Alumni Association (UofL) 23th Anniversary</td>
</tr>
<tr>
<td>Association Award</td>
</tr>
<tr>
<td>Calgary Chapter Continuing</td>
</tr>
<tr>
<td>Calgary Chapter Entrance</td>
</tr>
<tr>
<td>John Gill Memorial</td>
</tr>
<tr>
<td>Nursing</td>
</tr>
<tr>
<td>Alumni Soccer</td>
</tr>
<tr>
<td>Anderson, Andrew and Rheta</td>
</tr>
<tr>
<td>Anderson, Andy</td>
</tr>
<tr>
<td>Annis, Mary</td>
</tr>
<tr>
<td>APEGA N.H. Bradley</td>
</tr>
<tr>
<td>Archaeological Society of Alberta</td>
</tr>
<tr>
<td>Arnold, Islay</td>
</tr>
<tr>
<td>Arnoldussen, Joel</td>
</tr>
<tr>
<td>Bursary in Management</td>
</tr>
<tr>
<td>Arts and Science Award of Excellence</td>
</tr>
<tr>
<td>Arts and Science Gold Medal</td>
</tr>
<tr>
<td>AstraZeneca Aboriginal Nursing</td>
</tr>
<tr>
<td>ATB Financial</td>
</tr>
<tr>
<td>ATCO Gas Management</td>
</tr>
<tr>
<td>Treaty Seven First Nations</td>
</tr>
<tr>
<td>Atkin Memorial</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Nursing After Degree</td>
</tr>
<tr>
<td>Beahre, Art</td>
</tr>
<tr>
<td>Bath, Paul</td>
</tr>
<tr>
<td>Batty, Art</td>
</tr>
<tr>
<td>Bayer CropScience</td>
</tr>
<tr>
<td>Beattie, Evelyn</td>
</tr>
<tr>
<td>Bengston, Clarence Ilenie</td>
</tr>
<tr>
<td>Beny, Roloff Foundation</td>
</tr>
<tr>
<td>Bergen, Henry - GEN Manufacturing</td>
</tr>
<tr>
<td>Bibby, Bub and Roberta</td>
</tr>
<tr>
<td>Bigelow Fowler Clinic</td>
</tr>
<tr>
<td>BioAlberta</td>
</tr>
<tr>
<td>Biology Graduate Research Symposium Prize</td>
</tr>
<tr>
<td>Block, Andrea</td>
</tr>
<tr>
<td>Bodie, Myrtle Ruth</td>
</tr>
<tr>
<td>Braat, Carol</td>
</tr>
<tr>
<td>Brown, Kalen</td>
</tr>
<tr>
<td>Buchanan, Wiliam Asbury</td>
</tr>
<tr>
<td>Burns Foods Athletic</td>
</tr>
<tr>
<td>By George</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cade, Bill and Elsa Salazar Evolutionary Ecology</td>
</tr>
<tr>
<td>Student of the Year</td>
</tr>
<tr>
<td>Calgary Foundation Camyre, Frances</td>
</tr>
<tr>
<td>Canadian Association of Petroleum Producers</td>
</tr>
<tr>
<td>Calgary Sports and Entertainment Athletic 536</td>
</tr>
<tr>
<td>Campus Sustainability Recycling</td>
</tr>
<tr>
<td>Canada Winter Games Athletics</td>
</tr>
<tr>
<td>Entrance</td>
</tr>
<tr>
<td>Canadian Federation of University Women Award</td>
</tr>
<tr>
<td>Scholarship</td>
</tr>
<tr>
<td>Canadian Petroleum Tax Society</td>
</tr>
<tr>
<td>Capstone</td>
</tr>
<tr>
<td>Cardtronics Canada Bursary</td>
</tr>
<tr>
<td>Community Service</td>
</tr>
<tr>
<td>Entrance</td>
</tr>
<tr>
<td>Carpenter, David B.</td>
</tr>
<tr>
<td>Carpenter, W Inogene Brandow</td>
</tr>
<tr>
<td>CAT Award</td>
</tr>
<tr>
<td>Certified Management Accountants CMA Leadership Scholarship</td>
</tr>
<tr>
<td>Scholarship</td>
</tr>
<tr>
<td>CGA Alberta Research and Education Foundation</td>
</tr>
<tr>
<td>Chan, Michael Prize in Asian Studies</td>
</tr>
<tr>
<td>Chan, Patrick</td>
</tr>
<tr>
<td>Chartered Accountants</td>
</tr>
<tr>
<td>Child, Arthur J.E.</td>
</tr>
<tr>
<td>Chinook Chemistry and Biochemistry</td>
</tr>
<tr>
<td>Chorley, Ruth</td>
</tr>
<tr>
<td>Christou, Van and Helen</td>
</tr>
<tr>
<td>Clark, John</td>
</tr>
<tr>
<td>Clear Sky Radio</td>
</tr>
<tr>
<td>Close, Alex</td>
</tr>
<tr>
<td>Cloverdale Paint</td>
</tr>
<tr>
<td>Colona Athletic</td>
</tr>
<tr>
<td>Coleman, Ronald B.</td>
</tr>
<tr>
<td>Cook, Robert M</td>
</tr>
<tr>
<td>Cooper, Diana Entrepreneural</td>
</tr>
<tr>
<td>Memorial</td>
</tr>
<tr>
<td>Country 95.5 FM (CHLB)</td>
</tr>
<tr>
<td>Cox, Harry and Mildred</td>
</tr>
<tr>
<td>CropLife Canada Alberta Chapter</td>
</tr>
<tr>
<td>Crow, Mary Agnes</td>
</tr>
<tr>
<td>Czechoslovakian Cultural Society</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniels, Daya B.</td>
</tr>
<tr>
<td>Davidson, Richard</td>
</tr>
<tr>
<td>Davies, George B.</td>
</tr>
<tr>
<td>Davis, John</td>
</tr>
<tr>
<td>de Grandmason, Lubov Alexandria Fine Arts</td>
</tr>
<tr>
<td>Native American Studies</td>
</tr>
<tr>
<td>Part-Time Fine Arts</td>
</tr>
<tr>
<td>Part-Time Native American Studies</td>
</tr>
<tr>
<td>December 6 Award</td>
</tr>
<tr>
<td>Dempster, David</td>
</tr>
<tr>
<td>Department of Art Prize</td>
</tr>
<tr>
<td>Dick, Trevor J.O.</td>
</tr>
<tr>
<td>Dormaar, Johan F.</td>
</tr>
<tr>
<td>Dorner Award</td>
</tr>
<tr>
<td>Dorner, Joseph</td>
</tr>
<tr>
<td>Driedger Family</td>
</tr>
<tr>
<td>Dunford, Clint Fine Arts</td>
</tr>
<tr>
<td>Scholarship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eagle Bear, Vern</td>
</tr>
<tr>
<td>EBH Award</td>
</tr>
<tr>
<td>Echordige Educational Foundation Education</td>
</tr>
<tr>
<td>Science</td>
</tr>
<tr>
<td>Education Award of Excellence</td>
</tr>
<tr>
<td>Elgby, Anna</td>
</tr>
<tr>
<td>Elchen, Wiliam</td>
</tr>
<tr>
<td>Ellis, George Research</td>
</tr>
<tr>
<td>Scholarship</td>
</tr>
<tr>
<td>Ellison Enterprises Ltd.</td>
</tr>
<tr>
<td>Ellison, Reed C. - Athletic</td>
</tr>
<tr>
<td>Ellison, Reed C. and Eva</td>
</tr>
<tr>
<td>English for Academic Purposes</td>
</tr>
<tr>
<td>Ericksen, Sven</td>
</tr>
<tr>
<td>Award</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>EUS Award</td>
</tr>
<tr>
<td>Tutoring</td>
</tr>
<tr>
<td>Evelyn, George</td>
</tr>
<tr>
<td>Executive Women International</td>
</tr>
</tbody>
</table>

### Faculty of Education

- Bachelor of Education Teaching, Placement | 508
- First Nations Bachelor of Education | 508
- Gold Medal | 540

### Faculty of Fine Arts

- Cheskin Early Entrance | 469
- Digital Audio Arts Entrance | 469
- Digital Audio Arts Undergraduate | 515
- Gold Medal | 540
- Linda Nicol Entrance | 475
- Undergraduate | 511

### Faculty of Health Sciences

- Entrance and Relocation | 469
- Gold Medal | 541
- Public Health Travel | 518

### Faculty of Management

- "Make a Difference" for Outstanding Student Leadership | 529
- Gold Medal | 541
- Management Student Leaders | 461
- Outstanding Achievement in Management | 531
- SAIT Transfer Scholarship | 466
- Fairbairn, Honourable Senator Joyce | 526
- Featherstone, Larissa | 530
- Ferrari, Sharon and Art | 512

### Financial Services/Materials Management

- Outstanding Achievement in Management | 531
- Fine Arts Award of Excellence | 531
- First Nations Bursary | 481
- Flair Foundation | 532
- For the Love of It | 517
- Forrest, Patrick Family Foundation | 462
- Forsyth, Zella Dague | 477
- Fredericks, E.C. | 534
- French Club Prize | 491
- French Language Entrance Award | 463
- French Teacher Education | 507
- French Visiting Student Travel Award | 493

### G

- Gal, Margie | 536
- Galt School of Nursing Alumnus | 470
- Genge, James R. | 501
- Ghert, Joe | 517
- Gill, John | 478
- Glastech Glazing Alberta Ltd. | 535
- Men's Hockey | 495
- Women's Hockey | 536

### K

- Kaede Cultural Society of Calgary | 497
- Kainai Chiefship Award | 482
- Bursary | 470
AWARDS AND SCHOLARSHIPS

Men's Basketball Alumni .............. 538
Men's Hockey ........................................... 534
Menard, Vincent ............................ 538
Merrick, Gordon and Elizabeth ...... 489
Métis Scholar .............................................. 477
Miller, Christine ............................. 475
Miller, Vondis ........................................... 471
Milliken, Bruce ....................................... 524
Milliken, Bruce and Mary .............. 468
MNP LLP ...................................................... 526
Morgan, Dr. John .............................. 505
Morgan, Helen ....................................... 520
Morgan, Joanna ..................................... 505
Morrison, W I I ................................. 486
Moser, Louis ......................................... 530
Mrazek, Richard .................................... 508
Mueller, Dieter ...................................... 502
Munson, Charles Anthony .............. 491

N
Needham, Louise .............................. 471
Neelson, Bob, Carolyn, and Jeff ..... 475
Neuman, Bernice and Dale .......... 471
Neuman, Christopher ................. 464
New Sun - Joy Harvie Maclaren ...........
Health Sciences ................................. 517
Management ......................................... 528
Norrie, James and Isabelle .......... 492
North, Phillip .................................... 521
North, R. Philip M ............................ 538
Nugent Family ...................................... 475

O
Onitsuka ............................................... 528
O'ordt, Martin ...................................... 494
Organisation of Residence Students
Citizenship .......................................... 492
Council Excellence .............................. 482
Family ................................................. 483
Scholastic Achievement .................... 492
Outstanding Achievement in the
Humanities .......................................... 502

P
Painter, Richard .................................... 502
Parsons, Robert H ............................. 464
Paterson and Husky Energy .......... 502
Patten, Steven C ............................... 483
Paulson, Dan ....................................... 532
Peat, Sharon L ...................................... 513
Pereira ..................................................... 464
Petroleum Accountants Society of Canada
527
Phi Delta Kappa Education ............ 510
Pickard, Jean C .................................... 516
Pierzchala Family .............................. 466
Play Right Prize ..................................... 479

Political Science Graduate
Studies .................................................. 503

Prize of the Ambassador of
Switzerland ........................................... 492
Pronghorn Athletics Student Mentor .. 487
Pronghorn Women's Rugby Alumni ..... 539
Province of Alberta
International Travel ............................. 479
Psychology Prize ................................. 506
Public Health ......................................... 518
Purchasing Management Association .. 532

R
Rae, Darryl C M. Prize .................. 492
Reuter, Timothy ................................. 497
Rich Environmental Science .......... 497
Risk and Safety .................................... 480
RMH Award ......................................... 462
Rogers Sugar ...................................... 503
Romulus et Remus Italian Canadian
Club .................................................... 489
Rood, Joe ............................................. 503
Ross, Stubb .......................................... 525
Rotary Community Service ............... 489
Royal Canadian Legion
Command Bursary ............................. 471
Ruff, Florence ..................................... 520
Ruryk, W illiam ....................................... 494
Russell, Gordon W ............................. 503
Russell, W illiam Stafford .................. 503
Ryga, George ....................................... 514

S
Sakamoto, Joyce and Ron.................. 516
Digital Audio Arts Award ............... 472
Digital Audio Arts Entrance .......... 472
Digital Audio Arts Research .......... 514
Sakamoto, Ron ..................................... 505
Sandham, Marie ................................. 519
Scholarship in Agriculture ............. 499
School of Graduate Studies
Medals of Merit ................................... 541
Senate Award ....................................... 478
Senda, Dr. Yoshio and Florence ...... 525
Senda, Yosh ......................................... 539
Shackelford, R.E. (Robert) and
Mildred ................................................. 517
Shaikh, Mike and Linda ................. 533
Shell Award in Native
Management ......................................... 528
Shipbootham, Victor ....................... 464
Short Fiction Prize .............................. 479
Silverwings Physical Education 505
Simpson, Clare C .................................. 516
Simpson-Markinich .............................. 472
Singer, Leo and Phyllis .................... 513
Skelton, W illiam and Eleanor .......... 498
Smith, Lawrence O .............................. 498
Southern Alcare Manor .................... 519

Southern Oldtimers Football
Association ........................................... 535
Speaker, The Honourable Raymond
A. (P.C.) ............................................... 474
Spinks, David and Jo ...................... 514
Spinks, George and O live .............. 511
Steacy, Deb Academic All-Canadian .... 533
Stebbins, Luke ...................................... 505
Steele's Crossing Award in Swimming .. 539
Stott, Elizabeth .................................... 510
Strong, Inez and Maybelle .............. 507
Students' Union
Award ................................................. 488
Community Service ......................... 488
Emergency Bursary ......................... 488
International Travel ......................... 488
Part-Time Scholarship ..................... 488
Placement Award ............................... 487
Quality Initiatives Bursary .............. 483
cation. 
Scholarship ...................................... 487
ULSU Emerging Teachers ............... 510
Students' Union/Coca-Cola Bottling
Award ................................................. 498
Edmonton and Calgary .................... 489
Scholarship ....................................... 488
StudentW ise ......................................... 490
Sundstrom, Marvin ......................... 499
Supply Chain Management .............. 531
Supporting Our Students
Bursary ............................................... 472
Scholarship ........................................ 472
Swanson, Archdeacon Cecil ............. 465
Swimming Athletic ......................... 535
Swimming Championship ............... 535

T
Tagg, Dr. James D ............................. 498
Tait, Jan ............................................... 473
Tait, Logan ........................................... 525
Takacs, Alice ....................................... 483
TD Bank Financial Group ................. 478
TD Bank Group ....................................... 483
TD Insurance Melench Monnex ........ 484
Thompson, Frank M. and Lila Linn
Entrance ............................................. 462
Nursing ................................................. 518
Part-Time Nursing ......................... 519
Prize .................................................... 517
Time Air ................................................. 525
Trechka, Gerald .................................... 473
Turcotte, Agnes ................................. 511
Turcotte, Louis Sherman .................. 479
Turner, Penny Anne ......................... 519
Twa, Jim .............................................. 510

U
Ultrafine Agriculture .......................... 498
<table>
<thead>
<tr>
<th>UofL</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Achievement</td>
<td>461</td>
</tr>
<tr>
<td>Alumni Athletic</td>
<td>540</td>
</tr>
<tr>
<td>B.N. Collaborative Program</td>
<td>466</td>
</tr>
<tr>
<td>Board of Governors’</td>
<td></td>
</tr>
<tr>
<td>Admission</td>
<td>460</td>
</tr>
<tr>
<td>Relocation</td>
<td>460</td>
</tr>
<tr>
<td>Transfer</td>
<td>466</td>
</tr>
<tr>
<td>Chancellor's</td>
<td>478</td>
</tr>
<tr>
<td>Chinook</td>
<td>461</td>
</tr>
<tr>
<td>Early Entrance</td>
<td>463</td>
</tr>
<tr>
<td>Entrance and Continuing</td>
<td>462</td>
</tr>
<tr>
<td>Faculty Association</td>
<td>484</td>
</tr>
<tr>
<td>Grade 11 Merit Award</td>
<td>460</td>
</tr>
<tr>
<td>International Entrance and</td>
<td></td>
</tr>
<tr>
<td>Continuing</td>
<td>470</td>
</tr>
<tr>
<td>International Students Entrance</td>
<td>463</td>
</tr>
<tr>
<td>Post-Diploma Entrance</td>
<td>466</td>
</tr>
<tr>
<td>President's</td>
<td>478</td>
</tr>
<tr>
<td>Pronghorn Recruitment Award</td>
<td>533</td>
</tr>
<tr>
<td>Reduced Course Load</td>
<td>490</td>
</tr>
<tr>
<td>Residence Healthy Living</td>
<td>487</td>
</tr>
<tr>
<td>Spring Entrance</td>
<td>478</td>
</tr>
<tr>
<td>Students with Disabilities</td>
<td>475</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>478</td>
</tr>
<tr>
<td>Urban and Regional Information Systems Association</td>
<td>503</td>
</tr>
<tr>
<td>Ustinov, Peter</td>
<td>514</td>
</tr>
<tr>
<td>Van Gaalen, Adrian</td>
<td>476</td>
</tr>
<tr>
<td>Van Gaalen/Burbridge Farm Ltd</td>
<td>484</td>
</tr>
<tr>
<td>Van Raay, Christine</td>
<td>521</td>
</tr>
<tr>
<td>Van Raay, Cor</td>
<td>525</td>
</tr>
<tr>
<td>Varzari, George</td>
<td>513</td>
</tr>
<tr>
<td>Veer, Peter and Margaret</td>
<td>506</td>
</tr>
<tr>
<td>Visual Arts Founding Faculty</td>
<td>512</td>
</tr>
<tr>
<td>Vreeken, Donna</td>
<td>466</td>
</tr>
<tr>
<td>Wigham Family Bursary</td>
<td>508</td>
</tr>
<tr>
<td>Williams, John</td>
<td>526</td>
</tr>
<tr>
<td>Winter, Wilma G</td>
<td>490</td>
</tr>
<tr>
<td>Women's Basketball Alumni</td>
<td>538</td>
</tr>
<tr>
<td>Women's Basketball</td>
<td>534</td>
</tr>
<tr>
<td>Women's Soccer</td>
<td>534</td>
</tr>
<tr>
<td>Yanosik, Honourable Clarence G</td>
<td>484</td>
</tr>
<tr>
<td>Yoshida, Dr. Ronald M.</td>
<td>491</td>
</tr>
<tr>
<td>Young, George A.</td>
<td>526</td>
</tr>
<tr>
<td>Young, Parkyn, McNab</td>
<td>527</td>
</tr>
<tr>
<td>Winters, Elmer and Ida</td>
<td>506</td>
</tr>
</tbody>
</table>

Y

| W | Wigham Family Bursary | 508 |
| W | Williams, John       | 526 |
| W | Winter, Wilma G      | 490 |
| W | Women's Basketball   | 534 |
| W | Women's Soccer       | 534 |
| W | Yanosik, Honourable C | 484 |
| W | Yoshida, Dr. Ronald M | 491 |
| W | Young, George A.     | 526 |
| W | Young, Parkyn, McNab | 527 |
| W | Winters, Elmer and Ida | 506 |

W
1. ACCOMMODATED LEARNING CENTRE

Students with Disabilities

The University of Lethbridge attempts to meet the special needs of students with disabilities. Many students have unique needs and response must be made on an individual basis. Supporting these needs may require the student in question to liaise with a number of provincial and non-profit agencies, as well as University of Lethbridge personnel. For more information and possible assistance with these matters, contact the Accommodated Learning Centre (B760; 403-329-2766).

The Accommodated Learning Centre can support student requests for assessments or registration procedures once their disability has been documented. They can also guide students to local services or agencies which may be of assistance. Special equipment or specialized services frequently must be funded through agencies outside the University of Lethbridge. Questions regarding physical access may also be brought to the Accommodated Learning Centre who will then direct students to the appropriate University office or personnel. Further information is available on the Accommodated Learning Centre website.

Graduate and Professional School Examinations

The Accommodated Learning Centre is an authorized test center for professional and graduate school exams such as the LSAT (Law School Admission Test) and MAT (Miller Analogies Test). Pre-registration for these tests is required and Internet links are included on the Accommodated Learning Centre website (www.uleth.ca/ross/accommodated-learning-centre). Information bulletins are also available at the Career & Co-op Services (AH154).

Accommodated Learning Centre website:
www.uleth.ca/ross/accommodated-learning-centre

2. ADMISSIONS

In addition to processing all applications for admission and transfer credit, Admissions personnel provide on-campus advising regarding admission requirements and application procedures to prospective students. Admissions is located in the Registrar’s Office (SU 140; 403-382-7134, admissions@uleth.ca).

Admissions website: www.uleth.ca/ross/admissions
5. **CAMPUS ID CARD**

The University of Lethbridge Campus ID Card is the official picture identification of the University of Lethbridge. All students, faculty and staff need this card in order to access vending, printing, photocopying, food services, recreation facilities, athletic events, the Library and some off-campus services.

Campus ID Cards may be obtained at the ITS Solutions Centre in University Hall (E610). Government-issued photo ID is required. For more information contact the ITS Solutions Centre (tel. 403-329-2490). The initial card is free—replacing a damaged, lost or stolen card is $10.

Campus ID Card website: www.uleth.ca/information-technology/services/campus-id-cards

6. **CAMPUS SAFETY - SECURITY SERVICES/PARKING**

The Campus Safety Administration Office is located in the Library building (L911, 403-329-2603).

**Security**

Security Representatives provide security of campus buildings, Safe Walk program, loss prevention, first aid response, incident investigation, lost and found services, and control of parking and traffic on campus. The Security emergency phone number is 403-329-2345.

**PARKING**

Anyone intending to park a vehicle on the University of Lethbridge campus must purchase a parking permit. Permits are available at the Cash Office, or they may be reserved online using the Bridge (www.uleth.ca/bridge). To see current permit rates, please visit the Bridge.

Individuals with special needs should apply for a permit to park in assigned areas. Applications are available through Campus Safety at 403-329-2603.

A reduced fee is charged for summer school and part-time students.

Residence students should purchase a parking permit through Housing Services (C 420).

Visitor parking is available in various lots around campus (one hour to all day). Permits may be obtained from permit dispensers located in Lots C, D, G, H, K, L, M and N; at the Cash Office (AH 144); or at the Campus Safety Administration Office (L911).

Parking maps may be obtained from the Cash Office or Campus Safety.

The official security and related information and policies are available online at www.uleth.ca/security.

The official parking and related policies are available online at www.uleth.ca/facilities/parking.

Parking website: www.uleth.ca/facilities/parking

**Risk and Safety Services**

Risk and Safety Services (RSS), a division of Campus Safety is committed to the education and promotion of risk control and a strong safety culture for the University's students, faculty, staff, and to members of the external community who attend and use the University facilities and services. RSS is responsible for overseeing the University's safety programs inclusive of laboratory safety, biosafety, radiation safety, laser and X-ray safety, and biosafety. It also manages the University's Environment and Occupational Health and Safety program. Our services are multifaceted inclusive of conducting safety audits, assisting with hazard assessments, providing safety training such as WHMIS, laboratory safety, radiation and biosafety. The administration of the University's insurance portfolio; conducting risk assessments and risk orientations for University events, field trips, practicum, co-op, affiliations, internships and international travel programs; waiver creation and administration; incident/accident investigation; claims management; ensure safety legislative compliance reviews; contract review as it relates to the insurance requirements and indemnity agreements; and the administration of the University Alcohol Policy.

RSS offices are located in Anderson Hall and LINC and our staff can be contacted as follows:

- Manager, Safety (AH 129): 403-329-2350
- O H & S Safety Officer (AH 128): 403-329-2190
- Biosafety Officer: (AH 127): 403-332-4484
- Risk Analyst (AH 1208): 403-329-2099
- Director, RSS (L911A): 403-382-7176


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3. **BOOKSTORE**

**Retail Services**

The University Bookstore is located on Level 2 of the Students' Union Building. It stocks all required course materials as well as a full line of general reading books, stationary, art supplies, University apparel and giftware.

**Textbook Reservation Service**

The Bookstore can do your textbook shopping for you. Access the Bookstore's website at www.uleth.ca/bookstore for information as it becomes available. Textbook reservation sign up occurs in April and is only available for the fall semester for the Lethbridge campus only.

**Returns Policy**

The Bookstore's policy for returning textbooks and other materials is clearly stated on the 'Return Policy' attached to the receipt with your purchase. If you are unsure whether an item is returnable, please ask the Bookstore staff for clarification.

**Used Book Sell Backs**

If a textbook is going to be used the following semester, and the Bookstore requires inventory, we will purchase good quality used copies from students. This service is available daily, except during semester opening (watch for time changes). As well, the Bookstore sponsors semi-annual 'Used Book Sell Backs' during exam week in April and December. Exact dates and times are posted on campus and on the Bookstore website.

**Various Forms of Course Materials Available**

The bookstore staff are continually reviewing various opportunities to provide cost savings to our students. Watch for options as they become available such as rental for new and used books, digital formats and special requests from instructors.

4. **BUS SERVICE**

The City of Lethbridge operates a regular bus service between west Lethbridge and downtown in accordance with a published schedule, including two stops at the campus.

Bus passes and additional information on schedules are available from the Students' Union Rockerman's Service Centre (SU 232) and the City of Lethbridge.
7. CAMPUS WOMEN'S CENTRE (CWC)

The Campus Women's Centre offers many services to the University and its surrounding community. It's a safe, quiet place where women (and men) can come to talk. Student volunteers, experienced with student life on campus, are easy to talk to and can relate to issues such as frustrations with roommates, juggling home life with school life and personal conflict. Although the Campus Women's Centre is not a licensed counselling centre, student volunteers are trained to recognize when someone is in need of counselling services and will direct them accordingly. The Campus Women's Centre can facilitate help for students through contact with local organizations such as the YWCA, the Womanspace Resource Centre, shelters and food banks.

The Women's Centre has a wide range of pamphlets and information about topics including sexual health, birth control, cancer, STIs, pregnancy, nutrition, HIV and AIDS, drug and alcohol abuse, sexual abuse, mental health, spirituality, feminism, daycare services, self-esteem, losing weight and piercings.

Throughout the year, the Women's Centre organizes and participates in a variety of events impacting women in our society today. These events include National Day of Remembrance and Action on Violence Against Women, International Women's Day, Breast Cancer Awareness Month and AIDS Week.

Currently each student contributes a levy fee of one dollar in the fall and spring semesters. Since the Women's Centre fee is not compulsory, students may choose to opt out. To do so, students must submit a formal email request, indicating their full name and University ID number from a valid 'uleth.ca' account. Alternatively, students may stop by the office (SP150) and fill out an opt-out form. Refunds will be administered during the last week in October for the fall semesters and the last week in February for the spring semesters. Applications and requests for opt out must be submitted prior to the refund dates. Students will receive an email confirmation instructing them to come to the Women's Centre in person to receive their refund in cash. A valid University ID card is required.

8. CAREER & CO-OP SERVICES (CCS)

Career & Co-op Services provides a comprehensive service to students in all stages of career development. The co-location of Career and Employment Services (CES), Applied Studies and the Co-operative Education/Internship Programs of the Faculties of Arts and Science and Management provides students with one-stop shopping for their search for employment and for their career development needs.

Information on the Faculty-based programs can be found elsewhere in this Calendar:

**Arts and Science**
- Applied Studies - see Part 7 - Arts and Science, Section 7 (p. 100)
- Applied Studies website: www.uleth.ca/apst
- Co-operative Education/Internship Programs - see Part 7 - Arts and Science, Section 11 (p. 102)
- Arts and Science Co-operative Education website: www.uleth.ca/coop/fas

**Management**
- Co-operative Education Program - see Part 11 - Management, Section 5 (p. 209)
- Faculty of Management Co-operative Education website: www.uleth.ca/management/programs/undergraduate/enhance-your-resume/co-op-program

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9. CATERING AND FOOD SERVICES - PROVIDED BY ARAMARK HIGHER EDUCATION

Aramark is a world-class corporation operating dining services at hundreds of universities and colleges across Canada and around the world.

Aramark Higher Education has opened new retail food outlets and offered and enhanced dining and catering experience to our students, faculty, staff and guests of the University of Lethbridge.

Food services are provided in an à-la-carte style with a variety of retail food outlets on campus, offering a contemporary range of healthy menu choices to meet most dietary requirements and fully satisfy the needs of our residence students on our mandatory dining plans.

Catering Services provides a full range of services to suit occasions anywhere on campus. Services range from refreshments for small groups, luncheons, full-service formal banquets and receptions. Menus are planned to meet individual client requirements and budgets.

**Locations**

Our signature dining outlet is located adjacent to the Atrium on Level 6 of University Hall. This newly renovated concept includes a completely rejuvenated décor with personal service stations offering fresh made-to-order selections including hand-made pizzas, calzones and bakery items, a Euro-style deli...
featuring homemade soups, salads and sandwiches, home-cooked entrée station, fresh made sushi station, custom pasta or stir-fry station and full service BBQ grill. Menus are rotated weekly featuring ‘home-style’ comfort food as well as new and innovative menu ideas. In addition, our signature outlet will feature holiday fare and special menus throughout the year including themed buffets and special events.

Aramark Office (W 620)
Catering Office (catering@uleth.ca or 403-329-2491)
Starbucks (Library Building, 9th floor)
Markin Starbucks Cafe (Markin Hall, Atrium)
Subway (University Hall, 6th floor)
Tim’s Express (University Hall, 6th floor)
Tim Hortons’ (First Choice Savings, 2nd floor)
Urban Market (University Hall, 6th floor)

To learn more about our food services, please visit: www.campusdish.com/en-US/CA/Lethbridge

10. CHAPLAINCY
Chaplains provide private consultation to any University student or staff in relation to spiritual or religious needs. The Chaplaincy consists of Ministers of many faiths. Participating Chaplains have regularly scheduled hours for consultation. The Chaplain’s office is located in Anderson Hall (MH4054). For more information please call 403-317-2849.

11. CKXU RADIO
CKXU 88.3 FM is a community-based campus station with a mandate to showcase, promote and enhance southern Alberta’s diversity.

The station and its volunteers are committed to serving the interests of both the University community and the community at large. In addition to its musical programming, the station is dedicated to giving voice to issues and points of view under-represented in mainstream media.

CKXU offers many opportunities apart from on-air programming, including advertising, fundraising and assisting with production as well as news, sports and spoken-word programming. An interest in diversity and a willingness to learn is all that is required.

To learn more, drop by CKXU’s offices in SU164. More information about the station, including program listings and an Internet audio feed, is available at www.ckxu.com.

12. CONFERENCE AND EVENT SERVICES
Conference and Event Services provides support for the extended learning of faculty and students enabling the most recent research and knowledge to be shared on campus with both our on-campus and local communities. Conference and Event Services coordinates conferences, meetings, special events, the on-campus hotel and provides support for the University, southern Alberta community and casual guests within a sustainable environment.

Conveniently located, the on-campus hotel provides easy access to University facilities as well as the downtown core. We aim to provide comfortable accommodations at affordable prices. Providing full accommodations May to August and limited accommodations September to April, we are the only hotel on the west side of Lethbridge.

Conference and Event Services can help coordinate every aspect of your event, from setup to take down. Our on-campus meeting spaces can be rented to accommodate groups of five to 450 people. Our rooms are located across campus and can provide you with cost-effective, state-of-the-art venues that can accommodate all the requirements of your next meeting, conference or group event.

C Catering Office (catering@uleth.ca or 403-329-2491)

Call 403-329-2244; fax: 403-329-5166; email: cnf@uleth.ca
Book everything online through our website: www.uleth.ca/conference

13. CONVOCATION
Convocation is the culmination of a student’s hard work at the University of Lethbridge; it is the formal ceremony where students don a cap and gown and receive their degrees, diplomas or certificates. Ceremonies are held in the spring and fall. Convocation is organized by a dedicated group of individuals representing many departments across campus including: the President’s Office, Registrar’s Office and Enrolment Services.

14. COUNSELLING SERVICES
Counselling Services is located in Turcotte Hall (TH218). The primary purpose of Counselling Services is to contribute to the total well-being and development of individual students. Personal counselling, career counselling and academic skills development programs are offered to assist students in realizing their educational, social and personal potential. The office’s services are extended without charge on a confidential basis.

Although Counselling Services normally operates on an appointment basis, counsellors see students experiencing a personal crisis as quickly as possible. After-hours and weekend emergencies should be handled through Campus Security (403-329-2345) or the emergency service at Chinook Regional Hospital. Personal crisis situations experienced after hours should be directed to the Distress Line of Southwestern Alberta (403-327-7905 or 1-888-787-2880)

Students with career, personal and/or academic concerns are encouraged to make a counselling appointment before the situation becomes overwhelming. For an appointment call 403-317-2845 or go to TH218.

Counselling Services website: www.uleth.ca/counselling

For employees of the University, counselling is available through the Employee Assistance Program. Call 403-329-2494 for further information.

15. ENROLMENT SERVICES
The Enrolment Services department includes student recruitment, student engagement and student communications. The department is responsible for events, programming and support for prospective students and their families, high school and college guidance counsellors, and current University of Lethbridge students, as well as University Faculties and staff. Events include Open House, Information Evenings, New Student Orientation and Convocation.

Programming includes prospective student advising, Mentor Mail, student communications, campus tours, student-for-a-day, tutoring, study skills and learning strategies, as well as mental health awareness and education. Resources such as the Viewbook, Parent and Family handbook, To-do List, prospective student website and the off-campus housing directory are created and maintained by Enrolment Services.

For more information, please contact 403-329-2762, inquiries@uleth.ca, or visit discover.ulethbridge.ca.

16. HEALTH CENTRE
Confidential services include the following:

- Medical Clinic is available on Campus- Physician Clinics (Monday through Friday)
- Psychiatrist Clinics (limited appointments and by referral only- talk to us if you need an appointment)
• Mental Health Assistance- a mental health nurse, mental health therapist, physician and dietitian are available to assist students
• Dietitian service (talk to us about making an appointment)
• Nursing Assessment and Care (one-on-one education, treatments and questions)
• Communicable Disease Management
• Basic Health Insurance Inquiries
• Health Education
• First Aid Coordination- First Aiders and first aid kits are embedded on the campus. If you need assistance, call Security at 403-329-2345 who will respond quickly 24/7

On-Campus Medical Clinic
Don't have a family physician? Students can see a physician on campus Monday through Friday. Book an appointment for any health concern or your yearly physical by calling 403.329.2484 (extension 1) and ask for an appointment. The Clinic also accommodates needs for allergy and other injections, specific treatments, third party medicals, etc (talk to us about planning your specific health needs).

On-Campus Mental Health Assistance
The Health Centre and Counselling Services work to assist students with mental health care. We have a mental health team to assist with care which includes a mental health nurse, a mental health therapist, a dietitian, administrative support, a physician and two psychiatrists. Psychiatrists are physicians who have extra training/expertise in mental health. Appointments are by referral, talk to us if you believe you need one.

Nursing Assessment and Care
Nurses are available for discussions on health issues and health planning for specific subjects. If you have a chronic health issues that requires medical plans while you are at the University, come to see one of the nurses. Drop into the Health Centre to book an appointment to discuss your needs.

On-Campus First Aid
Call 911 for an ambulance if emergency medical aid is required. When directed to hang up by the 911 Operator, call Campus Security at extension 2345 or 403-329-2345 at any time during the day or night. For any on-campus first aid, call Security at 403-329-2345 for immediate first aid service.

The University of Lethbridge strives to work together within the community to maintain a safe experience on campus. To best manage emergencies on campus or during off-campus excursions, faculty are encouraged to contact the First Aid Coordinator at 403-332-4469 for any questions or assistance pertaining to first aid preparedness including training, equipment and planning. Occupational Health and Safety First Aid Code, or departmental first aid plan development.

Communicable Disease Management
The Health Centre will inform the University community about specific disease management for campus-wide illnesses. Remember, the first defence against viruses is simply washing your hands and protecting others from your cough or sneeze. Check out our website for more information. Health Centre website: www.uleth.ca/hr/health-centre

Health Education
Campus-wide health education events are held throughout each semester and are located in a variety of places on campus. Check out the electronic student magazine, Student Health 101, distributed monthly to your student email. It is full of helpful tips to get through the semester, read it here: www.read101.ca/uleth.html

Health Insurance
There are two types of health insurance. First, by law, all students MUST have basic provincial health insurance (this pays for doctor's bills, hospital care and most medical tests). Usually, this insurance is from your home province. If you have questions about the Alberta Health Care Insurance Plan (AHCIP) or your home province insurance, please ask the Health Centre staff. Second, there is an extended benefit plan which assists in paying for items not covered by provincial health insurance.

Students should either have an extended benefit plan from their work or family or have the Students' Union Health and Dental Plan. The Students’ Union Health and Dental Plan assists with the cost of medications, ambulance rides, therapies and dental costs. If you have questions about the Students’ Union Health and Dental Plan, drop by SU 180.

Note: The University does not assume responsibility for the cost of medical treatment or hospitalization.

We want you to learn about your own health as you grow academically. Please ask for help when you need it!

The Health Centre is open Monday through Friday in SU020. Call 403-329-2484 or drop by for appointments.

Health Centre email: healthcentre@uleth.ca.

Health Centre website: www.uleth.ca/hr/health-centre

Follow us on Twitter: @ULetHealth www.twitter.com/ULetHealth

LIKE us on Facebook - University of Lethbridge Health Centre

www.facebook.com/UniversityOfLethbridgeWellness

17. HOUSING SERVICES
‘Come Live With Us!’
Our focus in Housing Services is to provide students with the best possible environment for academic success and personal development. Residence Life programming is offered and coordinated through live-in Residence Assistants. Some examples of the programs and workshops offered in the past include time management, aerobics, health and nutrition, substance abuse, study skills, exam preparation, library use, tutoring, movie nights, cabarets, resume writing and effective interview and job search skills.

The convenience of living on campus, together with access to the University's services and programs, gives students educational, social and cultural advantages. Residents tend to be more involved in campus life, build stronger friendships than their off-campus counterparts and develop greater tolerance and understanding. All this adds up to an enhanced opportunity to graduate from the University of Lethbridge.

Campus Housing Choices
The University provides campus housing for single students in fully-furnished bedrooms, self-contained apartment units and townhomes. For students with families, we provide unfurnished townhomes. Units meeting the needs of the physically challenged are also available. Students directly out of high school and in their first year of study are assigned to the traditional-style units in University Hall and to the apartment-style units in Kainai House. The Pikani House, Tsuu T’ina House, Residence Village (RV) and Mount Blakiston House units are assigned to students in their second and subsequent years of study. The unfurnished townhomes in Siksika House are generally for married, common-law or single students with families.
New High School Graduates

University Hall Residence - Our most convenient, on-campus accommodation offers 276 single and double rooms within University Hall itself. These fully-furnished rooms are available on the first four floors and are reserved for first-year residents coming to the University directly from high school. The residence is equipped with common rooms, a games room, a laundry centre and an activity centre. The Library, main campus food outlet, study rooms and computer labs are conveniently located and most academic areas are accessible without going outside on inclement days.

Kainai House - Our Kainai House apartment building accommodates 155 students in one, two, four and six bedroom, fully furnished units. All bedrooms are single occupancy and suites are assigned on a bedroom-by-bedroom basis. Swipe-card laundry facilities are provided on each floor. This complex also includes study and meeting rooms, television lounge and games room. The apartment building is conveniently located south of Aperture Drive, just a short five-minute walk away from the centre of campus.

Residence Dining Plan

All University Hall and Kainai House residents must participate in the Residence Dining Plan as these rooms are offered on a ‘Room and Board’ basis only. Further information can be obtained from the Campus Dish website on meal plans, or by calling Food Services and Catering at 403-332-4475.

Website: www.campudish.com/en-US/CA/Lethbridge

Transfer and Continuing Students

Aperture Residential Park Single Housing Apartments and Townhomes - Our apartment and townhouse-style buildings accommodate 535 students in studio, one, two and four bedroom, fully furnished units. All bedrooms are single occupancy and suites are assigned on a bedroom-by-bedroom basis. Study areas, swipe-card and coin-operated laundry facilities and barbecues are provided in each residential area. These complexes include a computer room, cardiovascular room, study and meeting rooms, television lounge and games room which are available to all residence students. The Piikani House, Tsuu T’ina House, Residence Village and Mount Blakiston House buildings are located south of Aperture Drive.

Aperture Residential Park Family Townhouses

Housing for married, common-law, or single students with families is provided in Siksika House with one, two and three bedroom townhome units. All townhomes have a refrigerator, stove and window coverings. Nine bedroom units are reserved for the physically challenged. The three bedroom units include a washer and dryer. Central coin-operated laundry facilities are available in each of the buildings for the other tenants. Each home has its own entrance and balcony, with living room and kitchen on one floor and bedrooms on a separate level. The townhomes are located just south of the two apartment buildings in Aperture Residential Park.

What You Should Bring for Comfort

The following items are suggestions only: personal computer, circuit breaker-equipped power bar, extension cords, stereo/radio, alarm clock, hair dryer, towels, toiletries items, athletic gear, iron, laundry soap, cleaning supplies, vacuum cleaners and bedding.

Note: All electrical appliances must be CSA approved.

Application Process

Applications are accepted starting in September for the following September occupancy. Applications may be obtained online at www.uleth.ca/housing. You must apply to the University of Lethbridge for Admission prior to being eligible to apply for campus housing. Once you have received your U of L ID number you may log on to the Housing Residence Portal to apply. All applications must be accompanied with a non-refundable application fee plus deposit payable online.

Students are advised to apply as early as possible to improve their chances for accommodation. Newly admitted applicants, applying before April 1, will have their names entered into an accommodation lottery. Approximately 75% of the allocated beds will be randomly selected. The names drawn will be guaranteed accommodation prior to May 15. Returning students, whose applications are received by January 15, will participate in a lottery draw for 75% of the allocated beds. Others will have their names placed on the application list in priority order, according to date received.

Offer of Accommodation

Once accommodation is assigned, the student is advised through an Offer of Accommodation letter via email. This letter must be signed and returned, along with the second advance payment, by the deadline date stated in the offer. Failure to meet this deadline will result in cancellation of the application and loss of the first advance payment.

Security Deposit

All students staying in campus accommodation will be required to submit a security deposit of $300 for single student housing or the equivalent of one month rent for family housing. Interest will be payable on any unused amount if applicable under Provincial Government Statute. Security deposits will be used to cover any outstanding housing-related charges deemed payable upon termination of occupancy, including cancellation fees, damage, cleaning, lost keys, dining plan, etc.

The security deposit shall not be deemed to constitute a limit for any charges which may be incurred under the lease.

Cancellations

Applicants who are declined admission to the University, who cannot be accommodated by Housing Services by the first day of classes, or who cancel their application in writing prior to June 1, may request a refund of all advance payments, but must do so within one week of the start of classes. Cancellation for any other reason will be subject to forfeiture of the advance payments according to the cancellation schedule as outlined in the Offer of Accommodation. The refund amount for these cancellations is based on the date upon which written notice is received by Housing Services; therefore, students are advised to contact Housing Services as soon as their plans change. (Cancellation over the Christmas break may be submitted by email to housing@uleth.ca.) All cancellations received after a student has moved into residence are subject to one calendar month notice. Failure to provide this notice will result in next month rent charges.

Housing Services may be contacted at the University of Lethbridge, 4401 University Drive, Lethbridge, Alberta, T1K 3M4; phone: 403-329-2584; fax: 403-329-2030; or email: housing@uleth.ca
Fees
Rates for single student housing (Traditional-Style, Apartments and Village Townhomes) and for the Residence Dining Plan must be paid at the beginning of each semester.

A utility surcharge may be levied to offset increased utility costs due to the effects of deregulation and the resulting inflationary impact.

Rental rates include all utilities except telephone line and Internet access and are based on a two-semester (single) or 12-month (family) contract. Arrangements may be made with Housing Services for a 12-month contract for single students (September-August).

Emergency Response/Internet Digital System Fee
All residence bedroom spaces are equipped with the VoIP (Voice over Internet Protocol) communication system, which provides each resident with Internet access and a telephone in their room. The system allows for efficient communication within residence for emergency response in the event of critical incidents. A mandatory $72 fee is levied to each resident per semester.

Organization of Residence Students (ORS)
The ORS provides community development opportunities to meet, interact and socialize in the academic atmosphere for the benefit of each member and the community as a whole. A $45 membership fee is levied to each resident per semester.

Policies
The University has policies, regulations and programs to provide for the students’ personal, academic, social and cultural growth, as well as their privacy and well-being. Breach of these policies and certain Criminal Code offences will be grounds to terminate the students’ use agreements and evict them from University Housing. Housing policies are available online at www.uleth.ca/housing (refer to Residence Community Handbook).

Summer Housing
Students working or studying in Lethbridge over the summer are invited to stay in our residence. Special contract terms and rates are available. Accommodation is available in the Residence from approximately May to August for summer session students and for conferences, seminars, meetings, visiting faculty and guests to the University. Daily, weekly and monthly rates are available for casual visitors.

Special contract terms and rates for summer sessions and EAP programs are available.

Contact us for more detailed information:

Housing Services
University of Lethbridge
4401 University Drive
Lethbridge, Alberta, T1K 3M4
Phone: 403-329-2584
Email: housing@uleth.ca

Housing website: www.uleth.ca/housing

18. INFORMATION TECHNOLOGY SERVICES
The Department of Information Technology Services provides computer support to the University community.

Student computing facilities are supported by the ITS department at the following locations:

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 147 lab</td>
<td>1 general purpose PC lab</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>E6 labs</td>
<td>3 general purpose PC labs</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>W 650 lab</td>
<td>Mixed PC/Mac study lab</td>
<td>Open 24 hours</td>
</tr>
<tr>
<td>Library</td>
<td>50 distributed PC computers</td>
<td>Library hours</td>
</tr>
<tr>
<td>Email stations</td>
<td>50 PC computers</td>
<td>Open 24 hours</td>
</tr>
</tbody>
</table>

Additional lab facilities can be located using the campus interactive map (www.uleth.ca/campus-map).

All computer facilities are equipped with a broad selection of current software that include Office Suite, productivity and creative packages as well as a large selection of class-specific software. Printing is available for a nominal fee using the campus Bridgebucks card system. Scanners are available for student use in the main lab locations.

A number of other departments maintain additional computing facilities, including Computer Science (60 Linux stations), Geography (25 PC computers) and Modern Languages (36 PC computers).

Wireless networking is available in most areas on campus. Service is available via two different methods:

Enhanced Wireless (Student @ UofL)
The enhanced network will require you to enter your student username and password and provides access to additional services that are not available to guests. This is the preferred network for general student use.

Hot Spot Wireless (Guest @ UofL)
This service is a general-use public Internet connection. Simply connect to the “Guest @ UofL” wireless network and you will be able to browse the web and access email.

All students on campus automatically receive an email account at no charge. For more information, please contact the ITS Solutions Centre at 403-329-2490.

Computer Use Policy:
www.uleth.ca/policy/computer-use-policy.

Information Technology Services website: www.uleth.ca/it
members who work together on a public interest issue; groups may focus on research, events, action, publications or other activities and have long-term goals). LPIRG also facilitates opportunities for skill development through educational events, public campaigns and partnerships with community organizations.

To find out more about LPIRG funding, events, volunteer opportunities, or the opt-out process, please contact us:

Office phone: 403-332-5243
Office location: SU 242 (U of L Students’ Union Building)
Email: pirg@uleth.ca
Website: www.lpirg.org

22. LIBRARY

The University of Lethbridge Library promotes personal learning through rich and relevant collections, innovative technologies, exemplary assistance, quality instruction, and varied learning and study spaces.

Library Website

The Library’s website provides access to resources and services which are available both on and off campus. These resources and services include access to electronic indexes and databases; the library catalogue; e-journals, e-books and other electronic resources; a virtual tour; ‘help’ guides; and electronic reference services. Off campus access to licensed online resources such as e-books, online journals and electronic indexes/databases is restricted to current U of L students, faculty and staff.

Library website: www.uleth.ca/lib

On-Site Services

Assistance: Library staff members are here to assist Library users with class assignments, research questions, and can provide instruction in the effective use of information resources and the tools available to locate them. To get help with your information needs, submit a question via our online “Ask Us” reference service (www.uleth.ca/lib/Ask_Us), use our instant messaging reference service, or stop by the Information and Research Assistance Desk on Level 10 to talk with one of our talented reference staff. A variety of tours of physical and virtual resources are offered at the beginning of the fall and spring semesters, or by special request.

Collections: The Library provides access to educational materials in a variety of formats that support the University’s academic and research programs. There are roughly 1.4 million physical items in the collection including books, journals, government publications, audiovisuals, maps and microforms. The Library subscribes to electronic resources in a variety of disciplines including indexes and databases, e-books, e-journals and government documents.

Borrowing: Individuals with a validated U of L Campus ID Card (including alumni) are entitled to borrow circulating materials from the Library. Also available is the Alberta Library (TAL) card which can be used to borrow books directly from participating libraries throughout Alberta. Community members may purchase a membership or use their TAL cards from their home libraries to borrow books. Loan periods vary depending on the type of material borrowed, and some items are non-circulating. Materials in heavy demand, such as required readings for courses, may be placed on reserve and are subject to shortened loan periods. For further information regarding borrowing privileges, you can visit the General Services Desk on Level 10 or go to the “Services” section of the Library website at www.uleth.ca/lib.

Interlibrary Loans: The Library will try to obtain—for faculty, students and staff—materials required for study and research that are not available at the University of Lethbridge Library. To request an Interlibrary Loan, go to the “Services” section of the Library website at www.uleth.ca/lib.

Media: A collection of equipment is available for use on site as well as for loan (pc/mac laptops, projectors, digital and analog camcorders, audio recorders, etc). Visit the General Services Desk on Level 10 to book, borrow, or obtain assistance in using available equipment. Some services are restricted to faculty, staff and students of the University. For more information on Media, go to the “Services” section of the Library website at www.uleth.ca/lib.

Study and Creative Facilities: The Library provides a variety of individual and group learning study spaces including study tables, carrels and group work rooms. The Library provides access to general use computers equipped with a variety of productivity software and applications. The Library also provides access to hardware and software to support production of multimedia projects. Listening and viewing equipment is available for use with a variety of media types. Group work rooms are equipped with wall-mounted monitors for connection to laptops (perfect for collaboration or practicing presentations). Wireless network access is available on all three levels of the Library. A number of computers with specialized software and devices are also available to assist students, faculty and staff with disabilities. Copiers/printers are available on all three levels of the Library.

Faculty of Education Curriculum Laboratory

The Curriculum Laboratory, located on Level 11, is a learning resource centre designed to support the Faculty of Education's teacher education program. Multi-format materials relevant to the Alberta school curriculum are available for preview and/or loan. Collections and facilities include group study spaces, Mac computers, a scanner, and other preview and materials preparation equipment that are available to users when the Library is open. Circulating materials are signed out and returned at the Library's General Services Desk.

Curriculum Lab website: www.uleth.ca/education/currlab

Policies

The University has policies, plans and publications to provide users with fair and equitable access to Library materials, resources and services in a productive and safe environment. Users and visitors are expected to engage in behaviour consistent with these goals. Library policies are available online at www.uleth.ca/lib.

Library Hours

The Library’s hours vary throughout the year. Please check the Library’s website, www.uleth.ca/lib/hours for current Library hours.

Library website: www.uleth.ca/lib

23. MAIL SERVICES

The Mail Services Office, located in the Park Way Service Complex, is not a full service outlet for the public. Pre-stamped outgoing mail may be deposited any time in the red mail boxes located in the following places:

- University Hall - Level 6 (across from east patio)
- Students’ Union Building - Level 2 (across from the Bookstore)
- Physical Education Building - Level 2 (across from the Recreation Services Office)

Postage stamps may be purchased at the Students’ Union Rockerman’s Service Centre (SU 232).
24. NATIVE STUDENT ADVISING

The Native Student Advising Office is located in the ikaiaskini, (Low Horn) First Nations, Métis, and Inuit (FNMI) Gathering Place in Paterson Centre. This is a free, confidential service for those students who self-identify as FNMI. The primary role of the advising office is to guide, encourage and empower students in the university environment.

The advisor can help you make the transition to the U of L by helping you access services such as:
- Housing
- Scholarships and loans
- Financial planning
- Academic planning
- Personal counselling
- Career and employment counselling
- Student success centre
- Elder support

In addition, an advisor can connect you to your FNMI community on campus such as:
- First Nations’, Métis, or Inuit support person in your program
- Native American Student Association
- University of Lethbridge First Nations’, Métis, and Inuit Alumni Chapter
- Elder support
- Financial planning
- Scholarships and loans
- Student success centre
- Personal counselling
- Career and employment counselling
- Student success centre
- Elder support

For an appointment call 403-394-2718, 403-332-4455 or 403-317-2812 or visit the ikaiaskini Gathering Place (Paterson Centre). The Gathering Place is a great place to study and has four computer terminals.

FNMI website: www.uleth.ca/first-nations-metis-inuit

25. OFF-CAMPUS HOUSING

Enrolment Services maintains a current off-campus housing registry listing properties available for rent in Lethbridge. You can access the list online or pick up a paper copy in the Enrolment Services office, SU065. We can also mail you an up-to-date list of available options. Please contact Off-Campus Housing at 403-329-2092 for more information.

Off-Campus Housing website: www.uleth.ca/offcampushousing

26. OFFICE OF THE ASSOCIATE VICE-PRESIDENT (STUDENTS)

The Office of the Associate Vice-President (Students) includes the Registrar’s Office and Student Services (RESS); First Nations’, Métis, and Inuit Centre; and Retention Integrated Planning. Student Services include the Accommodated Learning Centre, Career and Employment Services, Counselling Services, Native Student Advising and Scholarships and Student Finance. Details of services provided by each of these units, as well as by the Registrar’s Office, are available elsewhere in this part of the Calendar.

The Office of the Associate Vice-President (Students) is located in Anderson Hall and can be reached by phone at 403-320-4432.

RESS Website: www.uleth.ca/ress

27. PRINTING SERVICES

Printing Services provides quality material and service in the following areas: offset printing and design, wide-format printing, custom learning resources, high-speed copying and Venda card-operated copiers.

Copy Centre (Park Way Service Complex)

With fast turnaround times, the Copy Centre offers high-speed photocopying, digital printing, black and white and/or colour copies, collating, folding, stapling, and punching, and a number of different covers and bindings.

Note: Copyright permission is the responsibility of the individual requesting copies and must be obtained from the author and/or publisher of the work. For more information regarding copyright, please contact the Office of the University Copyright Advisor (email: copyright@uleth.ca; phone: 403 332-4472).

Offset Printing and Design (Park Way Service Complex)

Typesetting and design, offset printing and Printing Services administration are located in the Park Way Service Complex. Everything from business cards and forms to full-colour posters, (including wide-format printing up to 44 inches), banner stands, and complete book production may be accommodated. We can take any printing project from an idea to the design and layout stage through to production, finishing, and binding.

Venda Photocopiers/Printers

Venda card-operated photocopiers/printers are located throughout the Library: in the Level 6 Atrium; in Anderson Hall; and in the University Hall, E6, and computer labs. The Venda copiers accept Bridge Bucks—using your U of L Campus ID Card, you can add value at the Cash Office (AH144); at Food Services (A681); and at the cash load stations located in the Library, next to Tim Hortons in the 1st Choice Savings Centre for Sport and Wellness, at the entrance to the E6 computer lab, outside of the computer lab in Anderson Hall, in the main atrium of University Hall, and the Library (L911). Your Bridge Bucks account can be used to operate these copiers as well as a number of other services on campus.

Printing Services is open Monday to Friday (Park Way Service Complex; tel. 403-329-2625).

Printing Services website: www.uleth.ca/printing

28. REGISTRAR’S OFFICE

The Registrar’s Office (RO) houses a number of units that assist students with everything from an introduction to the University, to registering in courses and applying for graduation. The units located in the Registrar’s Office include Admissions; Curriculum Management Services; the Information Centre; the Student Information System (SIS) team; and Student Records/Registration.

This office is responsible for producing the Calendar and the Timetable; managing admissions, registration and Convocation; maintaining the official student record; responding to inquiries about student records; providing access to grades at the end of each term; and issuing transcripts.

RO website: www.uleth.ca/ross

29. SPORT AND RECREATION SERVICES

Pronghorn Athletics (403-329-2681)

The intercollegiate athletics program has been an integral part of student life at the University of Lethbridge since 1969. Any full-time student interested in participating in an athletic activity at a high competitive level is eligible to try out.

Currently the University of Lethbridge has the following athletic teams:
- Men's and Women's Basketball
- Men's and Women's Ice Hockey
- Men's and Women's Soccer
- Men's and Women's Swimming
- Men's and Women's Track and Field
- Women's Rugby
The University of Lethbridge Pronghorns compete in the Canada West Conference of Canadian Interuniversity Sport (CIS). The Pronghorns are full members of CIS which represents universities across Canada and operates annual National Championships for the four university conferences across the country.

As a result of the high level of athletic competition, many Pronghorn athletes have represented the province and the country in national and international competitions. This speaks well for the calibre of coaching and the quality of athletes at the University of Lethbridge.

All student athletes who maintain the appropriate academic standing are eligible for financial assistance, in the form of scholarships, awards and grants through Scholarships and Student Finance.

For those people who are interested in athletics but are not able to compete, the Athletics program offers other opportunities, such as team managers, athletic trainers, minor officials and event coordinator positions.

University of Lethbridge students are entitled to reduced admission prices to regular season Pronghorn home athletic events.

Athletics website: www.gohorns.ca

Facilities and Services (403-329-2706)
The 1st Choice Savings Centre for Sport and Wellness facilities at the University of Lethbridge include the following (hours of operation may vary):

- Fitness Centre
- Ascent Climbing Centre
- Max Bell Aquatic Centre
- Triple gymnasium (seating for 2,000 spectators)
- 4-lane 200-metre indoor track
- Stadium - artificial turf, lights, 8-lane 400 metre track
- Multi-purpose rooms
- Dance and fitness studio
- Research laboratories
- Kinesiology classrooms
- Pronghorn Ticket Centre

Customer Service Centre (403-329-2706)
The Customer Service Centre is located on Level 1 of the 1st Choice Savings Centre for Sport and Wellness in PE160. All student athletes who maintain the appropriate academic standing are eligible for financial assistance, in the form of scholarships, awards and grants through Scholarships and Student Finance.

For those people who are interested in athletics but are not able to compete, the Athletics program offers other opportunities, such as team managers, athletic trainers, minor officials and event coordinator positions.

University of Lethbridge students are entitled to reduced admission prices to regular season Pronghorn home athletic events.

Athletics website: www.gohorns.ca

Risk Awareness
Sport and Recreation Services will not be held liable for any injury or death resulting from the use of Sport and Recreation Services equipment or participating in any activity/program nor in no way be responsible for: medical or dental expenses; ambulance expenses; damage, theft or loss of personal equipment, eye glasses or contact lenses incurred while participating in any activity/program. Each person has a different capacity for participating in physical activities, programs and services. You should be aware that all activities, programs and services offered are educational, recreational or self-directed may involve inherent risks and that your participation in any and all activities, facilities, programs and services provided by Sport and Recreation Services is strictly voluntary.

Your participation in any and all activities, facilities, programs and services provided by Sport and Recreation Services is at your own risk and you assume full responsibility for your choice to use and/or apply the information or instruction you receive and assume any and all risk of injury, illness, damage, loss or expense that might result.

Part of the risk involved in undertaking any exercise activity or program is related to your own state of fitness or health. It is understood that your choice to participate in any activity, service or program brings with it the assumption of those risks stemming from your choices and the fitness, health, awareness, care and skill that you possess and use. If any risk factors related to engaging in physical exercise pertain to you, it is to be understood that you should have received clearance from your physician to engage in physical activities of the sort or type you have chosen to participate in.

Facility Bookings (403-329-2658)
For all facility bookings and rentals please call 403-329-2658.
30. STUDENT AWARDS - SCHOLARSHIPS AND BURSARIES

The University of Lethbridge offers a wide range of awards that serve to recognize the achievements of students who pursue their university education at the University of Lethbridge. These awards are granted based on academic achievement as well as other factors (e.g., financial need, leadership potential, community involvement, artistic ability).

Students are eligible to apply for awards if they are:
• an applicant entering the University from high school or from another post-secondary institution; or,
• a student continuing his/her studies at the University of Lethbridge.

While not all awards require the student to apply, an application is strongly recommended for students who feel that they may qualify for awards. Application forms for most awards are online on the Bridge and information on procedures are available at Scholarships and Student Finance, located in Anderson Hall (AH 151; 403-329-2585) or online at www.uleth.ca/ross/student-finance/awards.

Deadlines for applications are:

Board of Governors’ Admission and Relocation Scholarships
December 15 (a completed Admission application is required)

Entrance Awards - High School students
Fall Entrance Awards - March 15

Entrance Awards - Transfer students
Fall Entrance Awards - June 15

Undergraduate Awards - Continuing students
University-administered Awards - May 1

General Policies and Procedures

For a complete description of awards administered by the University of Lethbridge, please refer to Part 15 - Awards and Scholarships in this Calendar.

Liability: The University assumes liability for the payment of scholarships, bursaries, prizes and other awards only to the extent that expected gifts from donors or returns from particular investments of endowed funds are realized.

Application: To be eligible for awards, application forms must be submitted via the Bridge no later than the designated date. Application forms and information are available from the following website:

A student who has not applied for awards cannot claim for the right of consideration by the University.

Academic records: Only academic records from the last five years will be considered for measurement of academic achievement.

Interrupted studies: Students who interrupt post-secondary studies and return after an absence shall be considered for University of Lethbridge awards. Evaluation will be based on the student’s last year of attendance at the University of Lethbridge subject to the rules guiding Undergraduate Awards.

Conditions: Unless otherwise stated, awards made to full-time students are conditional on the student proceeding with full-time studies at the University of Lethbridge in the fall and spring semesters following the award. Failure to meet this condition may result in the forfeiture of any unpaid balance.

Replacement: Any award administered by the University of Lethbridge is subject to replacement by an award of equal or greater value.

Payment schedule: Awards totaling more than $1,000 are disbursed in two equal payments: the first on October 1 and the second on February 1.

Deductions: The University may deduct from award payments any funds owed to the University.

Tax receipts: T4A forms will be issued to award recipients by the University or other issuing agency in the spring following the year of the award.

Government Student Loan Programs: It is the responsibility of the student receiving an award, who is currently receiving financial assistance in the form of student loans and grants, to notify the applicable government student loan program as soon as possible regarding the number and value of scholarships, bursaries and other awards.

Deferral: A deferral postpones the payment of a financial award until a student is registered full-time at the University of Lethbridge. A request for a deferral must be submitted in writing to the Coordinator, Scholarships and Student Finance.
by October 31 for the fall semester and February 28 for the spring semester. Justifiable reasons for deferral include:

- Unavoidable circumstances - An award may be deferred when circumstances which are substantially beyond the student's control prevent his/her full-time registration in the semester for which an award was made.

Scholarships and Student Finance website: www.uleth.ca/ross/student-finance

3.1. STUDENT FINANCE - GOVERNMENT STUDENT LOANS AND GRANTS

The Federal, Provincial and Territorial governments of Canada provide financial assistance to help residents in the pursuit of post-secondary education. This assistance is provided in the form of loans and grants. Scholarships and Student Finance provides advising concerning these government student assistance programs.

The level of government financial assistance awarded to a student depends on evidence of financial need and on personal circumstances. In Alberta, parental income is no longer used to determine the loan funding a student can receive. During the 2014/2015 academic year, the maximum amount an Alberta resident was eligible to receive was $13,300 in combined Canada and Alberta student loan funding. Students may also qualify for low or middle income grants in their first and subsequent years of study. Grants are also available for students with dependents and students with permanent disabilities.

Financial assistance is also available to students who are considered to be residents of other provinces and territories. The amount and type of provincial or territorial funding available for out-of-province students varies according to the individual provincial or territorial guidelines.

Government student loans are interest-free while students are attending full-time at a post-secondary institution. To ensure that interest-free status continues during full-time study, it is the student's responsibility to provide appropriate proof of enrolment to all lenders holding the student's loan(s). Repayment of government student loans begins six months after ceasing to be a full-time student.

Students in receipt of financial assistance to attend full-time studies who withdraw completely or revert to part-time studies may be required to repay a proportionate amount of their assistance granted for the current academic session. Furthermore, such assistance for the next semester is automatically cancelled and students may be ineligible to receive further funding for a 12 month period. Students intending to return to full-time studies in the next semester and who require financial assistance must submit a new financial assistance application for the appropriate period of studies.

Students who need to apply for financial assistance should apply prior to the semester in which assistance will be required. Many provinces and territories do have deadlines and it is advisable to check the deadlines in advance of application. Processing of an application can take four to six weeks and processing must be completed prior to the end of the semester to which it pertains.

Independent and Applied Studies courses are classified as one course (3.0 credits) and can only be used in one semester to determine eligibility for student loan purposes. Students taking more than one semester to complete these courses should plan their subsequent semester schedules accordingly.

Payment of tuition and fees are a first charge against assistance received from government student loan certificates and grants/bursaries.

3.2. STUDENTS' UNION

The Students' Union exists to provide advocacy and services for its members. It represents students on University of Lethbridge and the Government of Alberta. Opened in the fall of 1990, the Students' Union Building (SUB) is a joint project of the Students' Union, the University of Lethbridge and the Government of Alberta. O verlooking the Oldman River Valley, the Students' Union occupies 56 percent of the SUB, featuring a retail floor, Zoo pub, conference and major event facilities, food kiosks, convenience store, office suite, club rooms and Alumni offices. The Meliorist, CKXU, Campus Women's Centre, Pride Centre, Lethbridge Public Interest Research Group (LPIRG), U of L Bookstore, Health Centre and the Registrar's Office are also located in the SUB.

Committee Representation

Student representatives serve on various University committees, ensuring the student perspective on matters such as program structure and content, degree requirements, tuition fees and academic regulations is represented. Students interested in committee work or additional information are invited to visit the Students' Union Office (SU180) or contact their VP Academic. Many students have found committee representation to be a rewarding experience. The following committees are only a sampling of those requiring student's representation each academic year:

General Faculties Council (GFC) Committees

- General Faculties Council
- General Faculties Executive Committee
- GFC Admission Standards Committee
- GFC Advisory Committee on Inter-Varsity Athletics
- GFC Curriculum Coordinating Committee
- GFC Discipline Committee
- GFC Honorary Degrees Committee
- GFC Library Committee
- GFC Policy Appeals Advisory Committee
- GFC Recreation Services Advisory Committee
- GFC Space Allocation Committee
- GFC Student Awards Committee

Senate Committees

- Senate
- Senate Executive Committee
- Senate Honorary Degree Search Committee
- Senate Honorary Degree Committee
- Senate Hospitality Committee
- Senate Volunteer Award Committee

For application forms and more information, please visit Scholarships and Student Finance, located in Anderson Hall (AH151) or call 403-329-2585.

More information on Government Student loan programs is available from the following websites:

- www.canlearn.ca
- www.uleth.ca/ross/student-finance (click the "Student Loans" tab)
Applications for the following scholarships and bursaries are available through the University of Lethbridge students. They have a wide range of qualifications to accommodate a variety of circumstances.

The Students' Union makes available over $200,000 in scholarships and bursaries each year for University of Lethbridge students. They have a wide range of qualifications to accommodate a variety of circumstances.

Applications for the following scholarships and bursaries are available through the University of Lethbridge Scholarships and Student Finance Office (AH151; 403-329-2585):

- StudentWise Bursary
- Students' Union Emergency Bursary
- Students' Union/Coca-Cola Bottling Award
- Students' Union Placement Award
- Students' Union Quality Initiatives Bursary
- Students' Union/Coca-Cola Bottling Edmonton and Calgary Scholarship
- Students' Union Community Service Award
- Students' Union International Travel Award
- Students' Union/Coca-Cola Bottling Scholarship
- Students' Union Part-Time Scholarship
- Students' Union Scholarship
- Students' Union Quality Initiatives Scholarship
- Students' Union Scholarship
- Students' Union Part-Time Scholarship
- Students' Union Coca-Cola Bottling Scholarship
- Students' Union International Travel Award
- Students' Union Community Service Award
- Students' Union Coca-Cola Bottling Edmonton and Calgary Scholarship
- Recycling Programs for Scholarships
- Recycle Programs for Scholarships
- Students' Union Quality Initiatives Bursary
- Students' Union Placement Award
- Students' Union Award
- Students' Union Coca-Cola Bottling Award
- Students' Union Emergency Bursary
- StudentWise Bursary

**Provincial and National Affiliations**

**Council of Alberta University Students (CAUS)**

The Students' Union is a founding member of CAUS, the provincial body of representation for university students. CAUS members meet with government representatives and associated committees including the Students Finance Board, Council on Admissions and Transfer and Finance Appeals Board.

CAUS meets regularly to coordinate joint lobbying efforts, as well as exchange information on the operations of student councils.

**Canadian Alliance of Student Associations (CASA)**

The Students' Union is a member of CASA, a national body of representation for undergraduate students. CASA members meet with Federal Government representatives regarding various national issues in education. CASA meets three times a year to lobby the Federal Government and formulate solutions to problems in Canada's post-secondary system.

**Social and Cultural Events**

The Students' Union sponsors many social and cultural events, such as Fresh Fest, cabarets, concerts, speakers' series and a variety of other student-oriented activities. Students are invited to bring any ideas they might have to Council regarding activities they would like to see on campus.

**Services provided by the Students' Union:**

**Clubs**

There are over 70 Students' Union ratified clubs on campus covering many areas of interest. Clubs are the best way to pursue an interest in a non-academic setting, meet people, have fun and expand horizons. All clubs welcome new members with innovative ideas.

To get involved with a club, watch for clubs rush week in the Atrium during the second week of the fall and spring semesters. Here clubs will have information tables promoting what their organization is about. To start up a new club, come to our office and ask for a Clubs Handbook. This guide contains information about how to start and maintain a club and lists the many advantages associated with being an active club on campus. More information can also be obtained at the Students' Union office, on our website at www.ulsu.ca, or by contacting the VP Internal Affairs at 403-329-5155.

**Grade Appeals**

Grade Appeals deal with claims when a student feels his or her course grade has been improperly determined. The Students' Union is here to help students through the grade appeal process. Come to SU180 to pick up pamphlets with advice, sample letters and a checklist to help you in organizing your appeal. We encourage students to seek counsel from the VP Academic at the Students' Union concerning any inquiries about the grade appeal process at 403-329-2770.

**Food Bank**

The Students' Union operates a Food Bank on campus to help students when they are in financial need. Any student with a valid University ID card may access the campus Food Bank. Students must come to our office and fill out a form in order to receive a package filled with a variety of food items. Users are limited to a maximum of two packages per month (10 visit maximum) and will remain confidential. Users are asked to contact the Students' Union at least 24 hours before the time they would like to pick up the hamper to ensure availability at 403-329-2222 or food.bank@uleth.ca.

**Handbook**

The Students' Union Handbook is available free of charge to all students from the Students' Union office while quantities last. The Handbook is a great way for students to stay organized, as it includes a day timer as well as a weekly list of important deadlines. It also contains a variety of local advertisements and coupons to help orientate new students to Lethbridge.

**Health and Dental Coverage**

All full-time students at the U of L who pay Students' Union fees are automatically included in an extended health and dental care program.

The coverage period is from September 1 to August 31. Optional family coverage is also available for an additional fee. Full-time students enrolled in the fall semester pay premiums for the Health and Dental Plan for the full year. Full-time students enrolled in the spring pay premiums for the spring semester only. Regardless of a change in status (e.g., full-time to part-time or student to non-student), all students enrolled...
at the beginning of their respective semester will retain their coverage until August 31.

Students can opt out of the Student Health and/or Dental plan if proof of comparable coverage and a completed waiver form is presented to the Students' Union Health and Dental Plan office. Students may opt out online using the Bridge (www.uleth.ca/bridge). The opt-out deadlines for the fall and spring semesters will be posted at the Students' Union office and throughout the University (see Part 3 - Fees, Section 11. Fee Deadlines, p. 66). The opt-out procedure is annual and must be done each year of the student's enrolment. The deadline set for January is for newly registered full-time students and students upgrading from part-time to full-time only.

Part-time students and students' dependants may add on to the Student Health and/or Dental Plan. For further details, please contact the Students' Union Health and Dental Plan office (SU180) at 403-329-2039.

Photocopying and Faxes
The Students' Union Rockerman's Service Centre provides photocopy service located outside Galileo's. Fax service is also available in the Rockerman's Service Centre.

Recycling
The Students' Union is responsible for campus can and bottle recycling. Recycling bins are located throughout campus. Proceeds from this recycling are used to create and enhance scholarships for U of L students.

Speaker Series
Established in June of 1990, the Students' Union Speaker Series has brought in such noteworthy Canadians as Ben Wicks, Dr. Lloyd Axworthy, Stephen Lewis, Fred Penner, Jacques Parizeau, Peter Mansbridge and Gwynn Dyer as well as international figures such as Dr. Jane Goodall, W. Iliam Sampson and Bill Ny e. For more information or to submit suggestions, please contact the Students' Union Office.

Student Employment
The Students' Union provides part-time employment in many of the Students' Union operations. Applications are accepted in SU 180 from students throughout the year.

The Zoo
As the campus pub, the Zoo is wholly owned and operated by the Students' Union. It is THE place for meeting friends and having a good time.

The Zoo is open daily at 8:00 a.m. to serve breakfast. Featured menu items include a variety of appetizers, pizzas, burgers, sandwiches and vegetarian items. Food and drink specials are offered on a daily basis.

The Zoo is more than just great food as if offers a friendly atmosphere in a smoke-free environment. The pub has a balcony offering a fantastic view of Lethbridge. Enjoy some down time by watching your favourite sports program on the largest screen in Lethbridge or by playing games on the widescreen TV in one of two sofa lounges. The Zoo also hosts a wide range of activities including cabarets, live bands, comedians and theme nights.

By combining two other ballrooms to create a massive hall, the Zoo has the capacity to hold almost any size of event. The public may rent one or more of these rooms for events such as business meetings, conventions, trade shows, or weddings. For more information please visit our website at www.ulsu.ca or call us at 403-329-2222.

Rockerman's Service Centre
Rockerman's Service Centre, located on Level 2 of the Students' Union Building, is the campus convenience store. Students can purchase confectionary items, concert and cabaret tickets, newspapers, magazines and much more. Students also have access to fax and photocopier services as well as microwaves.

Lethbridge Transit Breeze
The Breeze card provides riders with the most economical and convenient method of taking the bus. To purchase your monthly or semester Breeze card, visit the Students' Union Rockerman's Service Centre (SU232).

Food Court
The Food Court is located on Level 2 of the Students' Union Building and offers a variety of food to please your palate.

Badaa's Cafe: Indian Cuisine.

Tivoli: Includes a salad bar, chicken and fries as well as a number of pasta dishes and finger foods.

Hiroba: Chinese food with your choice of buffet-style or made-to-order menu and daily specials.

Smoothie Hut: Smoothies, wraps and pitas.

Icy's: A variety of tacos and similar-type salads. Includes a breakfast menu and healthy frozen yogurt treats.

The Coffee Company: An assortment of specialty coffees, espresso drinks and muffins.

Subway: Gourmet submarine sandwiches on fresh-baked bread, soups and cookies.

Galileo's Lounge
The north end of the Food Court has been converted to a friendly, soft and quiet space. With wireless Internet, computer receptacles and cushy seating, this is the place to unwind, catch up on reading, take a catnap and meet new friends. This space also boasts of a sofa lounge/living room, student gallery, movie wall and observation deck. If you are interested in reserving this room for an art show or maybe showing a movie, please contact us at 403-329-2222.

Additional Information Resource
Visit our website to find more information about our organization, the council and staff and more details about the services we have to offer.

Students' Union website: www.ulsu.ca

33. THE MELIORIST (STUDENT NEWSPAPER)
The Meliorist has been the student newspaper at the University of Lethbridge since 1967. It offers a weekly newspaper service and provides an open forum for all members of the University community and the surrounding area of southern Alberta. The Meliorist Publishing Society is an autonomous body that determines the editorial direction of the paper, with students providing the content. The Meliorist's staff members gain first-hand knowledge in writing, editing, photography, layout and management of a weekly newspaper. State-of-the-art computer equipment is used in the production of The Meliorist. Since its inception, the newspaper has embraced the philosophy of Meliorism, which holds that the world naturally tends to get better as the result of human effort. The Meliorist office is located in SU 166, telephone number 403-329-2334. The Meliorist can also be viewed online at www.themeliorist.ca.
34. UNIVERSITY ADVANCEMENT

University Advancement works to enhance the reputation, build relationships and seek resources necessary to support the student experience, teaching and research goals of the University of Lethbridge.

Comprised of the Departments of Alumni Relations, Advancement Services, Development, Communications and Marketing, and Public Affairs and Government Relations, University Advancement reports to the Vice President (Advancement) and are responsible for the coordination and management of the following:

- alumni relations activities and the Alumni Association;
- fundraising and sponsorship activity;
- government relations;
- media relations and public affairs activities;
- social media coordination and management;
- institutional marketing;
- visual identity and branding;
- internal and external communication coordination and management;
- publications, web development and graphic design.

The office is located on Level 7 (A735) and can be reached by phone at 403-329-2582; fax at 403-329-5130; or email at advancement@uleth.ca.

35. WRITING CENTRE

The University's Writing Centre offers individual consultations with trained academic writing instructors and tutors to students from all Faculties and programs. The Centre provides practical writing support that supplements in-class instruction and helps students understand a wide variety of writing assignments including research papers, summaries, critical essays, literature reviews, annotated bibliographies and lab reports. It also provides assistance with formatting, thesis development, essay organization and grammar and punctuation. The Centre is located in the Library (L1006A).

Appointments can be made online by visiting the Writing Centre website at www.uleth.ca/arts/academic-writing/writing-centre
### ACADEMIC STAFF

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
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<tbody>
<tr>
<td>AITKEN, Nola</td>
<td>Education</td>
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<tr>
<td>ALLEN, Jeremiah Mervin</td>
<td>Economics</td>
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<td>ALI, M. Keramat</td>
<td>Physics</td>
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<td>ARMS, Robert Louis</td>
<td>Psychology and Neuroscience</td>
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<td>ARMSTRONG-ESTHER, Christopher</td>
<td>Health Sciences</td>
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<td>Geography</td>
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<td>ALEXANDER, Herbert Melvin</td>
<td>Economics</td>
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<td>Biological Sciences</td>
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<td>History</td>
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<td>Management</td>
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<td>Chemistry and Biochemistry</td>
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<td>BLAIR, Dean</td>
<td>Music</td>
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<td>Sociology</td>
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<td>Physical Education</td>
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<td>Anthropology</td>
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<td>Physical Education</td>
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<td>Biological Sciences</td>
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<td>Education</td>
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<td>Philosophy</td>
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<td>CADE, William</td>
<td>President and Vice-Chancellor</td>
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<tr>
<td>CAMPBELL, Gordon</td>
<td>Education</td>
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<tr>
<td>CASSIS, Avny Fajez</td>
<td>English</td>
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<tr>
<td>CANTONEL, Hart</td>
<td>Kinesiology and Physical Education</td>
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<td>CHAMBERS, Cynthia</td>
<td>Education</td>
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<td>COOK, William Aubrey</td>
<td>Education</td>
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<td>Education</td>
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<td>Art</td>
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<td>Kinesiology and Physical Education</td>
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<td>Computer Science</td>
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<td>Chemistry and Biochemistry</td>
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<td>DUAR, Bhagwan D.</td>
<td>Political Science</td>
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<td>Political Science</td>
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<td>Theatre and Dramatic Arts</td>
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<td>Music</td>
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<td>Education</td>
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<td>FLETCHER, Roy Jackson</td>
<td>Geography</td>
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<td>FRANTZ, Donald Gene</td>
<td>Native American Studies</td>
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<td>Sociology</td>
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<td>Education</td>
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<td>Modern Languages</td>
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<td>Music</td>
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<td>Art</td>
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<td>HOLMES, Owen Gordon</td>
<td>Chemistry and Biochemistry</td>
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<td>Mathematics and Computer Science</td>
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<td>Mathematics and Computer Science</td>
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<td>HUEL, Raymond A.J.</td>
<td>History</td>
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<td>ICHIKAWA, Akira</td>
<td>Political Science</td>
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<td>INDRA, Doreen M.</td>
<td>Anthropology</td>
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<td>JACKSON, John-Paul Christopher</td>
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**PROFESSORS EMERITI**

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<td>KENYON, Gerald Sidney</td>
<td>Sociology</td>
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<td>KUIJT, Job</td>
<td>Biological Sciences</td>
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<td>KWONG, Luke</td>
<td>History</td>
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<td>LESKIW, J. Russell</td>
<td>Education</td>
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<td>LETKEMANN, Peter Jacob</td>
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<td>LITTLE, Neil G.</td>
<td>Kinesiology and Physical Education</td>
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<td>LITTLE BEAR, Leroy</td>
<td>Native American Studies</td>
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<td>LOEWEN, Arthur</td>
<td>Education</td>
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<td>LONG, John Anthony</td>
<td>Political Science</td>
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<td>LOO, Robert</td>
<td>Management</td>
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<td>Psychology and Neuroscience</td>
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<td>TEILLET, Philippe</td>
<td>Physics and Astronomy</td>
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<td>TENNANT, Howard E.</td>
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<td>TYSON, Brian Fergus</td>
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<td>WISMATH, Stephen</td>
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<td>YOSHIDA, Ronald Mamoru</td>
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<td>ZAHIR, Sajjad</td>
<td>Management</td>
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**IN MEMORIAM, 2014**

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<th>Name</th>
<th>Department</th>
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<tr>
<td>CHISTE, Kate</td>
<td>Management</td>
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</table>
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Associate Deans  
M. Helstein  
M. Mellow  
J. Rice

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B.Sc. (Mount Allison), Ph.D. (Dalhousie); Professor of Chemistry

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B.S., M.S. (Heinrich-Heine), Ph.D. (Witten); Associate Professor of Biochemistry

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I. Wong (July 1, 2012 - June 30, 2015)

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GRUBER, Aaron (Leave: July 1, 2015 - June 30, 2016)
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IWANIUK, Andrew Nicholas
B.Sc. (Monash), M.Sc. (Lethbridge), Ph.D. (Monash); Associate Professor of Neuroscience

KOLB, Bryan Edward
B.A. (Calgary), M.A. (Pennsylvania State), Ph.D. (McGill); Professor of Neuroscience

LUCZAK, Artur
M.A., Ph.D. (Poland); Associate Professor of Neuroscience

McDONALD, Robert J.
B.Sc. (Lethbridge), M.Sc., Ph.D. (McGill); Professor of Neuroscience

McNAUGHTON, Bruce L.
B.Sc., M.Sc. (Carleton), Ph.D. (Dalhousie); Professor of Neuroscience

METZ, S. Gerlinde A.
B.Sc. (Gießen), M.Sc., Ph.D. (Zurich); Professor of Neuroscience

MOHAYERANI, Majid
B.Sc., M.Sc. (Iran), Ph.D. (Italy); Assistant Professor of Neuroscience

PELLIS, Sergio M.
B.Sc., Dip.Ed., Ph.D. (Monash); Professor of Neuroscience

SUTHERLAND, Robert J.
B.A. (Trinity), M.A., Ph.D. (Dalhousie); Professor of Neuroscience

TATA, Matthew S.
B.Sc. (New York), M.Sc., Ph.D. (British Columbia); Associate Professor of Neuroscience

TATSUNO, Masami
B.A., M.A. Ph.D. (Japan); Associate Professor of Neuroscience

WHISHAW, Ian Quentin Addison
B.A., M.Sc. (Calgary), Ph.D. (Western Ontario); F.R.S.C.; Professor of Neuroscience

PHILOSOPHY

CHAIR - B. Brown
July 1, 2014 - June 30, 2017

ALWARD, Peter W.B. (Leave: July 1, 2014 - June 30, 2015)
B.A. (Toronto), M.A. (Dalhousie), Ph.D. (North Carolina, Chapel Hill); Associate Professor of Philosophy

ANDERSON, Ardis M.
B.A. (Lethbridge), M.A. (Dalhousie), Ph.D. (Calgary); Instructor in Philosophy

BROWN, Martin Bryson
B.A. (Trent), M.A., Ph.D. (Pittsburgh); Professor of Philosophy

PEACOCK, Kent A.
B.A., M.A., Ph.D. (Toronto); Professor of Philosophy

RODYCH, Victor
B.A. (Brandon), M.A., Ph.D. (York); Professor of Philosophy

STINGL, Michael
B.A. (Madison), M.A., Ph.D. (Toronto); Associate Professor of Philosophy

VIMINITZ, Paul Kenneth
B.A. (Regina), M.A. (Dalhousie), Ph.D. (Alberta); Assistant Professor of Philosophy

PHYSICS AND ASTRONOMY

CO-CHAIR - S. Patitsas
July 1, 2014 - June 30, 2017

DAS, Saurya
B.Sc. (Presidency College, Calcutta), M.Sc., Ph.D. (Institute of Mathematical Sciences, Chennai); Professor of Physics

DASGUPTA, Arundhati
B.Sc. (Presidency College, Kolkata, India), M.Sc. (Anna University, India), Ph.D. (Madras University, India); Associate Professor of Physics

FURGASON, Daniel John
B.Sc. (Lethbridge); Instructor in Physics and Astronomy

NAYLOR, David Andrew
B.Sc. (Sussex), Ph.D. (Calgary); Professor of Physics

PATITAS, Stathis (Steve) N.
B.Sc. (Laurentian), M.Sc., Ph.D. (British Columbia); Associate Professor of Physics

POVEY, Chad
B.A., Ph.D. (Lethbridge); Instructor in Physics

PREDOI-CROSS, Adriana
B.Sc. (Bucharest), Ph.D. (New Brunswick); Professor of Physics

SEYED-MAHMOUD, Behnam (Leave: July 1 - December 31, 2015)
B.Sc. (Lethbridge), M.Sc. (Memorial), Ph.D. (York); Associate Professor of Physics

SPENCER, Locke
B.Sc. (Alberta), M.Sc., Ph.D. (Lethbridge); Assistant Professor of Physics

TIPPER, Mark
B.Sc., M.Sc. (Lethbridge); Instructor in Physics

VOS, Kenneth J.E.
B.Sc., Ph.D. (Alberta); Associate Professor of Physics

WALTON, Mark Allan (Leave: January 1 - June 30, 2016)
B.Sc. (Dalhousie), M.Sc., Ph.D. (McGill); Professor of Physics

POLITICAL SCIENCE

CHAIR - TBA
July 1, 2015

BELANGER, Yale D. (Leave: July 1 - December 31, 2015)
B.A. (Lethbridge), M.A. (Manitoba), Ph.D. (Trent); Associate Professor of Political Science

HALE, Geoffrey
B.A. (Princeton), M.A., Ph.D. (Western Ontario); Professor of Political Science

JANSEN, Harold J.
B.A. (Alberta), M.A. (Carleton), Ph.D. (Alberta); Professor of Political Science

KUKUCHA, Christopher J.
B.A. (Alberta), M.A. (Carleton), Ph.D. (Alberta); Professor of Political Science

McCORMICK, Peter James
B.A. (Alberta), M.A. (Toronto), D.Phil. (London); Professor of Political Science

SIAROFF, Alan R.
B.A. (McMaster), M.A. (McGill), Ph.D. (Yale); Professor of Political Science

VON HEYKING, John F. K.
B.A., M.A. (Calgary), Ph.D. (Notre Dame); Professor of Political Science
PSYCHOLOGY
CHAIR - D. Rendall
June 1, 2013 - June 30, 2016

ALLEN, Scott W.
B.A. (Victoria), Ph.D. (McMaster); Associate Professor of Psychology

BARRETT, Louise
B.Sc., Ph.D. (London); Professor of Psychology

FARIS, Margaret L.
B.A. (Simon Fraser), M.A., Ph.D. (Concordia); Instructor in Psychology

HANCOCK, Stephanie
B.A. (Mount Allison), M.A. (Queen's), Ph.D. (Newfoundland); Instructor in Psychology

HENZI, S. Peter
B.A., Ph.D. (South Africa); Professor of Psychology

LECA, Jean-Baptiste
B.Sc., M.Sc., Ph.D. (France); Assistant Professor of Psychology

LI, Fangfang
B.A. (Beijing), Ph.D. (Ohio State); Assistant Professor of Psychology

LOGUE, David
B.Sc. (San Diego), Ph.D. (Colorado); Assistant Professor of Psychology

MATHER, Jennifer Ann
B.Sc. (British Columbia), M.Sc. (Florida State), Ph.D. (Brandeis); Professor of Psychology

RENDALL, C. Andrew (Drew)
B.Sc. (Calgary), M.A., Ph.D. (California, Davis); Professor of Psychology

SADR, Javid
B.Sc. (Simon Fraser), Ph.D. (Massachusetts); Assistant Professor of Psychology

VOKEY, John Richard
B.A. (Mount Allison), M.A., Ph.D. (Montreal); Professor of Psychology

RELIGIOUS STUDIES
CHAIR - A. Khalil
July 1, 2015 - June 30, 2018

BIBBY, Reginald Wayne
O.C., B.A. (Alberta), B.D. (Southern Seminary), M.A. (Calgary), Ph.D. (W ashington State), D.Litt. (h.c.) (Laurentian); Professor of Religious Studies

GRANZOW, Kara
B.A. (Lethbridge), M.A. (Waterloo), Ph.D. (Alberta); Assistant Professor of Sociology

HARRISON, Trevor W. (Leave: January 1 - June 30, 2015)
B.A. (Mount Allison), M.A. (Halifax), Ph.D. (Alberta); Professor of Sociology

KAZEMIPUR, Abdolmohammad (Leave: July 1 - December 31, 2015)
B.A., M.A. (Tehran), Ph.D. (Manitoba); Professor of Sociology

LAWRENCE, Jason E. (Leave: July 1, 2014 - June 30, 2015)
B.Kin., M.A., Ph.D. (Calgary); Associate Professor of Sociology

MAIR, Kimberly
B.A., M.A., Ph.D. (Alberta); Assistant Professor of Sociology

MALLACRIDA, Claudia A. (Leave: January 1 - June 30, 2016)
B.A., M.A. (Calgary), Ph.D. (Alberta); Professor of Sociology

McDANIEL, Susan
B.A. (Massachusetts), M.A. (Cornell), Ph.D. (Alberta); Professor of Sociology, and Director, Prentice Institute & Prentice Research Chair in Global Population & Economy

MELLOR, Muriel
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PERKS, Thomas A.
B.A., M.A. (Western Ontario), Ph.D. (Waterloo); Assistant Professor of Sociology

RAMP, William J.
B.A. (Trent), M.A., Ph.D. (York); Associate Professor of Sociology

VALLEE, Mickey
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WOOD, Robert T.
B.A. (Alberta), M.A. (Toronto), Ph.D. (Alberta); Professor of Sociology, and Dean of School of Graduate Studies

WOMEN AND GENDER STUDIES
CHAIR - C. Williams
July 1, 2014 - June 30, 2015

BONIFACIO, Glenda L. (Leave: January 1 - December 31, 2016)
B.A., M.A. (Philippines), Ph.D. (Australia); Associate Professor of Women and Gender Studies

FISKE, Jo-Anne
B.Ed., M.A., Ph.D. (British Columbia); Professor of Anthropology, and Women and Gender Studies

HODES, Caroline
B.A. (Hons.), B.Ed. (Toronto), M.A., Ph.D. (York); Assistant Professor of Women and Gender Studies

LENON, Suzanne J.
B.A. (Calgary), M.A. (Carleton), Ph.D. (Toronto); Assistant Professor of Women and Gender Studies

NICOL, Christopher J.
B.A. (Stirling), M.A., Ph.D. (Queen's); Professor of Economics, Professor of Women and Gender Studies, and University Librarian

STINGL, Michael Joseph
B.A. (Wisconsin-Madison), M.A., Ph.D. (Toronto); Associate Professor of Philosophy, and Women and Gender Studies

WILLIAMS, Carol J.
B.A. (Simon Fraser), M.A. (Leeds), Ph.D. (Rutgers); Associate Professor of Women and Gender Studies

WISMATH, Shelly L.
B.Sc. (Queens), M.Sc., Ph.D. (Simon Fraser); Professor of Mathematics, and Women and Gender Studies
ARTS AND SCIENCE PROGRAMS

Coordinators:
Academic Writing - C. Lobe
Agricultural Biotechnology - J. Thomas
Agricultural Studies - D. Le Roy
Applied Studies - J. Bertetti
Asian Studies - J. Harding
Biochemistry - U. Wieden-Kothe
Canadian Studies - A. Shaw
Co-operative Education - D. Young (Director)
Environmental Science - TBA
Liberal Education - B. MacKay
Urban and Regional Studies - I. Townshend

FACULTY OF EDUCATION
Dean - C. Loewen
Associate Dean - T. Gunn
Assistant Dean, Graduate Studies and Research in Education - K. Bernes
Assistant Dean, Student Program Services - N. Grigg
Assistant Dean, Field Experiences - TBA

ADAMS, Pamela
B.Ed., M.Ed. (Lethbridge), Ph.D. (Calgary); Associate Professor of Education

BALDERSON, Daniel Wesley
B.A., B.Ed. (Lethbridge), M.Sc., Ph.D. ( Nevada-Las Vegas); Associate Professor of Education

BEAUDIN, Lorraine C. (Leave: July 1, 2015 - June 30, 2016)
B.Ed., M.Ed. (Lethbridge), Ph.D. (Calgary); Associate Professor of Education

BEDARD, George J.
B.A. (Toronto), Professional Secondary School Teachers’ Diploma and Teaching Certificate (British Columbia); M.A. (Netherlands), M.A. (Simon Fraser), Ph.D. (Toronto); Associate Professor of Education

BENGRY, Susan M.
B.Ed., Graduate Diploma (Lethbridge), M.A. (San Diego); Lecturer in Education

BERNES, Kerry
B.Ed., M.Sc., Ph.D. (Calgary); Professor of Education

BRIGHT, Robin
B.A., B.Ed., M.Ed. (Lethbridge), Ph.D. (Victoria); Professor of Education

BURLEIGH, Dawn V.
B.A. (Western Ontario), B.Ed., M.Ed., (Lakehead); Assistant Professor of Education

BURTON, Richard (Leave: July 1 - December 31, 2015)
B.Ed., M.Ed. (Regina), Ph.D. (Ottawa); Professor of Education

CEY, Robert O.
LL.B, B.A. (Distinction), M.Ed., Ph.D. (Alberta); Assistant Professor of Education

CORMIER, Elizabeth A.
B.Ed. (Lethbridge), MLIS (Western Ontario), Curriculum Laboratory Librarian

FOWLER, Leah C.
B.Sc., B.Ed., M.Ed. (Alberta), Ph.D. (Victoria); Professor of Education

GREIDANUS, Elaine J.
B.Sc. (Hons.), M.Ed., Ph.D. (Alberta); Assistant Professor in Education

GRIGG, Lance M.
B.A. (Hons.) (Saskatchewan), B.Th. (Newman), Ph.D. (Calgary); Associate Professor of Education

GRIGG, Nancy C.
B.Ed. (Lethbridge), M.Ed. (Alberta), Ph.D. (Virginia); Associate Professor of Education

GUNN, Thelma M.
B.A. (Hons.), B.Ed. (Saskatchewan), M.Ed. (Sydney), Ph.D. (Saskatchewan); Associate Professor of Education

HASEBE-LUDT, Erika L. (Leave: January 1 - June 30, 2016)
B.A. (Universitats des Saarlandes), B.Ed., Ph.D. (British Columbia), M.A. (Freie Universitat Berlin); Professor of Education

HEIDEBRECHT, Kenneth P.
B.Ed., B.Sc., M.Ed. (Lethbridge); Instructor in Education

HEWSON, Curtis P.
B.A./B.Ed. (Lethbridge), M.Ed. (Calgary); Instructor in Education

KELLY, Darron I.
B.A. (Distinction) (Mount Allison), B.Ed., M.Ed. (Queen's), Ph.D. (Memorial); Instructor in Education

LOEWEN, Craig
B.Ed. (Lethbridge), M.Ed. (Ph.D. (Alberta); Professor of Education

MARYNOWSKI, Richelle M.
B.Ed. (Lethbridge), M.Ed., Ph.D. (Alberta); Assistant Professor of Education

MAZZAREK, Kasper
B.A., B.Ed., M.Ed., Ph.D. (Alberta); Professor of Education

McBRIE, Dawn
B.A. (Hons.) (Winnipeg), M.Sc., Ph.D. (Calgary); Associate Professor of Education

MOMBOURQUETTE, Carmen
B.A., B.Ed., (St. Francis Xavier), M.Ed. (Montana - Missoula); Assistant Professor of Education

O’DEA, Jane W.
B.Mus. (Ireland), M.Ed., Ph.D. (Alberta); Professor of Education

OGILVIE, Gregory S.
B.A. (Hons.), B.Ed. (Saskatchewan), M.Ed. (Alberta); Assistant Professor of Education

PELECH, Sharon
B.Ed. (Alberta), M.Ed. (Lethbridge); Assistant Professor of Education

PIQUETTE, Noelia
B.Ed., M.Ed., Ph.D. (Calgary); Associate Professor of Education

POULSEN, John C.
B.Ed. (Calgary), M.A. (London), Ph.D. (Calgary); Associate Professor of Education

RAHN, Janice M.
B.F.A. (Queen’s), B.Ed. (Toronto), M.F.A., Ph.D. (Concordia); Associate Professor of Education

SHEPARD, Blythe C. (Leave: Sept 1, 2015 - Feb 29, 2016)
B.A. (Waterloo), M.A., Ph.D. (Victoria); Associate Professor of Education

SLOMP, David H. (Leave: January 1 - June 30, 2016)
B.Ed. (Lethbridge), M.Ed., Ph.D. (Alberta); Assistant Professor of Education

SPROULE, Leonard C.
B.Sc., B.Ed. (Saskatchewan), M.Ed. (Lethbridge); Instructor in Education

STEED, Marlo
B.Ed. (Alberta), M.Ed. (OISE Toronto), Ed.D. (Amherst); Associate Professor of Education

VON HEYKING, Amy
B.A. (California), M.A. (Toronto), Ph.D. (Calgary); Associate Professor of Education

WASIAK, Edwin B.
B.Mus.Ed. (Regina), M.Ed. (Victoria), Dip. Fine Arts (Calgary), D.M.A. (Arizona); Associate Professor of Education

WINSON, Pamela (Leave: January 1 - June 30, 2016)
B.A., B.Ed. (New Brunswick), M.Ed. (Mount Saint Vincent), Ph.D. (Illinois); Professor of Education
ACADEMIC STAFF

FACULTY OF FINE ARTS
Dean - E. Jurkowski
Associate Dean - S. Scott
Assistant Dean, Student Program Services:

DOBBIE, James A.
B.A. (Lethbridge), M.A. (Simon Fraser)

ART
CHAIR - A. Martin

ALLAN, Ken
B.A. (Hons) (Guelph), M.A. (York), Ph.D. (Toronto); Associate Professor of Art

BASTER, Victoria
M.A. English, (University of Reading); Instructor in Art

CAMPBELL, Michael
B.A. (Toronto), M.F.A. (Concordia); Professor of Art

DAHLE, Dagmar (Leave: January 1 - June 30, 2016)
B.F.A. (Victoria), M.F.A. (Nova Scotia College of Art & Design); Associate Professor of Art

DAWN, Leslie Allan
B.A., M.A. (Victoria), M.A., Ph.D. (British Columbia); Professor of Art

DYMOND, Anne
B.A. (Hons.), M.A., Ph.D. (Queen's); Associate Professor of Art

FREDRICKSON, Denton
M.F.A., (Nova Scotia College of Art & Design); Assistant Professor of Art

GILL, Don
B.F.A. (Victoria), M.F.A. (California Institute of the Arts); Associate Professor of Art

KAVANAGH, Mary (Leave: January 1 - June 30, 2015)
B.A. (Hons.) (Guelph), M.F.A. (Saskatchewan); Associate Professor of Art

MACKINNON, Glen
B.F.A. (Nova Scotia College of Art & Design); Instructor in Art

MARTIN, Annie
B.A., M.F.A. (Concordia); Associate Professor of Art

MILLS, Josephine (Leave: January 1 - June 30, 2016)
B.A. (High Hons.) (Saskatchewan), M.A. (Simon Fraser), Ph.D. (Concordia); Associate Professor of Art, Director/Curator Art Gallery

ROCHFORT, A. Desmond
Dip. (Byam Shaw School of Art), M.F.A. (Royal Academy of Art), Ph.D. (Royal College of Art); Professor of Art

THEATRE AND DRAMATIC ARTS
CHAIR - N. Hanson

CHAMBERS, Ron
B.A.Sc. (B.A.) (Lethbridge), M.F.A. (Calgary); Professor of Theatre and Dramatic Arts

DOBBIN, Jim
B.A. (Memorial), B.Ed (Memorial), M.F.A. (Calgary); Instructor of Theatre and Dramatic Arts

DOOLITTLE, Lisa
B.A. (Ottawa), M.A. (Wesleyan); Professor of Theatre and Dramatic Arts

HANRAHAN, Gail
B.A. (McGill), M.F.A. (Calgary); Assistant Professor of Theatre and Dramatic Arts

HANSON, Nicholas
B.A. (Hons.), B.Ed. (Queen's), M.A. (Toronto); Associate Professor of Theatre and Dramatic Arts

MacARTHUR, Douglas
B.A., B.A. (Guelph University), M.F.A. (York); Assistant Professor of Theatre and Dramatic Arts

MILLER, Rebecca
Certificate National Theatre School of Canada Technical Production; Instructor in Theatre and Dramatic Arts

POTTER, Gerry
B.A. (Carleton), M.F.A. (Alberta); Instructor of Theatre and Dramatic Arts

ROBISON-GREENE, Leslie
B.A. (Southern Utah), M.F.A. (Illinois); Professor of Theatre and Dramatic Arts

SCOTT, Shelley
B.A. (Western), M.A., Ph.D. (Toronto); Professor of Theatre and Dramatic Arts

TAYLOR, Aaron
B.A. (Western), M.A. (Carleton, Ph.D. (Kent); Associate Professor of Theatre and Dramatic Arts

WHITEHEAD, Jay
M.F.A., (York); Assistant Professor of Theatre and Dramatic Arts

WILCOX, Richey
B.A. (Kings College), M.A. (Texas State); Instructor of Theatre and Dramatic Arts

WILLS, Jim
B.A. (Regina), M.F.A. (Calgary); Associate Professor of Theatre and Dramatic Arts

MUSIC
CHAIR - D. Oye

BLACK, Brian
B.Mus., Ph.D. (McGill); Associate Professor of Music

BOEHM, Norbert
B.Mus. (Alberta), M.Mus. (Oregen); Adjunct Assistant Professor of Music

BOON, Rolf
A.R.C.T. (Toronto), B.Mus. (Queen's), B.Ed., M.Mus. (British Columbia), Ph.D. (Alberta); Associate Professor of Music

BOUTIN, Lise
M.Mus (Toronto); Adjunct Assistant Professor of Music

DAVIES, Josh
B.Mus. (North Carolina, Greensboro), M.Mus., D.M.A. (Texas, Austin); Instructor in Music

HANSEN, Bente
B.Mus. (Lethbridge), M.Mus. (Michigan State); Instructor in Music

HENDSBE, Blaine
B.Mus.Ed. (Dalhousie), M.Mus., Ph.D. (British Columbia); Professor of Music

JURKOWSKI, Edward Martin
B.Mus. (Manitoba), M.A., Ph.D. (Rochester); Professor of Music

MASON, Adam
B.Mus., M.M.Ed. (West Virginia); Instructor in Music

MEZEL, Margaret
B.Mus. (Washington State), M.Mus. (Michigan State); Instructor in Music, Coordinator, Music Conservatory

OYE, Deanna
A.Mus. (Western), H.B.Mus. (Lakehead), M.Mus. (Brandon), D.M.A. (Eastman); Associate Professor of Music

RICHARDS, Mark
B.Mus. (RCM), M.A., Ph.D. (Toronto); Instructor of Music

RODGERS, Mark
B.Mus. (Brandon), M.Mus. (Western); Adjunct Assistant Professor of Music

SCHALLER, Thilo
B.Mus., M.Mus. (Royal Conservatory The Hague), B.A. (Utrecht); Assistant Professor of Music

SCHULTZ, Arlan (Leave: July 1, 2015 - June 30, 2016)
B.Mus. (Manitoba), M.Mus. (McGill), Ph.D. (California, San Diego); Assistant Professor of Music

STAPLES, Thomas W.
B.Mus. (Saskatchewan), M.M.Ed. (James Madison), D.M.A. (Iowa); Professor of Music

571
STEWART, Andrew
B.Mus. (Wilfred Laurier), M.Mus. (British Columbia); D.M.A. (McGill); Assistant Professor of Music

STRINGER, Sandra
D.M.A., Voice Performance, (University of British Columbia); Instructor in Music

TAGG, Graham
DRSAM (Scotland); Adjunct Assistant Professor of Music

VISENTIN, Peter Allan
B.Mus., M.Mus. (Toronto); Professor of Music

YOUNGDAHL, Janet
B.Mus. (O hio), M.Mus. (Michigan), D.M.A. (Case Western); Associate Professor of Music

NEW MEDIA
CHAIR - D. Olsen

CHONG, LANCE
B.F.A. (Beijing), M.F.A. (Illinois at Urbana-Champaign); Instructor in New Media

CLEARWATER, David
B.F.A., B.A. (Lethbridge), M.A., Ph.D. (McGill); Associate Professor of New Media

COOLEY, Dana
B.F.A., B.A. (Manitoba), M.F.A. (Art Institute of Chicago), Ph.D. (Edinburgh); Instructor in New Media

COUSINS, Bob
B.A., M.A. (Lethbridge), M.F.A. (York); Assistant Professor of New Media

ELIAS, Leanne (Leave: July 1 - June 30, 2016)
M.Ed., (University of Lethbridge); Associate Professor of New Media

GRAHAM, James R.C.
Dip. (Victoria College of Art), Dip. (Emily Carr), M.F.A. (Nova Scotia College of Art & Design), 3D Studio Max (Toronto), Cert. (Algonquin College); Associate Professor of New Media

OLSEN, Deric
M.F.A., (Regina); Associate Professor of New Media

SIRBU, Daniela
Dip. - US Civic Education Project, Dip. Eng. in E.C.S., U.P.B. (Bucharest), M.Arch. (Carleton); Associate Professor of New Media

SMITH, A. William
B.Sc., B.F.A., B.A., B.Mus., M.F.A., Ph.D. (Ohio State); Associate Professor of New Media

TAYLOR, Aaron (Leave: January 1 - December 31, 2015)
B.A. (Western), M.A. (Carleton), Ph.D. (Kent); Associate Professor of New Media

FACULTY OF HEALTH SCIENCES
Dean - C. Hosgood

Director, Addictions Counselling Program - G. Tzu

Research Coordinator, Alberta Gaming Research Institute (AGRI)
- R. Williams

Coordinator, Graduate Studies - J. Kulig

Co-Chairs NESA BN Program - T. Oosterbroek & B. Wojtowicz

Coordinator, Public Health Program - S. Yanicki

ANDER, Karen
B.N. (Lethbridge), RN; Instructor in Nursing

AWOSOGA, Olu
B.S., M.S., M.B.A. (Lagos) (Central Michigan), Ph.D. (Western Michigan); Assistant Professor in Health Sciences

BEVANS, Maralon
B.N. (Lethbridge), M.N. (Athabasca), RN; Instructor in Nursing

WALKER, Ali
B.Sc.N. - (Alberta), M.P.H. - (Brigham Young), RN; Instructor in Nursing

CHRISTENSEN, Darren
B.BS (Massey), M.Sc. (Hons.), Ph.D. (Canterbury); AGRI Chair of Gambling and Assistant Professor in Addictions Counselling

CURRIE, Cheryl
B.A., M.Sc. (Manitoba), PhD (Alberta); AIHS Translational Health Chair and Assistant Professor of Public Health

DERKSEN, Kim
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DEVoy, Trenna
B.N. (Calgary), RN; Instructor in Nursing

GAETZ, Cindy
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DERSCH, Sharon
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GRANT KALISCHUK, Ruth
B.N. , M.Ed. (Lethbridge), Ph.D. (British Columbia), RN; Professor of Nursing

HAGEN, Brad
B.Sc. (Lethbridge), M.Sc.N. (McGill), Ph.D. (Victoria), RN, R.Psych., CCC; Professor of Nursing

HAIGHT, Katherine
B.S.W. (British Columbia), M.N. (Memorial), RN; Instructor in Nursing

HARROWING, Jean
B.Sc. (Lethbridge), M.N. (Calgary), Ph.D. (Alberta), RN; Associate Professor of Nursing and Public Health

HOSGOOD, Christopher
B.A. (Hons.) (Victoria), M.Phil. (Leicester), Ph.D. (Manitoba); Dean Faculty of Health Sciences

HOWARD, Lisa
B.Sc.N. (Victoria), M.N. (Calgary), RN; Lecturer in Nursing

HUDSON BROEN, Rebecca
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JONES, Phil
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KELLETT, Peter
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KULIG, Judith
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LEE, Bonnie
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McKAY, Bill
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PETT, Dawn
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<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Ansari, M. Mahfooz</td>
<td>Assistant Professor of Management</td>
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<td>Gonzalez, George</td>
<td>Assistant Professor of Management</td>
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<tr>
<td>Basil, Michael D.</td>
<td>Professor of Management</td>
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<tr>
<td>Amelinckx, Andrea C.</td>
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<td>Ansari, M. A.</td>
<td>Professor of Management</td>
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<tr>
<td>Basil, Debra Z.</td>
<td>Associate Professor of Management</td>
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<tr>
<td>Bao, Yonglian</td>
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<tr>
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<td>Baulkaran, Vishal</td>
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<td>Boutilier, Robert A.</td>
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<td>Carnaghan, Carla</td>
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<td>Clark, James D.</td>
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<td>Daroczi, Zoltan</td>
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<td>Derry, Robbin</td>
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<td>Deshpande, Sameer</td>
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<td>Drolinger, Tanya</td>
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<td>Escobar, Luis Fernando</td>
<td>Associate Professor of Management</td>
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<tr>
<td>Gonzalez, George</td>
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579
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Manager, Institutional Analysis Officer Carrie Takeyasu, M.B.A., C.MA

Manager, Institutional Analysis Officer Marnie Saw, B.Mgt., C.MA.

Manager, Institutional Analysis Officer Sheila Lowe

Manager, Institutional Analysis Officer Kim O’Dwyer, B.Mgt., CA

Manager, Institutional Analysis Officer Joanne Des Roche, B.Mgt., CA

Manager, Institutional Analysis Officer Helen Wolfe, B.Admin., C.MA

Manager, Institutional Analysis Officer Linda Anderson, B.Mgt.

Manager, Institutional Analysis Officer Joel Makin, C.G.A

Manager, Institutional Analysis Officer Daryl Schacher, B.Mgt., SCMP

Manager, Institutional Analysis Officer Mark Sera, B.Mgt., CA

Manager, Institutional Analysis Officer Cindy Matheson, B.Mgt., C.G.A

Manager, Institutional Analysis Officer Caralyn Boh, B.Mgt., B.M.A., C.MA

Manager, Institutional Analysis Officer Dwayne Pepin, C.MA

Manager, Institutional Analysis Officer Leslie Gatner, B.Mgt.

Manager, Institutional Analysis Officer Gabe Krywolt, B.Mgt., C.GA

Manager, Institutional Analysis Officer Jim Booth, B.Sc., B.Com.

Manager, Institutional Analysis Officer Erin Crane, B.F.A.

Manager, Institutional Analysis Officer Terri Thomas, B.Sc.

Manager, Institutional Analysis Officer Steve Brodrick, B.Mgt., M.B.A.

Manager, Institutional Analysis Officer Lukas Neamtu, B.Sc.

Manager, Institutional Analysis Officer Heather Hacior, B.A., B.S.W., M.L.S.

Manager, Institutional Analysis Officer Annette Bright

Manager, Institutional Analysis Officer Kari Tanaka, B.A.

Manager, Institutional Analysis Officer Rebecca Colbeck

Manager, Institutional Analysis Officer Valerie Archibald, B.ScF, M.Div.

Manager, Institutional Analysis Officer Kristen Carlsten Wall, B.A., M.L.S.

Manager, Institutional Analysis Officer Maureen Schwartz

Manager, Institutional Analysis Officer Tanya Jacobson-Gundlock, B.A.

Manager, Institutional Analysis Officer Aleshia Farbus-Shukaliak, B.A., B.Mgt.

Manager, Institutional Analysis Officer Kali McKay, B.A., M.A.

Manager, Institutional Analysis Officer David Kirby

Manager, Institutional Analysis Officer Elizabeth Lepper, B.A.

Manager, Institutional Analysis Officer Barry Knapp, B.A.

Manager, Institutional Analysis Officer Melissa Wiibe, B.P.

Manager, Institutional Analysis Officer Cathy MacFarlane, C.F.R.E.

Manager, Institutional Analysis Officer Brandle Lea, B.Sc., M.Sc.

Manager, Institutional Analysis Officer W hitney Tamayose

Manager, Institutional Analysis Officer Richard Westlund

Manager, Institutional Analysis Officer Caroline Zentner, B.A.

Manager, Institutional Analysis Officer Calvin Toth

Manager, Institutional Analysis Officer Nancy Walker, B.Mgt., M.B.A., FCA

Manager, Institutional Analysis Officer Nicole Hillery, B.A.Sc., M.A.

Manager, Institutional Analysis Officer Jessie Westers, CA

Manager, Institutional Analysis Officer Sharon Sproule, B.A., LL.B.

Manager, Institutional Analysis Officer Maria Marcil, LL.B.

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Manager, Institutional Analysis Officer Lukas Neamtu, B.Sc.

Manager, Institutional Analysis Officer Heather Hacior, B.A., B.S.W., R.S.W.

Manager, Institutional Analysis Officer Annette Bright

Manager, Institutional Analysis Officer Kari Tanaka, B.A.

Manager, Institutional Analysis Officer Rebecca Colbeck

Manager, Institutional Analysis Officer Valerie Archibald, B.ScF, M.Div.
Associate Dean  
Director, Curriculum and Academic Scheduling  
Student Program Advisors

Director, Arts and Science  
Co-operative Education and Faculty Communication Marketing and Communications Officer  
Coordinator, Co-operative Education/Applying Studies Assistant Coordinator, Co-operative Education/Applying Studies

Director of Finance and Administration  
Financial Assistant  
Financial Analyst (Research)  
Research Manager (CCBN)

Dean, Education  
Associate Dean  
Assistant Dean, Graduate Studies & Research  
Assistant Dean, Student Program Services  
Assistant Dean, Field Experiences  
Student Program Advisor  
Program Manager  
Support Staff Supervisor/  
Circulation Manager  
Communications Officer  
Financial Officer

Dean, Fine Arts  
Associate Dean  
Assistant Dean, Student Services  
Facilities Manager, Art Studio  
Communications/PR Officer  
Technical Director - Theatres

Dean, Health Sciences  
Financial Analyst  
FNMI Learning Facilitator  
Student Recruitment and Communications

Dean, Management  
Executive Assistant  
Associate Dean, Programs and Administration

Director, Undergraduate Programs  
Assistant Dean, Northern Campuses

Manager, Calgary Campus  
Manager, Edmonton Campus

Director, External Relations/Co-operative Education

Muriel Mellow, B.A., M.A., Ph.D.  
Shawn Johnsruide, B.Sc., M.B.Ed., M.Ed  
Carla Buziak-Prus, B.A.  
Bethany Mills, B.A.  
Debbie Murphy, B.A.  
Lesley Rode, B.S.W.  
Erika Vas, B.Sc.

Diana Young, B.Ed. (Hons.), M.A.  
Catharine Reader, B.A.  
Jasmie Berteotti, B.Sc.

Stacey Gaudette-Sharp, B.A., M.A.

Cathy Kanashiro, B.Mgt., C.A  
Corinne Steele, B.Mgt., C.A  
Sandra Randa, C.M.A  
Janice Sutherland, Ph.D.  
Craig Loewen, B.Ed., M.Ed., Ph.D.  
Thelma Gunn, B.A. (Hons.), B.Ed., M.Ed., Ph.D.

Kerry Bernes, B.Ed., M.Sc., Ph.D.  
Nancy Grigg, B.Ed., M.Ed., Ph.D.  
Brenda Bell, B.A., M.A.  

Gittie Villiger  
Darcy Tamayose  
Carol Knibbs, B.A., B.Comm., M.B.A.

Edward Jurkowski, Ph.D.  
Music Theory  
Shelley Scott, B.A., M.A., Ph.D. (Drama)

James Dobie, B.A., M.A.  
Catherine Ross, B.F.A.  
Katherine Wasiak, B.Sc., M.M.C.  
Margot O'Donnell, C.M.A  
James McDowell, B.F.A.

Christopher Hosgood, B.A., M.Phi., Ph.D.  
Jan Morton, C.G.A  
Marilyn Lamb, B.A., B.Ed.

vacant  
Robert Ellis, B.A., M.A., Ph.D.  
Corie Lazenby, B.A.

Marie Matkin, B.Ed., M.Ed.  
Lorne Williams, B.A., B.Mgt., M.A.  
Dana Corbin, B.Mgt.

Nicholas Langat Soi, B.A., M.Ed., Ph.D.

Steve Craig, B.Mgt.

Director, International/First Nations’ Governance  
Director, Master of Science  
(Management) Program  
Director, Theory Into Practice  
Director, CA Bridging  
Financial Officer (Acting)  
Manager, Technology Services  
University Librarian

Associate University Librarian  
Information Systems, Collections and Technical Services  
Supervisor, Access Services  
Supervisor, Library Information Systems  
Supervisor, Library Technical Services  
Associate Vice-President (Students)  
Director, Career and Employment Services  
Career and Employment Advisor  
Acting Manager, Counselling Services  
Counsellors

Manager, Accommodated Learning Centre  
Specialized Support Coordinator  
Director, FNMI Centre  
Coordinator, Native Student Advising  
Acting Executive Director,  
University of Lethbridge  
International Student Advisor  
Manager, Language Services  
International Recruitment Officer  
ESL Instructors

Andrea Amelinckx, B.A., J.D.  
Kelly W. Williams-Witt, M.B.A., Ph.D.  
Dan Kazakoff, B.Com., B.A., M.B.A.  
Anita Ryder, B.Ed., B.Mgt., C.A

Joshua Lindemann  
Christopher J. Nicoll, B.A. (Hons.) (Sirling), M.A., Ph.D. (Queen’s Canada); Professor of Economics

Wendy Merkley, B.A., M.L.S., Professional Librarian  
Jesse Malinsky, B.A.

Allan Gergel, Dip. AV Comm.  
Judith Lapadat, B.A., M.Sc., Ph.D.

Pat Tanaka, B.A.

Nicole Leusink, B.A., Cert. Career & Academic Advising

Jennifer Ellis-Toddington, B.Sc., M.C. Registered Provisional Psychologist  
C.C.C.

Heather Rowland, M.S.W., R.S.W.  
Tanya Surette, B.A., M.O.C., C.C.C., R. Psych  
Terri Saunders, M.S.W., R.S.W  
Mark Bruce, B.A., M.Ed.  
Registered Provisional Psychologist  
Serena Visser, M.S.W., R.S.W.

Sheila Gilker Dip. Rehab, B.A., Cert. Learning Strategist

Aaron Tamayo, B.A.  
vacant  
Elizabeth Ferguson, B.A., M.A.

Paul Pan, B.A., M.B.A.

Iramar Baquero, B.Eng.  
Karen Smith, B.A., TESL

Karlis Pauly, B.A.  
### UNIVERSITY OF LETHBRIDGE AWARDS

#### HONORARY DEGREE RECIPIENTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Award</th>
<th>Recipient(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1968</td>
<td>None awarded</td>
<td></td>
</tr>
<tr>
<td>1971</td>
<td>Doctor of Laws</td>
<td>Anora Brown</td>
</tr>
<tr>
<td>1973</td>
<td>Doctor of Laws</td>
<td>Claude Bissell, M.A., Ph.D., C.C.</td>
</tr>
<tr>
<td>1974</td>
<td>Doctor of Laws</td>
<td>Farley Mowat, B.A., O.C.</td>
</tr>
<tr>
<td>1975</td>
<td>Doctor of Laws</td>
<td>N.D. Holmes, B.Sc., M.Sc., Ph.D., H.K. Rasmussen, B.Sc., M.Sc., Ph.D.</td>
</tr>
<tr>
<td>1976</td>
<td>Doctor of Laws</td>
<td>Immanuel Velikovsky, M.D.</td>
</tr>
<tr>
<td>1977</td>
<td>Doctor of Laws</td>
<td>Ruby Larson, B.A., M.A., Ph.D.</td>
</tr>
<tr>
<td>1978</td>
<td>None awarded</td>
<td></td>
</tr>
<tr>
<td>1979</td>
<td>Doctor of Dramatic Arts</td>
<td>John Neville</td>
</tr>
<tr>
<td>1980</td>
<td>Doctor of Laws</td>
<td>Hedwig D. Bartling</td>
</tr>
<tr>
<td>1982</td>
<td>Doctor of Humanities</td>
<td>Terence M. Penelhum, B.Phil., M.A.</td>
</tr>
<tr>
<td>1983</td>
<td>Doctor of Laws</td>
<td>Gwen Pharis Ringwood, B.A., M.A., Nettie W are</td>
</tr>
<tr>
<td>1986</td>
<td>Doctor of Laws</td>
<td>Eva Brewster, Mel Hurtig, O.C., Peter McLaran Roberts, M.A., M.A.</td>
</tr>
<tr>
<td>1987</td>
<td>Doctor of Laws</td>
<td>Brenda Atkinson Milner, B.A., M.A., Ph.D., O.C.</td>
</tr>
<tr>
<td>1990</td>
<td>Doctor of Laws</td>
<td>Sydney Wayne Jackman, B.S., M.A., M.A., Ph.D.</td>
</tr>
<tr>
<td>1995</td>
<td>Doctor of Arts</td>
<td>Douglas Sanders, B.A., LL.B., LL.M.</td>
</tr>
<tr>
<td>1996</td>
<td>Doctor of Law</td>
<td>Jan Bures, Ph.D.</td>
</tr>
<tr>
<td>1999</td>
<td>Doctor of Law</td>
<td>Douglas Sanders, B.A., LL.B., LL.M.</td>
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</tr>
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<tr>
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</tr>
<tr>
<td>2011</td>
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</tr>
<tr>
<td>2012</td>
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</tr>
<tr>
<td>2015</td>
<td>Doctor of Law</td>
<td>Douglas Sanders, B.A., LL.B., LL.M.</td>
</tr>
<tr>
<td>2016</td>
<td>Doctor of Law</td>
<td>Jan Bures, Ph.D.</td>
</tr>
<tr>
<td>2019</td>
<td>Doctor of Law</td>
<td>Douglas Sanders, B.A., LL.B., LL.M.</td>
</tr>
<tr>
<td>2020</td>
<td>Doctor of Law</td>
<td>Jan Bures, Ph.D.</td>
</tr>
</tbody>
</table>
UNIVERSITY OF LETHBRIDGE AWARDS

Margaret Elizabeth Southern, B.Ed., O.C.
George Millard Watson, B.Arch.

Doctor of Science
Earle Frederick Zeigler, B.A., M.A., Ph.D.

1998
Doctor of Arts
Gordon Kiyoishi Hirabayashi, B.A., M.A., Ph.D.

Doctor of Laws
Robert Bertram Church, B.Sc., M.Sc., Ph.D., C.M.
David W illiam Hughes

Doctor of Science
Dorothy May Pringle, B.Sc., M.S., Ph.D.

1999
Doctor of Laws
O vide Mercredi, LL.B.
Ralph Thrall Jr., B.S., M.B.A., B.S.

Doctor of Letters
Bas van Fraassen, B.A., M.A., Ph.D.

Doctor of Science
Keith Laidler, M.A., Ph.D.

2000
Doctor of Laws
Leonard Marvin Blumenthal, B.Ed.
W illiam Maurice Sibley, B.A., M.A., Ph.D.

Doctor of Science
Marie Elizabeth Sanderson, B.A., M.A., Ph.D.
Cornellus Hendrik Vanderwolf, B.Sc., M.Sc., Ph.D.

2001
Doctor of Fine Arts
Lois Choksy, B.S., M.S.
Dennis Reid, B.A., M.A.

Doctor of Laws
N ellie Joy Cournoyeda
Beverly Marian McChalin, B.A., M.A., LL.B.
Ingrid Marie Speaker, B.A., B.Ed.

Doctor of Science
Marc Garneau, B.Eng., Ph.D., O.C.

2002
Doctor of Fine Arts
Howard Cable, C.M.
Joan Stuart Barclay Waterfield

Doctor of Laws
O rville Kope

Doctor of Science
Robert Hironaka, B.Sc., M.Sc., Ph.D.
Jonathan Schaeffer, B.Sc., M.Math., Ph.D.

2003
Doctor of Arts

Doctor of Fine Arts

Doctor of Laws
Donald Ross Getty, H.B.A., O.C.
Lanny King McDonal
D Gwyn Morgan, P.Eng.
Ludvik Pahulje, Sr.
Ronald Satoshi Sakamoto
Raymond Albert Speaker, B.Ed., P.C., O.C.

2004
Doctor of Arts and Science
Leroy Robert Little Bear, B.A., J.D.

Doctor of Fine Arts
Susan Aguillard Poiret
Margaret Perkins Hess, B.A., B.F.A.

Doctor of Laws
Joyce Fairbairn, B.A.
Lois Elsa Hole, C.M., A.O.E.
James Deverell Horsman, C.M., Q.C., B.Comm., LL.B.
Thomas Dale Jackson
Kathleen Isabel Kerr
Yoshikata Kinjo
Valerio Angelo Matteo
ti
Roland Philip Muir N orth, B.Sc., LL.B

Doctor of Science
Maurice Martin Moloney, B.Sc., Ph.D.

2005
Doctor of Arts and Sciences
O wen Gordon Holmes, Ph.D.

Doctor of Fine Arts
W illiam Fruet

Doctor of Humanities
Romeo Dallaire, B.Sc.

Doctor of Laws
Leonard K ane Haney
Edward Elliott McNally, LL.B.
Eric Patrick Newell, B.Sc., M.Sc.
Dennis Sidney O’Connell
Judith Grunfield Shalman, B.A., M.P.H., Ph.D.
Howard Edward Tennant, C.M., M.B.A., Ph.D.
Pamela Dawn W illiamson, B.A.

Doctor of Science

2006
Doctor of Arts
Thomas W ilhelmus Droog
Catherine Anne Fraser, B.A., LL.D.
Allan Paul Markin, B.Sc.
John Digby Prentice, B.Sc.
Chava Rosenfarhi
Lena H easy Shields Russell
Blaine Allen Thacker, Q.C.
W illard H. Yuill

Doctor of Science
David W illiam Schindler, B.Sc., Ph.D., O.C.
Roger Tomlinson, B.Sc., M.Sc., Ph.D.

2007
Doctor of Arts and Science
James Fraser Mustard, C.M., O.Ont., M.D., Ph.D., F.R.C.P.(C.), F.R.S.C.

Doctor of Fine Arts
John McEwen

Doctor of Laws
Gerald Thomas Conaty, B.A., M.A., Ph.D.
John A. Gogo
Harley N orman Hotchkiss, B.Sc., LL.D., O.C., P.GeoI., A.O.E.
T errance E. Royer, B.A.Sc. (B.A.)

Doctor of Science
Ronald James Gillespie, B.Sc., Ph.D., D.Sc.

2008
Doctor of Fine Arts
Ben Heppner, O.C., B.Mus.

W endy Louise Nielsen, B.Mus., M.Mus.

Doctor of Laws
Henry John Bergen, C.M.
Shirley DeBow, B.A.

Doctor of Laws
Robert Adrian Hennen
Constance Prentice, B.Ed.
S heila W eatherill, C.M., B.Sc.

Doctor of Science

2009
Doctor of Fine Arts
Paul Brandt
Joan Marie Sxebbins, C.M., B.F.A.

Doctor of Laws
Robert Samuel Best, B.A., M.A.
Ralph Eugene Himsl, B.A., B.Ed., M.E.

Mobina Shervi Bandali Jaffer, LL.B., Q.C.
Samantha Joan Nutt, M.D., M.Sc., C.C.P, F.R.C.P.C., L.L.D.
Son Soubert, M.A.
Ross W ade Watson, B.A.

2010
Doctor of Laws
Ike A. Lanier, B.A.
Shirley Anne Margaret McClelan
Michael Thomas Melling, B.Sc., M.B., Ch.B., F.R.C.S.(Glas), F.R.C.S.O., F.A.C.S., Certf.ASAM
Hank A. Margolis, B.Sc., M.F., Ph.D.

Doctor of Science
Vincent D Lollo, B.A., Ph.D.

2011
Doctor of Arts
John S. Kloppenborg, B.A., M.A., Ph.D.

Doctor of Laws
Maude Victoria Barlow
Clinton E. Dunford, B.A.
Phan Thi Kim Phuc, LL.D.
George V. Gerner

Doctor of Science
Gordon W ater Semenoff, B.Sc., Ph.D.

2012
Doctor of Laws
W illiam H. Cade, B.A., M.A., Ph.D.
James Coutts, C.M.
W. C. Richard Davidson, Q.C.
Pete Standing Alone

Doctor of Science
Patrick O’Farrell, B.Sc., Ph.D.

2013
Doctor of Laws
Richard Lloyd Casson, P.C.
N el C., W itman, B.Commm., LL.B., Q.C.
Robert J. Turner, B.Commm., LL.B., Q.C.
Gary Bowie, B.Sc., M.Sc., Ph.D.

Doctor of Fine Arts
Bvaia Gobani, B.A., M.A.

2014
Doctor of Laws
Amanda Lindhout
Austin Mardon, B.A., M.Sc, M.Ed, Ph.D
Seamus O’Shea, B.Sc., Ph.D.

Doctor of Science
Barbara Hohn, Ph.D
UNIVERSITY OF LETHBRIDGE AWARDS

DISTINGUISHED TEACHING AWARD
Sponsored by Miss A.M. 'Dolly' Tennant

1997 David Spinks, L.T.C.L., F.R.S.A.
Dramatic Arts
Paul Upton, M.A.
English
1998 Robert Anderson, Ph.D.
Education
Ronald Yoshida, Ph.D.
Philosophy
1999 Robert Arms, Ph.D.
Psychology
Shelly W Ismath, Ph.D.
Mathematical Sciences
1999 Keith Parry, Ph.D.
Anthropology
Brian Tyson, Ph.D.
English
1999 Patricia Chuchryk, Ph.D.
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Psychology
1999 Richard Arnold, Ph.D.
English
Malcolm Greenshields, D.Phil.
History
1999 Alan Aycock, Ph.D.
Anthropology
Gail Michener, Ph.D.
Biological Sciences
1999 W illiam Baker, Ph.D.
History
John Donald Read, Ph.D.
Psychology
1999 Jane O’Drea, Ph.D.
Education
Lucius Stebbins, Ph.D.
Biological Sciences
1999 Martin O’ordt, M.A.
English
John Woods, Ph.D., LL.D. (h.c.), F.R.S.C.
Philosophy
1999 Norm ran Buchignani, Ph.D.
Anthropology
Ian W hishaw, Ph.D., F.R.S.C.
Psychology
1999 Rick Mrazek, Ph.D.
Education
1999 George Evelyn, D.M.A.
Music
John Vokey, Ph.D.
Psychology and Neuroscience
2000 Andrew Hakin, Ph.D.
Chemistry and Biochemistry
H illary Rodrigues, Ph.D.
Religious Studies and Anthropology
2000 Douglas Bray, B.Sc.
Biological Sciences
2000 Christopher Armstrong-Esther, Ph.D.
Health Sciences
2000 Hiroshi Shimazaki, Ph.D.
Management
2004 David Townsend, Ph.D.
Education
2005 Robin Bright, Ph.D.
Education
2006 Craig Loewen, Ph.D.
Education
2007 Craig Monk, D.Phil.
English
2008 Kenneth Vos, Ph.D.
Physics
2009 Ian Mca dam, Ph.D.
English
2010 Leah Fowler, Ph.D.
Education
2011 Hans-Joachim W ieden, Ph.D.
Chemistry and Biochemistry
2012 David Ha y, Ph.D.
History
2013 Hadi Kharaghani, Ph.D.
Mathematics and Computer Science
2014 Ute W eiden-Kothe, Ph.D.
Chemistry and Biochemistry

SPEAKER MEDAL FOR DISTINGUISHED RESEARCH, SCHOLARSHIP, OR PERFORMANCE
Sponsored by Dr. I ngrid Speaker, Chancellor Emerita

1995 Menno Boldt, Ph.D.
Sociology
1996 Ian W hishaw, Ph.D., F.R.S.C.
Psychology
1997 John Woods, Ph.D., LL.D. (h.c.), F.R.S.C.
Philosophy
1998 Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
1999 Bryan Kolb, Ph.D., F.R.S.C.
Psychology and Neuroscience
2000 Raymond Huel, Ph.D.
History
2001 Keramat Alli, Ph.D.
Physics
2002 David N aylor, Ph.D.
Physics
2003 Gail Michener, Ph.D.
Biological Sciences
Margaret W inzer, Ed.D.
Education
2004 Kurt Klein, Ph.D.
Economics
2005 Hadi Kharaghani, Ph.D.
Mathematics and Computer Science
2006 Stewart Rood, Ph.D.
Biological Sciences
2007 Robert James Sutherland, Ph.D.
Neuroscience
2008 Lawrence Flanagan, Ph.D.
Biological Sciences
2009 Brian Tittley, Ph.D.
Education
2010 Dave Morris, Ph.D.
Education
2011 Jennifer Mather, Ph.D.
Psychology
2012 Joseph Rasmussen, Ph.D.
Biological Sciences
2013 Cynthia Chambers, Ph.D.
Biological Sciences
2014 Sergio Pellis, Ph.D.
Neuroscience

UNIVERSITY OF LETHBRIDGE BOARD OF GOVERNORS RESEARCH CHAIRS

2000 Ian W hishaw, Ph.D., F.R.S.C.
Psychology and Neuroscience
2001 Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Psychology and Neuroscience
Stewart Rood, Ph.D.
Biological Sciences
Randall W eselake, Ph.D.
Chemistry and Biochemistry
2003 Larry Flanagan, Ph.D.
Biological Sciences
Kurt Klein, Ph.D.
Economics
Gail Michener, Ph.D.
Biological Sciences
David N aylor, Ph.D.
Physics
2005 Ian W hishaw, Ph.D., F.R.S.C.
Neuroscience
2006 Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Neuroscience
Stewart Rood, Ph.D.
Biological Sciences
2007 Sergio Pellis, Ph.D.
Neuroscience
Igor Kovachuk, Ph.D.
Biological Sciences
O lga Kovachuk, Ph.D.
Biological Sciences
2008 Larry Flanagan, Ph.D.
Biological Sciences
2011 Robert McDonald, Ph.D.
Neuroscience
Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Neuroscience
Stewart Rood, Ph.D.
Biological Sciences
2012 David N aylor, Ph.D.
Physics and Astronomy
Sergio Pellis, Ph.D.
Neuroscience
Olga Kovachuk, Ph.D.
Biological Sciences
Igor Kovachuk, Ph.D.
Biological Sciences

AWARDS OF DISTINCTION

2001 Bryan Kolb, Ph.D., F.R.S.C.
Neuroscience
2001 Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Neuroscience
Stewart Rood, Ph.D.
Biological Sciences
2007 Sergio Pellis, Ph.D.
Neuroscience
Igor Kovachuk, Ph.D.
Biological Sciences
Olga Kovachuk, Ph.D.
Biological Sciences
2008 Larry Flanagan, Ph.D.
Biological Sciences
2011 Robert McDonald, Ph.D.
Neuroscience
Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Neuroscience
Stewart Rood, Ph.D.
Biological Sciences
2012 David N aylor, Ph.D.
Physics and Astronomy
Sergio Pellis, Ph.D.
Neuroscience
Olga Kovachuk, Ph.D.
Biological Sciences
Igor Kovachuk, Ph.D.
Biological Sciences
2013 Robert Sutherland, Ph.D.
Neuroscience

2014 Shelly Wismath, Ph.D.
Mathematics and Computer Science

UNIVERSITY OF LETHBRIDGE BOARD OF GOVERNORS TEACHING CHAIRS
2007 Shelly Wismath, Ph.D.
Mathematics and Computer Science

2008 Rick Mrazek, Ph.D.
Education

2009 Hillary Rodrigues, Ph.D.
Religious Studies

2010 Robin Bright, Ph.D.
Education

2011 Janice Newberry, Ph.D.
Anthropology

2012 Lance Grigg, Ph.D.
Education

2013 Harold Jansen, Ph.D.
Political Science

UNIVERSITY OF LETHBRIDGE BOARD OF GOVERNORS UNIVERSITY SCHOLARS
2008 Brian Titeley, Ph.D.
Education
Lisa Doolittle, M.A.
Fine Arts
Claudia Malacrida, Ph.D.
Social Sciences

2009 Judith Kulig, D.N.Sc.
Health Sciences
Heidi MacDonald, Ph.D.
Humanities
Marc Roussel, Ph.D.
Sciences
Mahfooz Ansari, Ph.D.
Management

2010 Amy von Heyking, Ph.D.
Education
Catherine Kingfisher, Ph.D.
Social Sciences

2011 Debra Basil, Ph.D.
Management
Maria N.g, Ph.D.
Humanities
Louise Barrett, Ph.D.
Sciences

2012 Janice Rahn, Ph.D.
Education
Judith W heitehead, Ph.D.
Social Science
Peter Visentin, Ph.D.
Fine Arts

2013 Michael Basli, Ph.D.
Management
Judith Kulig, D.N.Sc.
Health Science
Mark W alton, Ph.D.
Sciences
Carol W illiams, Ph.D.
Humanities

2014 Kaz Mazurek, Ph.D.
Education
Josie Mills, Ph.D.
Fine Arts
Abdie Kaziemipur, Ph.D.
Social Sciences

PRESIDENT’S AWARD FOR SERVICE EXCELLENCE
2003 D ebi Sandul
Associate Registrar, Records and Registration

2004 Sharon Stevenson-Ferrari
Library Collections and Database Services (AUPE)
Terry Kirkvold
Telecom Manager (APO)

2005 C atherine Ross
Fine Arts Technician (AUPE)
Peter Haney
Assistant Registrar, Admissions (APO)

2006 P enny Secretan
Information Centre, Supervisor (AUPE)
Carrie Takeyasu
Associate Director, Financial Services (APO)

2007 C arl Budny
Building Maintenance (AUPE)

2008 J ane Allan
Grant Facilitator (APO)
Teresa Heyburn
Manager, Costume Shop (AUPE)
Lynn Hopkins
Costume Shop Assistant (AUPE)

2009 N aoimí Cramer
Administrative Assistant, Canadian Centre for Behavioural Neuroscience (AUPE)
Charlene Janes
International Liaison Officer, International Centre (APO)

2010 Facilities
Team Recipient: Major Building Construction Team
Calvin Toth
Audio Visual Production, Curriculum Re-Development Centre (APO)
Kim Fowler
Administrative Support (AUPE)

2011 Jaime Chinn
Business Systems Analyst, Information Technology (APO/ESS)
Dana Gorbin, Kristin Galicia, G hazia Kirn and Kelly Reid
Calgary Campus Administrative Team (AUPE)

2012 Kath len Schrage
Manager, School of Graduate Studies (APO)
Linda Sebastian
Timetable and Convocation Officer (AUPE)

2013 Barbara W illiams
Coordinator, Counseling Services (APO/ESS)
Barbara Hodgson
Administrative Support (AUPE)
1995  Madeleine Dion Stout, M.A.
1996  Wendy Nielsen, M.Mus.
1997  Brent A. Reynolds, Ph.D.
1998  Alfred Bogusky, B.F.A.
1999  Glen Frusky, Ph.D.
2000  Anil H. Pereira, B.Mgt.
2001  Lorraine Major, M.A.
2002  Austin Mardon, Ph.D.
2003  Leroy Little Bear, J.D.
2004  David Iwaasa, M.A.
2005  Raymond Romans, BASc. (B.A.)
2006  Shirley Steinberg, Ph.D.
2007  Trevor David Legg, Ph.D.
2008  Douglas Schmitt, Ph.D.
2009  Cheryl Jayne Misak, Ph.D.
2010  Blair R. McMurren, Ph.D.
2011  J. Michael Miltenberger, BSc. (B.A.)
2012  Kathryn Preuss, Ph.D.
2013  Robert Morrison, Ph.D.
2014  Lawrence Johnson, BASc., BSc.

DISTINGUISHED ACHIEVEMENTS

3M TEACHING AWARD
1999  Patricia Chuchryk, Ph.D.

CANADA COUNCIL KILLAM RESEARCH FELLOWSHIP
1998/1999  Bryan Kolb, Ph.D., F.R.S.C.
2007/2008  Stewart Rood, Ph.D.
2008-2010  Stewart Rood, Ph.D.

CANADA RESEARCH CHAIRS
2003  Alice Hon tela, Ph.D.
      Ecotoxicology (Tier 2)
      Joseph B. Rasmussen, Ph.D.
      Aquatic Ecosystems (Tier 1)
2004  Dan L. Johnson, Ph.D.
      Sustainable Grassland Ecosystems (Tier 1)
      Robert McDonald, Ph.D.
      Behavioural Neuroscience (Tier 2)
2005  Henning Bjornlund, Ph.D.
      Water Resource Economics (Tier 2)
      Hans-Joachim Wieden, Ph.D.
      Physical Biochemistry (Tier 2)
2006  Deborah Saucier, Ph.D.
      Neuroscience (Tier 2)
      Stacey W etmore, Ph.D.
      Chemistry and Biochemistry (Tier 2)
2009  Claudia Gonzalez, Ph.D.
      Kinesiology (Tier 2)
2010  Henning Bjornlund, Ph.D.
      Water and the Economy (Tier 2)
2012  Louise Barrett, Ph.D.
      Cognition, Evolution and Behaviour (Tier 1)
2013  Kristine Alexander, Ph.D.
      Child and Youth Studies (Tier 2)
2014  Andrew Iwaniuk, Ph.D.
      Comparative Neuroanatomy (Tier 2)

CANADA’S TOP 40 UNDER 40 (TM)
2010  Olya Kovalchuk, Ph.D.

CANADIAN ASSOCIATION FOR COOPERATIVE EDUCATION (CAFCE),
CO-OP STUDENT OF THE YEAR
2000  Russell Goodman

FULBRIGHT SCHOLARS
1999/2000  Derek R. Peddie, Ph.D.
2005/2006  Geoffrey Hale, Ph.D.
2007/2008  Christopher Kukucha, Ph.D.
2010/2011  Trevor Harrison, Ph.D.

POLARIS AWARD RESEARCH CHAIR
2008  Bruce McNaghton

PRENTICE INSTITUTE RESEARCH CHAIR
2009  Susan McDaniel, Ph.D.

ORDER OF CANADA
1986  Islay M. Arnold, O.C., LL.D. (h.c.)
2003  Howard E. Tennant, C.M., Ph.D., LL.D.
       (h.c.)
2006  Reginald Bibby, O.C., Ph.D., D. Litt. (h.c.)
       Officer (Social Sciences)
       James D. Horsman, C.M., QC, B.Comm.,
       LL.B., LL.D. (h.c.)
       Member (Public Service)
2007  Yoshio Senda, C.M., LL.D. (h.c.)

RHODES SCHOLARS
1984  Cheryl Misak
1998  Blair McMurren
2001  Russell Goodman

THE ROYAL SOCIETY OF CANADA
1990  John Woods, Ph.D., LL.D. (h.c.), F.R.S.C.
      Fellow (Academy of Humanities and Social Science)
      Vice President of Academy II (1994-1996)
      President of Academy II (1996-1998)
1994  Susan McDaniel, Ph.D., F.R.S.C.
      Fellow (Academy II, Academy of Social Science)
      Director, Social Sciences Division, 2007-2009
1998  Ian W. Hishaw, Ph.D., F.R.S.C.,
       Fellow (Academy of Science)
2000  Bryan Kolb, Ph.D., F.R.S.C.
       Fellow (Academy of Science)
2014  Andrew Iwaniuk, Ph.D.
       Member (College of New Scholars, Artists and Scientists).
COLLABORATING AND PARTNERING INSTITUTIONS

1. COLLABORATING INSTITUTIONS
   A collaborative program is offered jointly by the University of Lethbridge and a collaborating college. These programs are distinguished by policies relating to admission and graduation. Students are initially admitted to both the University of Lethbridge and to the collaborating institution. Graduating students are awarded a University of Lethbridge degree.

   Nursing Education in Southwestern Alberta (NESA) Programs, B.N. and B.N. (After Degree)
   Lethbridge College

2. PARTNERING INSTITUTIONS
   Partnering programs are offered independently by a college and lead to the completion of a certificate or diploma. These credentials are recognized by the University of Lethbridge for admission to a post-diploma degree program. Graduating students are awarded a University of Lethbridge degree.

   a. Agricultural Studies Program
      Alberta
      Grande Prairie Regional College
      Lakeland College
      Lethbridge College
      Northern Alberta Institute of Technology (NAIT)
      Olds College
      Manitoba
      Assiniboine Community College
      Saskatchewan
      Saskatchewan Polytechnic

   b. Computer Science Program
      Alberta
      Grande Prairie Regional College
      Lethbridge College
      Medicine Hat College
      British Columbia
      Camosun College
      Douglas College
      Kwantlen Polytechnic University
      Okanagan College
      Ontario
      Algonquin College
      Centennial College
      Durham College
      Georgian College
      Humber College
      Loyalist College
      Sheridan College
      St. Lawrence College
      Saskatchewan
      Saskatchewan Polytechnic

   c. Environmental Science Program
      Alberta
      Lakeland College
      Lethbridge College
      Northern Alberta Institute of Technology (NAIT)
      Olds College
      SAIT Polytechnic
      British Columbia
      Douglas College
      Selkirk College
      Manitoba
      Assiniboine Community College
      Northwest Territories
      Aurora College
      Nunavut
      Nunavut Arctic College
      Ontario
      Georgian College

   d. Geography, with a Concentration in Geographical Information Science Program

   e. Fine Arts - Art Program
   f. Fine Arts - Dramatic Arts Program
   g. Fine Arts - Multidisciplinary Program
   h. Health Sciences - Addictions Counselling Program
   i. Management Program
   j. Music Program

Red Deer College
SAIT Polytechnic
British Columbia
Camosun College
Douglas College
Kwantlen Polytechnic University
Okanagan College
Ontario
Algonquin College
Centennial College
Durham College
Georgian College
Humber College
Loyalist College
Sheridan College
St. Lawrence College
Saskatchewan
Saskatchewan Polytechnic
d. **Geography, with a Concentration in Geographical Information Science Program**
   - Alberta
     - Lethbridge College
     - Northern Alberta Institute of Technology (NAIT)
     - SAIT Polytechnic
   - British Columbia
     - Selkirk College
   - Manitoba
     - Assiniboine Community College
   - Saskatchewan
     - Saskatchewan Polytechnic

e. **Fine Arts - Art Program**
   - Alberta
     - Grande Prairie Regional College
     - Keyano College
     - MacEwan University
     - Medicine Hat College
     - Red Deer College
   - British Columbia
     - Camosun College
     - Capilano University
     - Emily Carr University of Art and Design
     - Kwantlen Polytechnic University
     - Langara College
     - Thompson Rivers University
     - University of the Fraser Valley
   - Ontario
     - Cambrian College
     - Fanshawe College
     - Fleming College
     - Georgian College
     - Humber College
     - Niagara College Canada
     - Ottawa School of Art
     - Sheridan College
   - United States
     - Brigham Young University - Idaho
   - Malaysia
     - Limkokwing University of Creative Technology

f. **Fine Arts - Dramatic Arts Program**
   - Alberta
     - Keyano College
     - MacEwan University
     - Medicine Hat College
     - Mount Royal University
     - Olds College
     - Red Deer College
   - British Columbia
     - Douglas College
     - Langara College
     - University of the Fraser Valley
   - Ontario
     - George Brown College
     - Humber College
     - Sheridan Institute
   - United States
     - Brigham Young University - Idaho


g. **Fine Arts - Multidisciplinary Program**
   - Alberta
     - Grande Prairie Regional College
     - MacEwan University
     - Mount Royal University
   - British Columbia
     - Camosun College
     - Capilano University
     - College of New Caledonia
     - College of the Rockies
     - Nicola Valley Institute of Technology
   - Manitoba
     - Assiniboine Community College
     - University College of the North
     - Red River College
   - Newfoundland
     - College of the North Atlantic
   - Northwest Territories
     - Aurora College
   - Nunavut
     - Nunavut Arctic College
   - Ontario
     - Algonquin College
     - Cambrian College
     - Centennial College
     - Conestoga College
     - Confederation College
     - Fanshawe College
     - Fleming College
     - Lambton College
   - United States
     - Brigham Young University - Idaho

h. **Health Sciences - Addictions Counselling Program**
   - Alberta
     - Lethbridge College
   - Ontario
     - Fleming College

i. **Management Program**
   - Alberta
     - Athabasca University
   - British Columbia
     - British Columbia Institute of Technology (BCIT)
     - Capilano University
     - College of the Rockies
     - Douglas College
     - Nicola Valley Institute of Technology
     - Okanagan College
     - Selkirk College
     - Vancouver Island University
   - Manitoba
     - University of Winnipeg
   - Newfoundland
     - College of the North Atlantic
   - Northwest Territories
     - Aurora College
   - Nunavut
     - Nunavut Arctic College
   - Ontario
     - Algonquin College
     - Fanshawe College
     - Fleming College
     - Lambton College
   - United States
     - Brigham Young University - Idaho
<table>
<thead>
<tr>
<th>Quebec</th>
<th>Dawson College</th>
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</thead>
<tbody>
<tr>
<td>Saskatchewan</td>
<td>Saskatchewan Indian Institute of Technologies (SIIT)</td>
</tr>
<tr>
<td></td>
<td>Saskatchewan Polytechnic</td>
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<tr>
<td>Yukon Territory</td>
<td>Yukon College</td>
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<tr>
<td>United States</td>
<td>Brigham Young University - Idaho</td>
</tr>
<tr>
<td>Malaysia</td>
<td>Disted - Stamford College</td>
</tr>
<tr>
<td></td>
<td>Nilai International College</td>
</tr>
<tr>
<td>Singapore</td>
<td>Nanyang Polytechnic</td>
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<tr>
<td></td>
<td>Temasek Polytechnic</td>
</tr>
</tbody>
</table>

**j. Music Program**

<table>
<thead>
<tr>
<th>Alberta</th>
<th>Grande Prairie Regional College</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>King's University College (The)</td>
</tr>
<tr>
<td></td>
<td>MacEwan University</td>
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<td></td>
<td>Mount Royal University</td>
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<td></td>
<td>Red Deer College</td>
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<tr>
<td>British Columbia</td>
<td>Camosun College</td>
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<td></td>
<td>Capilano University</td>
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<td></td>
<td>Douglas College</td>
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<tr>
<td></td>
<td>Kwantlen Polytechnic University</td>
</tr>
<tr>
<td>Ontario</td>
<td>Cambrian College</td>
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<td></td>
<td>Humber College</td>
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<td></td>
<td>Mohawk College</td>
</tr>
<tr>
<td>United States</td>
<td>Brigham Young University - Idaho</td>
</tr>
<tr>
<td>Malaysia</td>
<td>University College Sedaya International (UCSI)</td>
</tr>
</tbody>
</table>
**Academic Advisor**
Individual who provides advice to students regarding their program, major or other academic concerns at the University of Lethbridge.

**Academic Medals**
Awarded to mark the achievements of the University's top students. The University's Faculties and Schools award gold medals at Spring Convocation to the top undergraduate students in Arts, Science, Education, Management, Fine Arts and Health Sciences. An additional undergraduate gold medal (the Wiliam Aberhart Medal) is awarded by the Alberta Teachers Association. In the School of Graduate Studies, medals of merit are awarded to the most distinguished students graduating with a master's degree. The overall top undergraduate and graduate students in the institution receive, respectively, the silver and gold medals of the Governor General of Canada.

**Academic Objective**
Students planning to transfer to another university to complete a professional program declare an academic objective, which is their ultimate academic destination at a transfer institution (see Part 7 - Faculty of Arts and Science, Section 22, p. 146).

**Academic Schedule**
The University's schedule of dates and deadlines. These dates are legislated by General Faculties Council (GFC) and are not negotiable (see page 15).

**Accredited or Recognized Institution**
A university or college from which the University of Lethbridge normally accepts transfer credit.

**Add/Drop**
Period of time at the beginning of each semester when students may add or drop courses. Courses that are dropped by the Add/Drop deadline do not appear on the transcript as Withdrawals.

**Alberta Council on Admissions and Transfer (ACAT)**
An independent body consisting of representatives from the public, students, universities, public colleges, technical institutions, Alberta Vocational Colleges, private colleges and Alberta Education. The Council is responsible for developing policies, guidelines and procedures designed to facilitate course and program transfer arrangements among post-secondary institutions. The basic objective of the Council is the enlargement of educational opportunities for students.

**Alumni**
Individuals who have had a degree conferred on them by the University of Lethbridge. Associate alumni are those who have completed 10 or more courses toward a University of Lethbridge degree. (Alumnus - single male; alumna - single female; alumni - plural.)

**Alumna/Alumnus of the Year Award**
Awarded by the University of Lethbridge Alumni Association to recognize those individuals who have demonstrated outstanding academic achievement and have gained an international reputation in their chosen field.

**Applied Studies**
An opportunity for students to gain University course credit for volunteer or employment experience. Students should see the Coordinator of Applied Studies for specific information (AH154; tel. 403-329-2000).

**Audit Student**
A student who has been granted permission by an instructor to attend lectures in a course on the understanding that the student may not submit assignments, sit for examinations or participate in class discussions (except by invitation of the instructor). The course appears on the transcript, and the non-grade AU designation appears (see Part 2 - Registration, Section 3.e., p. 52).

**Bridge (www.uleth.ca/bridge)**
The University's online system that contains information and services such as application status, scholarship applications, course registration, fees, tax statements and access to final grades.

**Canadian Registered Nurse Examination (CRNE)**
A national examination for all students who have completed a program in approved nursing school.

**Career & Employment Services (CES)**
Career & Employment Services provides a comprehensive service to students in all stages of their career development. The co-location of Career and Employment Services (CES), Applied Studies, and the Co-operative Education/Internship Programs of the Faculties of Arts and Science and Management provides students with one-stop-shopping for their search for employment and their career development needs.

**Cognates**
Courses from a related discipline deemed to complement the chosen area of study and to encompass knowledge and skills essential to that area.

**Cohorts**
A group of students with a particular program focus who are admitted together and register together in a particular sequence of courses. Currently cohorts exist in the M.Ed., M.Sc. (Management) and Arts and Science.

**Combined Degrees Program**
Program offered at the University of Lethbridge which allows a student to complete requirements for two degrees simultaneously. The requirements for the 40-course single degree configuration are modified for the Combined Degrees program. Neither degree is awarded until all requirements for both degrees are completed.

**Concentration**
A defined set of courses related to the major but generally over and above the minimum requirements for the major. It may be required or optional. If a concentration is required for a major, both the major and concentration must be completed as neither may stand alone. Concentrations are not available in all programs.

**Contact Hours**
The total number of hours of instruction to which a student is obligated for a specific course. This number includes weekly lectures, labs and tutorials, as well as other irregularly scheduled requirements.

**Contingent Transfer Credit**
Transfer credit which has been approved, pending admission of the student into the appropriate program to which the transfer credit will be applied. Contingent transfer credit is not used to calculate a student's year level.
Continuing Student
An admitted student who has been enrolled in at least one course (including Placeholder courses) in each consecutive fall or spring semester from the time of his or her most recent admission to the University.

Convocation
An assembly for the purpose of conferring degrees; students are not graduates until degrees are conferred. Convocations are held twice annually (see Part 5 - Graduation).

Corequisite(s)
A course which must be taken prior to or in conjunction with another course.

Counsellor
Mental health professional eligible for provincial certification who provides personal counselling for students. This may include career or academic counselling. Vocational interest and related testing is provided by counsellors as required.

Credit Hours
The weighting factor of the course when determining grade point average. Regular full semester credit courses carry a weighting of 3.0 credit hours, while half-credit courses carry a weighting of 1.5 credit hours. Some courses carry non-standard credit hours (e.g., Art 3040 is worth 6.0 credit hours). A University of Lethbridge student requires 120 credit hours to graduate with a four year degree.

Cross-Listed Course
A cross-listed course is a single course originating from two different Faculties or two different departments within the same Faculty. Cross-listed courses appear in the Calendar and on student's academic records in the dual form, for example, Management 2070/Economics 2070. Courses that are cross-listed are noted in the course title.

Department
A formal subdivision within the Faculty of Arts and Science and the Faculty of Fine Arts at the University of Lethbridge. Departments are responsible for developing and administering programs and courses related to specific disciplines.

Discipline
A branch of knowledge or learning.

Distinguished Teaching Award
The Distinguished Teaching Award was established in 1987 to recognize the central importance of teaching to the philosophy and goals of our University. The award is presented at Convocation.

English as a Second Language (ESL)
The ESL program is designed for students who have not yet met the language requirements but are seeking admission to the University of Lethbridge. For further information, contact Language Services (SU047; tel. 403-329-2053).

English Language Proficiency (ELP)
Required of all students, both admitted and Open Studies, for whom English is not the first language. This requirement may be met in a variety of ways (see Part 1 - Admission, Section 6, p. 42).

Equivalent Courses
Equivalent courses can be substituted, one for the other, to meet any specified course requirement. The regulations that apply to repeated courses also apply to equivalent courses. Students should note, in particular, the calculation of grade point average (see Part 4 - Section 2.b. Repeat of a Course, p. 70). Courses that are equivalent are denoted with an 'Equivalent' course element in the course description.

Exchange Student
A student enrolled at one university who is attending another university under an approved exchange program.

Extra to Program Transfer Credit
Transfer credit which cannot be used to meet program requirements. For example, students may transfer in a maximum of 20 courses for a single 40-course degree. A student presenting 25 transferable courses will receive credit for only 20 of them toward that degree. The remainder will be deemed 'extra to program'. The designation of the specific 20 courses is flexible depending upon the program requirements that the student must meet.

Faculty
A formal subdivision within the University. Faculties are responsible for the development, approval and administration of programs and courses related to specific degrees.

Fee Payment Schedule
A schedule of fee payment dates and deadlines for students. These dates are set by Financial Services and are not negotiable (see page 61).

Fiat Lux - 'Let there be light.'
The University's motto and the words seen on its shield.

Final Grades
Grades recorded on the transcript for completed courses. Students may access their final grades via the Bridge.

Full-Time Student
According to the University, any student enrolled in at least nine (9.0) credit hours (three semester-long courses) in a fall, spring or summer session is considered full-time. Students enrolled in Co-operative Education Work Experience courses are considered to be full-time. Students receiving full-time government student loans for summer session will need to be registered from May through August in the minimum nine (9.0) credit hours (three semester-long courses) to qualify. Some exceptions to provincial/territorial student loan regulations exist; contact Scholarships and Student Finance for eligibility requirements. Government or other agencies may require more than these minimums per semester for loans or scholarships for which only full-time students are eligible.

General Admission
Basic, default admission into programs which do not have quotas or other requirements (e.g., auditions, portfolios) in addition to the basic admission requirements which all new students must meet.

General Liberal Education Requirement
A 12-course requirement for all University of Lethbridge undergraduate students. The requirement is based on the liberal education philosophy of the University and is designed to ensure that students acquire breadth of knowledge encompassing a wide range of disciplines.

Grade Point Average (GPA)
The current GPA is calculated on all graded courses completed in a given term. The cumulative GPA is calculated on all graded courses completed at the University of Lethbridge at a given level (undergraduate or graduate). Other types of GPA such as Admission GPA or Program GPA are used by certain Faculties or Units at the University of Lethbridge. These are defined by the Faculty or Unit who uses them (see Part 4 - Academic Regulations).

Required of all students, both admitted and Open Studies, for whom English is not the first language. This requirement may be met in a variety of ways (see Part 1 - Admission, Section 6, p. 42).

Equivalent Courses
Equivalent courses can be substituted, one for the other, to meet any specified course requirement. The regulations that apply to repeated courses also apply to equivalent courses. Students should note, in particular, the calculation of grade point average (see Part 4 - Section 2.b. Repeat of a Course, p. 70). Courses that are equivalent are denoted with an 'Equivalent' course element in the course description.

Exchange Student
A student enrolled at one university who is attending another university under an approved exchange program.

Extra to Program Transfer Credit
Transfer credit which cannot be used to meet program requirements. For example, students may transfer in a maximum of 20 courses for a single 40-course degree. A student presenting 25 transferable courses will receive credit for only 20 of them toward that degree. The remainder will be deemed 'extra to program'. The designation of the specific 20 courses is flexible depending upon the program requirements that the student must meet.

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Grades recorded on the transcript for completed courses. Students may access their final grades via the Bridge.

Full-Time Student
According to the University, any student enrolled in at least nine (9.0) credit hours (three semester-long courses) in a fall, spring or summer session is considered full-time. Students enrolled in Co-operative Education Work Experience courses are considered to be full-time. Students receiving full-time government student loans for summer session will need to be registered from May through August in the minimum nine (9.0) credit hours (three semester-long courses) to qualify. Some exceptions to provincial/territorial student loan regulations exist; contact Scholarships and Student Finance for eligibility requirements. Government or other agencies may require more than these minimums per semester for loans or scholarships for which only full-time students are eligible.

General Admission
Basic, default admission into programs which do not have quotas or other requirements (e.g., auditions, portfolios) in addition to the basic admission requirements which all new students must meet.

General Liberal Education Requirement
A 12-course requirement for all University of Lethbridge undergraduate students. The requirement is based on the liberal education philosophy of the University and is designed to ensure that students acquire breadth of knowledge encompassing a wide range of disciplines.

Grade Point Average (GPA)
The current GPA is calculated on all graded courses completed in a given term. The cumulative GPA is calculated on all graded courses completed at the University of Lethbridge at a given level (undergraduate or graduate). Other types of GPA such as Admission GPA or Program GPA are used by certain Faculties or Units at the University of Lethbridge. These are defined by the Faculty or Unit who uses them (see Part 4 - Academic Regulations).
**Grading Mode**
Grading mode indicates what type of grade will be awarded as defined in Part 4 - Academic Regulations. The standard grading mode employed by instructors is a letter grade; the alternative grading mode is Pass/Fail. Credit/N on-Credit, which is at the discretion of the student, is not a grading mode.

**Graduate Student**
A student enrolled in a program which leads to a master's degree (M.A., M.C., M.F.A., M.Mus., M.N., M.Sc., M.Sc. (Management), or M.Ed.) or a Doctoral degree (Ph.D.) at the University of Lethbridge.

**Honorary Degree**
A degree awarded by the University of Lethbridge Senate to an individual in recognition of outstanding achievement. The specific degree awarded varies according to both the individual's area of accomplishment and the source of the original nomination.

**Independent Study**
Individual study for course credit under the supervision of a professor. Course work may require independent library research or field work and a major term paper. For further information, students should consult the Department or Faculty member under whom they wish to pursue an independent study.

**Individual Multidisciplinary Major**
An individual major designed by the student. The major must be an in-depth study of a subject rather than a broad survey. The major must incorporate knowledge from several disciplines and should be derived from existing Arts and Science curriculum. It may not duplicate a program offered at the University.

**Ingrid Speaker Medal for Distinguished Research, Scholarship, or Performance**
The Ingrid Speaker Medal was established in 1995 to recognize the importance of research, scholarship and performance at the University of Lethbridge. The award is presented at Convocation.

**Interdisciplinary Studies**
Courses which study a single topic from a variety of disciplinary perspectives.

**International Student**
Any student whose nation of citizenship is not Canada, and who is not a Landed Immigrant in Canada. Classification as an International Student impacts fee assessment only.

**Laboratory**
A scheduled class meeting time separate from the normal three hours per week in which a lecture is held. The laboratory is set aside for practical learning, such as experiments, solving problems or listening and speaking (in the case of language courses).

**Major**
The primary academic focus of a program. It is generally a defined set of courses in a subject area. For each declared single degree, diploma or certificate, a major must be declared. Generally, unless otherwise specified, a student may declare only one major per credential sought, i.e., degree, diploma or certificate (refer to the Double Majors sections in the applicable Faculty parts of the Calendar). For the BASc., two majors must be declared. For Combined Degrees, two majors must be declared, i.e., one major for each degree sought.

**Member of the University Community**
Member of the University community means any student, employee, alumni, volunteer, person participating in a non-credit program offered by the University, person invited to participate in a University sponsored event, contractor or guest of the University.

**Minor**
A defined set of courses comprising a secondary focus of the program. It is generally not related to the major. A minor may be required or optional. Minors are not available in all programs.

**Notice Board** ([www.uleth.ca/notice/](http://www.uleth.ca/notice/))
A website maintained by Information Technology Service where campus community members can ‘post’ notices about upcoming events or happenings.

**Nursing Education in Southwestern Alberta (NESA)**
The Faculty of Health Sciences, in collaboration with Lethbridge College, prepares baccalaureate graduates as beginning practitioners in the Nursing Education in Southwestern Alberta (NESA) programs, Bachelor of Nursing and Bachelor of Nursing After Degree.

**Occasional Student**
See Open Studies Student.

**Official Transcript**
Transcripts are considered official when they bear the seal of the issuing institution and when they are sent directly from the issuing institution to the receiving institution.

**On-Campus Recruitment (OCR)**
The process by which employers conduct job interviews on campus.

**On-Campus Student**
A student enrolled in one or more courses delivered on the University of Lethbridge campus, even if the student is enrolled in other courses delivered off campus.

**Open Studies Student**
A student who is not formally admitted to a program at the University but who is permitted to take one or more courses in a given semester. Courses taken as an Open Studies Student may count in a University program if a student later applies and is admitted to a program at the University (see Part 2 - Registration, Section 3.f., p. 52).

**Part-Time Student**
According to the University, a student who is registered in fewer than nine (9.0) credit hours (three semester-long courses) in a fall, spring or summer semester is considered part-time. Students receiving full-time government student loans for the summer session should contact Scholarships and Student Finance for provincial/territorial student loan eligibility.

**Plagiarism**
The submission of a student of the writings, ideas or data of another individual as the student’s own in any essay or assignment.

**Pre-Program**
A program offered by the Faculty of Arts and Science in which the student completes requirements for admission to a professional program at the University of Lethbridge or another university.

**Prerequisite(s)**
The preliminary requirement which must be met or waived before a course can be taken.

**Prerequisite Waiver**
Written permission from a Faculty/School allowing a student to register in a course without the proper prerequisite. Prerequisite waiver forms may be obtained from the Department/Academic unit (see Section 2.d. Waiver of Prerequisite/Corequisite, Part 4 - Academic Regulations, p. 71).

**President’s Award for Service Excellence**
Inaugurated in Spring 2003, this award honours Administrative Staff members who enhance the reputation and improve the effectiveness of the University of Lethbridge through service, commitment and participation.
Program
A specific set of course requirements leading to the completion of a set of admission requirements, a degree, diploma or certificate, either at the University of Lethbridge or at an institution with which the University has formal transfer arrangements.

Quota Program
Any University of Lethbridge program in which admission involves special requirements including, but not limited to, enrolment quotas, specific admission averages or mandatory admission criteria such as interviews, portfolios, particular prerequisite courses, etc.

Recommended Background
A course which is not a preliminary requirement for another course but contains material which would provide a good background for that course. Students may take a course for which they do not have the recommended background but should be aware that they may have more difficulty with the course than a student who has the recommended background.

Rescinding Admission/Registration Privileges
The President has the power and authority to rescind (i.e., remove or revoke) an offer of admission to an Undergraduate program or Graduate program at the University of Lethbridge at any time prior to the date that the applicant commences academic studies at the University or the first day of the academic semester/session for which the application applies, whichever shall last occur. This same presidential authority in its entirety applies to Open Studies students and authorization to register. See Part 1 - Admission, Section 10. Caveat - Authority to Rescind Admission/Registration Privileges (p. 50).

Rescinding Registration Privileges/Prohibiting Access to University Property
The President has the power and authority to rescind any student’s registration in a course, an Undergraduate Studies program, or Graduate Studies program at the University of Lethbridge, and prohibit the student from accessing University property at any time. See Part 1 - Admission, Section 10. Caveat - Authority to Rescind Admission/Registration Privileges (p. 50).

Residence Requirement
The number of courses which must be completed at the University of Lethbridge in order for the degree, diploma or certificate to be conferred. See Part 4 - Academic Regulations, Section 2.d. (p. 83) for specific information on all program residence requirements. Some Faculties specify the number of courses students must take after the point of admission.

Returning After an Absence
Any applicants or students who were admitted to a University of Lethbridge program, completed one or more semesters at the University, subsequently interrupted their continuing student status prior to the completion of the program (whether the interruption was voluntary or involuntary on the part of the students), and who did not complete any university-level studies in the interim.

Returning Transfer
Any applicants or students who were admitted to a University of Lethbridge program, completed one or more semesters at the University, subsequently interrupted their continuing student status prior to the completion of the program (whether the interruption was voluntary or involuntary on the part of the students), and who completed university-level studies in the interim.

School
A formal subdivision within the University. Schools are responsible for the development, approval and administration of programs and courses related to specific degrees.

Semester
Semester refers to a period of study.

a. Fall semester occurs during the period September through December.

b. Spring semester occurs during the period January through April.

c. Summer semester occurs during the period May through August. Students registered in graduate or undergraduate courses that run full term during the period May through August are considered to be enrolled in the summer semester. See Summer Session below for information on courses that do not run full term over the summer.

Senate Volunteer Award
Inaugurated in Spring 2005, this award honours worthy recipients having a record of singularly exemplary and distinguished volunteer service to the University. This award is available to any member of the University community.

Senior Citizen
Any individual aged 65 years or older. Classification as a Senior Citizen impacts fee assessment only.

Series Course
A regularly offered course whose content may vary with each offering. Each Series course has one course number (e.g., Anthropology 3100 or English 3700). Different offerings in a series course are indicated by the course title. A Series course may be specified as a requirement in a major or program. Students may receive credit for more than one offering in a series if the offerings are distinct (i.e., if each offering has a different course title).

Specialization
A defined set of courses related to the major but over and above the minimum requirements for the major. It includes an experiential learning component such as a required internship. It may be required or optional. Specializations are not available in all programs.

Student
Student means any person, including a faculty or staff member, who is a) registered or enrolled in one or more credit and non-credit courses and programs at the University of Lethbridge for the current or a future term; or b) registered or enrolled in any University-sponsored program.

Substantially Similar Courses
Substantially similar courses contain a high percentage of similar course content but are not deemed equivalent. Students completing substantially similar courses must complete more than the minimum number of courses required in the program (see Part 4 - Section 2.c.1. Substantially Similar Course Limits, p. 70). Courses that are substantially similar are denoted with a ‘Substantially Similar’ course element in the course description.

Summer Session
Summer session refers to a period of study within the summer semester, which occurs during the period May through August. Summer Session I occurs during the period early May through late June; Summer Session II occurs during the period early to late July; Summer Session III/III occurs during the period early July to mid-August; and Summer Session IV occurs between the end of July and mid-August. The aggregate of all summer sessions is considered to be a summer semester. See Section 3.c. in Part 2 - Registration for information regarding financial support and maximum course load during summer session. See Summer Semester above for information on courses that run full term over the summer.
**Tabula Rasa**
Literally 'a clean slate.' A student who is required to withdraw from the University of Lethbridge may apply for readmission. Upon readmission, Tabula Rasa allows the student to retain credit for certain courses while the points and hours are removed from the student's record and the grade point average is rolled back to zero. This academic amnesty allows the student to retain credit for courses and to start over again with respect to grade point average. Tabula Rasa is available only in the Faculty of Arts and Science (see Section 4.e., p. 99), the Faculty of Fine Arts (see Section 4.e.2, p. 172), and the Faculty of Health Sciences (see Section 7.e., p. 197).

**Term**
For fall or spring, a 13-week semester. The summer term comprises a number of separate sessions. Summer Session I is six weeks, Summer Sessions II and III are three weeks each, and Summer Session II/III is six weeks.

**Topics Course**
A course which is not offered regularly at the University of Lethbridge and whose content varies with different offerings. Each Topics course is identified by the number 2850, 3850, 4850 or 5850, and different offerings are indicated by the title of the particular section. Students may take more than one offering of a Topics course for credit if the offerings are distinct (i.e., if each section taken has a different title).

A Topics course cannot be specified as a required course in any major or program.

**Transferable Course**
Courses offered at another post-secondary institution which may be awarded transfer credit, given successful admission of the student to an appropriate program at the University of Lethbridge.

**Transferable Grade Point Average**
The average of all grades a student is awarded for all completed transferable courses (including both passing and failing grades), whether or not these courses are actually transferred to a University of Lethbridge program.

**Transfer Credit**
Credit granted at the University of Lethbridge for courses taken at another university or college. Specified transfer credit corresponds directly to specific courses at the University of Lethbridge and satisfies specific program requirements. Unspecified transfer credit (1000-level unspecified, 2000-level unspecified, etc.) is granted in terms of approximating subject and course levels and may not satisfy specific program requirements.

**Transfer Student**
A student who has attended another post-secondary institution and who has been admitted to the University of Lethbridge with a minimum of nine (9.0) hours of transfer credit.

**Tutorial**
A scheduled class meeting time separate from the normal three hours per week in which a lecture is held. Tutorials allow opportunity for students to receive help from an instructor in specific areas, or to practice skills gained during lectures.

**Unclassified Student**
See Open Studies Student.

**Undergraduate Student**
A student enrolled in a program which leads to a bachelor's degree, a diploma or a certificate at the University of Lethbridge.

**University Shield**
The University's shield was designed in the University's colours of blue and gold. The gold sun on the blue shield represents southern Alberta. The University's motto, 'Fiat Lux,' Latin for 'Let there be light,' is lettered on a gold and silver band below the shield.

**Unofficial Transcript**
Transcripts are considered unofficial when issued directly to the student.

**Visiting Student**
There are two types of Visiting Students:

1. A University of Lethbridge student who has obtained special permission to study at another university for a time, and to receive credit at the University of Lethbridge for any course(s) taken on another campus. Permission must be obtained before enrolment at the other university. Contact the relevant academic advising office for more information.

2. A student enrolled at another university who has obtained special permission to study at the University of Lethbridge for a time and to receive credit at the other institution for any course(s) taken on the University of Lethbridge campus.

**Writing Proficiency Requirement**
A requirement needed for admission to the Faculty of Education. Please see the appropriate Parts in the Calendar for further information.
First Nations Governance
Minor ........................................ 222
First Nations’ Governance
Major
B.A./B.Mgt. or B.Sc./B.Mgt. .................................. 277
B.Sc. ........................................... 214
Mgt. Certificate ...................................... 224
Post-Diploma B.Mgt. .................................. 219
French
Courses ........................................ 359
Major
B.A. ........................................... 120
B.A./B.Ed. ...................................... 237
B.A./B.Mgt. ..................................... 270
Minor
B.A., B.Sc., B.A.Sc. Programs ................................. 139
Education (Modern Languages) Minor ....................... 162
French/German
Major
B.A. ........................................... 121
B.A./B.Ed. ...................................... 239
B.A./B.Mgt. ..................................... 270
French/Spanish
Major
B.A. ........................................... 121
B.A./B.Ed. ...................................... 239
B.A./B.Mgt. ..................................... 270
Full-Time Student
Defined ........................................ 596
Registration ...................................... 51
G
General Admission, defined .................................. 596
General Faculties Council ..................................... 579
General Liberal Education Requirement
Defined ........................................ 596
Requirement ....................................... 83
General Majors
Humanities
B.A. ........................................... 122
B.A./B.Mgt. ..................................... 270
B.Sc. ........................................... 122
B.Sc./B.Ed. ...................................... 237, 246
B.Sc./B.Mgt. ..................................... 272
Social Sciences
B.A. ........................................... 123
B.A./B.Ed. ...................................... 241, 250
B.A./B.Mgt. ..................................... 271
General Management
Major
B.A./B.Mgt. or B.Sc./B.Mgt. ................................ 279
B.Mgt. ........................................... 215
Mgt. Certificate ...................................... 225
Post-Diploma B.Mgt. ................................. 220
Geographical Information Science
Concentration
B.A. in Geography ....................................... 124
B.A., B.Sc. in Archaeology and Geography ................... 111
B.Sc. in Agricultural Studies .................................. 109
B.Sc. in Environmental Science ................................ 120
B.Sc. in Geography ..................................... 125
Post-Diploma B.Sc. in Agricultural Studies ................... 144
Post-Diploma B.Sc. in Geography ................................ 145
Geography
Courses ........................................ 361
Graduate ........................................ 367
Major
B.A. ........................................... 123
B.A./B.Ed. ...................................... 248
B.A./B.Mgt. or B.Sc./B.Mgt. ................................ 272
B.Sc. ........................................... 124
B.Sc./B.Ed. ...................................... 245
Post-Diploma B.Sc. .................................. 145
Geography Concentration
B.Sc. in Applied Statistics .................................. 110
Geology Courses ...................................... 367
German
Courses ........................................ 368
Education (Modern Languages) Minor ......................... 163
Major
B.A. ........................................... 125
B.A./B.Ed. ...................................... 238
B.A./B.Mgt. ..................................... 272
Minor
B.A., B.Sc., B.A.Sc. Programs ................................ 139
Glossary ........................................ 595
Grading ........................................ 68
Grade Point Average at the U of L ................................ 68
Mode ........................................... 296, 597
Repeat of Course .................................... 70
System of ....................................... 68
Graduate Students Association
Past Presidents ...................................... 578
President ........................................ 578
GRADUATE STUDENTS’ ASSOCIATION .......................... 550
Graduation ......................................... 89
Academic Dress ....................................... 91
Application Deadlines ..................................... 89
Outstanding Document Deadlines ................................ 89
Withdrawal of Application Deadlines ............................ 89
Awards Posthumously .................................... 90
Conferal ........................................... 90
Distinction or Great Distinction .................................. 90
In Absentia ....................................... 90
Medals ........................................... 90, 595
Order of Conferal ..................................... 90
Convocation Attendance .................................... 91
Convocation Invitation .................................... 90
Convocation, defined ..................................... 596
Outstanding Accounts .................................... 89
Parchments ......................................... 90
Names on ......................................... 90
Replacement ....................................... 91
Degree, Diploma, or Certificate Awarded ........................ 91
Requirements Completed .................................. 91
Greek Courses ....................................... 368
Health
Centre ........................................... 550
Opt-Out Deadline (SU Plan) .................................. 66
Fall Admission ....................................... 66
Spring Admission ..................................... 66
Policy for International Students ................................ 93
Students’ Union Plan .................................... 559
Health Sciences
Courses ........................................ 372
Graduate ........................................ 372
Health Sciences, Faculty of .................................. 191
In Good Standing ..................................... 197
Probation ......................................... 197
Required W ithdrawal for One Full Year .......................... 197
Tabula Rasa ....................................... 198
Advice and Information .................................... 191
B.H.Sc. After Transfer to a Professional Faculty ............... 196
Co-operative Education Studies ................................. 196
Courses ........................................ 368
Independent Studies .................................... 197
Institutional Honours .................................... 197
Dean’s Honour List ..................................... 198
Distinction, Great Distinction Standards .......................... 198
Internship and Practicum Placements .............................. 198
Philosophy ........................................ 191
Policies and Regulations .................................... 197
Hebrew Courses ...................................... 372
Hispanic
Courses ........................................ 372
History
Courses ........................................ 372
Course ........................................ 372
Courses ........................................ 372
Major
B.A. ........................................... 126
B.A./B.Ed. ...................................... 249
B.A./B.Mgt. ..................................... 272
Minor
B.A., B.Sc., B.A.Sc. Programs ................................ 139
Honorary Degree
Defined ........................................ 597
Recipients ........................................ 585
Honours Thesis Designation
Academic Regulations ....................................... 71
B.A., B.Sc., and B.A.Sc. .................................. 101
B.F.A. - Art ....................................... 175
B.F.A. New Media ..................................... 183
B.H.Sc. (Public Health) .................................. 202
Housing
Application Process ...................................... 551
Cancellations ........................................ 552
Housing Choices ....................................... 551
Recommendations for Personal Affects .......................... 552
Security Deposit ...................................... 552
Summer Housing ...................................... 553
Human Resource Management and Labour
Relations
Major
B.A./B.Mgt. or B.Sc./B.Mgt. ................................ 279
B.Mgt. ........................................... 215
Mgt. Certificate ...................................... 225
Post-Diploma B.Mgt. .................................. 220
I
Independent Study
Course Type ......................................... 294
Defined ........................................... 597
Information
Arts and Science ....................................... 100
Education ........................................... 159
Fine Arts ......................................... 173
Health Sciences ...................................... 197
Management ........................................ 211
Individual Credit ...................................... 46
Individual Multidisciplinary Majors ................................ 137, 597
Information Systems
Major
B.A./B.Mgt. or B.Sc./B.Mgt. ................................ 279
B.Mgt. ........................................... 216
Mgt. Certificate ...................................... 225
Post-Diploma B.Mgt. .................................. 220
Information Technology .................................... 553
Ingrid Speaker Medal for Distinguished Research, Scholarship, or Performance
Defined ........................................ 597
Recipients ........................................ 587
Intercultural Studies .................................... 597
Courses ........................................ 376
International Centre for Students (ICS) .......................... 93
International Management
Major
B.A./B.Mgt. or B.Sc./B.Mgt. ................................ 279
B.Mgt. ........................................... 216
Language Minor ...................................... 216, 221
Mgt. Certificate ...................................... 226
Post-Diploma B.Mgt. .................................. 220
Minor ........................................... 222
International Student
Defined ........................................ 93, 597
International Liaison Officer .................................. 93
Mandatory Health Care Policy ................................ 93
Internship Programs. See Co-operative Education ............... 93
J
Japanese
Income Tax ........................................... 61, 557
Payment ........................................... 61
Recognized Institution, defined .................. 595
Recreation Services, Sport and ..................... 555
Recruitment and Student Life ..................... 555
Refunds ........................................... 61
Registrar’s Office .................................. 555
Registration ........................................ 51
Add/Drop ........................................ 54
Advice and Information ............................ 51
Appeal of Registration ............................. 55
Audit Student ...................................... 52
Cancellation ...................................... 54
Classroom Privileges ................................ 54
Complete Withdrawal ............................... 55
Course Withdrawal ................................ 55
Part-Time and Full-Time Status .................. 55
W - Individual Course Withdrawal ................ 55
W/C - Withdrawal with Cause .................... 55
Exchange Student ................................. 52
Limitations ........................................ 54
Duplication of Registration ....................... 54
Faculty/School Quotas ............................. 54
Graduated Students ............................... 54
Holds on Registration ............................. 54
Maximum Credit Hours ........................... 54
Timetable Conflicts ............................... 54
Open Studies Student ............................. 52
Order of Registration ............................. 53
Recinding Registration Privileges’ Prohibiting Access 78, 598
Visiting Student .................................. 52
W hen to Register ................................ 53
Year of Student ................................ 51
Religious Studies Courses ........................ 443
Education Minor .................................. 163
Major ........................................... 133
B.A./B.Ed. ....................................... 275
B.A./B.Ed. or B.Sc./B.Mgt. ....................... 275
B.Sc. ........................................... 275
Arts and Science Major ........................... 275
Management Major ............................... 280
B.Mgt. .......................................... 217
Minor ........................................... 275
B.A., B.Sc., BASc. Programs ..................... 140
Population Health Minor ......................... 204, 223
PRE-NURSING PATHWAY ...................... 146
Pre-Professional Transfer Programs ............. 146
Prerequisite Waiver, defined ...................... 597
President and Vice-Chancellor .................... 578
President’s Award for Service Excellence 
Defined ........................................ 597
Recipients ....................................... 588
Principles of Student Citizenship ................. 11
Printing Services ................................ 555
Probation. See Academic Standards ............ 226
Professional Diploma in Accounting ............. 226
Program Defined ................................ 598
Pre-Program, defined ............................ 597
Pronghorn Athletics ............................... 555
Psychology Courses .............................. 439
Graduate ....................................... 422
Major ........................................... 133
B.A., B.Sc. ....................................... 133
B.A./B.Mgt. or B.Sc./B.Mgt. .................... 275
Psychology Concentration 
B.Sc. in Applied Statistics ....................... 110
Public Health Courses ........................... 442
Major ........................................... 202
B.H.Sc. .......................................... 289
B.H.Sc./B.Mgt. .................................. 289
Q
Quota Program, defined ......................... 598
R
Receipts

5

Scholarships and Student Finance

Awards and Scholarships ........................ 457
Academic Medals ................................ 540
Application for Awards ......................... 457
Entrance Awards ................................ 460
Awards for High School Applicants .......... 462
Leadership Scholarships ....................... 463
Transfer Scholarships ........................... 466
Entrance, Transfer, or Continuing Awards .... 467
Index of Awards and Scholarships ............. 543
Undergraduate Awards ........................ 477
Arts and Science ................................ 493
Athletics ......................................... 533
Education ....................................... 506
Fine Arts ....................................... 511
General ......................................... 477

5

Health Sciences .................................. 517
Management ...................................... 521
Financial Assistance ............................ 541
Incomplete (I) and Continuing (X) Grades .... 542
Repayment ...................................... 541
University Emergency Loan Fund ............. 542
Withdrawal from Courses ....................... 542
Loans and Grants ................................ 558
Scholarships and Bursaries ................. 557
Summer Session - Financial Support ............ 52

School, defined ................................. 598

Science

Courses. See Liberal Education ................ 143
Education Minor ................................. 163
Second Degree

Arts and Science ................................. 141
Education ....................................... 155
Fine Arts ....................................... 189
Management ..................................... 223
Nursing ......................................... 200
Semester ........................................ 598
Senate ........................................... 579
Senate Volunteer Award ........................ 598
Senior Citizen Defined .......................... 59, 598
Fee Assessment .................................. 60
Sheild. See University Shield ................. 223
Social Science Courses ......................... 445
Social Studies Education Minor .............. 163
Social Work ...................................... 149, 227
Sociology Courses ............................... 447
Major ........................................... 135
B.A. ........................................... 217
B.A./B.Ed. ...................................... 250
B.A./B.Mgt. ...................................... 276
Spanish Courses ................................. 451
Education (Modern Languages) Minor ....... 163
Major ........................................... 239
B.A./B.Ed. ...................................... 250
B.A./B.Mgt. ...................................... 276
Minor ........................................... 249
B.A., B.Sc., BASc. Programs ..................... 140
Special/Inclusive Education 
Education Specialization ......................... 163
Specialization, defined ......................... 598
Sport and Recreation Services ................. 555
Spring Semester. See Semester ................. 555
Statistics Courses ............................... 452
Student Awards - Scholarships and Bursaries. 
See Scholarships and Student Finance ........ 73
Student Discipline Policy 
Academic Offences ............................... 73
Non-Academic Offences ......................... 75
Student Housing Policy ......................... 82
Student Records Retention Policy ............. 51
Student, defined ................................ 598
Audit ........................................... 595
Continuing ...................................... 596
Exchange ........................................ 596
Full-Time ....................................... 596
Graduate ....................................... 597
International ................................... 597
On-Campus ..................................... 597
Open Studies ................................... 597
Part-Time ........................................ 597
Transfer .......................................... 599
Undergraduate .................................. 599
Visiting ........................................... 599
Students With Disabilities Policy ............. 82
Students’ Union ................................. 558

606