

University of
Lethbridge



Calendar

2013/2014

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ISBN #978-0-919555-47-01

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 2013/2014 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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THE UNIVERSITY SHIELD



The University of Lethbridge adopted its official Shield in 1973 (shown left), 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,' the 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.'



STATEMENT OF PHILOSOPHY

In the process of transmitting and advancing higher learning, the University of Lethbridge endeavours to cultivate humane values; it seeks to foster intellectual growth, social development, aesthetic sensitivity, personal ethics and physical well-being; it seeks to cultivate the transcendental dimension of the scholar's personality.

Flexibility and openness to innovation will be the distinguishing feature of the University of Lethbridge.

Notwithstanding its intention to offer diverse subject matter contributing to the acquisition of professional skills, the University regards learning as an end in itself, not merely as a means to material ends. Its primary aims are to foster the spirit of free inquiry and the critical interpretation of ideas.

The undergraduate is, and should remain, the focus of the University's endeavour. Students are invited to participate in all phases of university life. The highest degree of interaction between students and faculty is encouraged, and should not be confined to the physical limits of the campus.

It is desirable and necessary that the University should relate closely to the local community. Nevertheless, its outlook should not be determined by any regional or sectional interest. Through exposures to cosmopolitan influences and diverse cultures, scholars are best able to evaluate their own social and cultural milieux.

The University asserts its right and responsibility for free expression and communication of ideas. It is self-evident that a university cannot function without complete autonomy in this domain.

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, post-master's certificate programs, programs and degrees 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 deliver 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*

WHO WE ARE

A Board-governed public university functioning under Alberta's *Post-Secondary Learning Act*, the University of Lethbridge is a premier institution of higher education and research. A comprehensive university founded on the principles of liberal education, the U of L emphasizes inspiring teaching, a personalized and interactive learning environment, and student engagement in learning, creative activities, and research.

We provide undergraduate and graduate programs in education, fine arts, health sciences, humanities, management, nursing, sciences, and social sciences, leading to academic degrees at the Bachelor, Masters, and Doctoral levels. We offer targeted programming at our campuses in Calgary and Edmonton and through distance delivery. The University collaborates with First Nations, Metis, and Inuit (FNMI) peoples to develop programs that are relevant and accessible to them. The University of Lethbridge fosters an environment that meets the educational and personal needs of students through excellent teaching, exposure to research, interaction with professors and instructors, academic advising, counseling, and cultural, recreational and extracurricular programs. We value and support many approaches to teaching and learning, and strive to be a leader in using teaching tools, techniques, and technologies to facilitate, ameliorate, and refine the educational experience.

We establish and sustain facilities for pursuing original research and creative activities, and conduct research in all disciplines, developing and sustaining centres of research excellence in areas where we have special expertise or that have particular relevance to the region.

We build mutually supportive relationships and partnerships with governments, institutions, communities, organizations, and individuals, to evolve and improve the value of the University to the region, the province, the country, and the world.

WHY WE EXIST

The University of Lethbridge exists to build a better society.

We do this in six essential ways:

1. We prepare students for their personal and professional paths.
2. We develop creative discoverers and independent learners at the undergraduate and graduate levels.
3. We create, discover, disseminate, and apply knowledge through excellence in basic and applied research of regional and global impact.
4. We encourage and nurture creative expression.
5. We pursue community engagement.
6. We value, encourage, and celebrate the talents and efforts of our students, faculty, staff, and alumni.

WHERE WE ARE GOING

The University of Lethbridge will continue to build a comprehensive university that advances its sense of community, engagement, diversity, and connection.

The University of Lethbridge will be the institution of choice for those seeking an intimate and supportive environment, excellence in research and creative activity, an engaging and challenging learning experience, and respect for diversity. We will continue to broaden the scope of our programs and research while staying committed to our founding principles of liberal education and retaining the intimate academic experiences on which we have established a tradition of excellence.

We will welcome our students to a community of scholars that offers relevant and academically challenging programs. Opportunities for engagement in learning and research will exist across all disciplines and levels of program, from undergraduate to graduate. Rigorous research and creative work will continue to form the basis for inquiry and teaching across the learning contexts we provide. Our University will continue to increase the diversity of its scholarly activity and contributions. In achieving this we will be defined by collegiality.

The University of Lethbridge community—which includes all students, faculty, staff, and alumni who contribute to its operation and success—will extend beyond the walls of our institution. We will remain an integral part of our communities while fostering scholarly contributions of international excellence. We will support and enrich the diverse communities we serve with fresh insights and new directions.

OUR FUNDAMENTAL PRINCIPLES

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

OUR COMMITMENT TO SOCIETY

We cultivate responsible citizenship. The University develops and promotes good citizens who contribute to the building of better societies by applying their knowledge, skills, creativity, and powers of critical inquiry for the improvement of regional and global communities.

We protect and encourage free inquiry and expression. In keeping with the unique mandate of the university in society, the University of Lethbridge supports and protects artistic expression and the free and open scholarly discussion of issues, including those that are controversial. In the tradition of academic freedom, the University models collegial and civil debate, dissent, and controversy to critically explore and resolve issues in an atmosphere of professionalism, respect, and good will. We also have an obligation to address long-term issues and those of broad scope.

We work for the public good. As a public institution, the University of Lethbridge promotes and provides degree-level education for the public good and anticipates and responds to societal needs. The University bases its decisions about programs, standards, and capacity on the best available evidence. Within that context, we use innovative methods and processes to optimize the openness of the institution to qualified students.

We are connected with the community. The University publicizes its research, scholarship, creative activities, and other initiatives that have significance for society. Members of the University contribute to the community based on their professional expertise. The University develops relationships with organizations and individuals, and shares its facilities and resources for the good of the community. We acknowledge faculty, staff, students, and alumni for initiative and creativity that leads to the increased involvement of the University in the community.

The University of Lethbridge values its close and mutually supportive relationship with its alumni, who exemplify the benefits of the University and communicate its value locally, provincially, nationally, and globally.

We adopt a global perspective. Social, political, and economic divisions across the globe threaten the peace and prosperity of all. We nourish a global mindset in our students, faculty, staff, and alumni that facilitates cultural awareness and sensitivity that leads to a mature understanding and appreciation of the things that divide and unite us.

We promote diversity and ensure equal opportunity for participation. Diversity strengthens the University and enriches the experience of our students, staff, faculty members, and alumni. We respect, appreciate, and encourage diversity, and provide equal opportunity for full participation in the University. We are an inclusive community, in which students, staff, faculty members, and alumni feel welcome, respected, valued, and empowered to contribute fully. The University facilitates accessibility by all students, staff, faculty members, and alumni to the intellectual, physical, and social aspects of the institution.

We promote gender equity. The University of Lethbridge honours the rights of all and treats people with dignity and respect. We acknowledge the similarities and differences among women and men, and seek to remove all barriers that inhibit an individual's aspirations and potential. The University will create a supportive environment through education and communication. Equity is inclusive.

We increase the participation of FNMI peoples in all aspects of the University community. The University of Lethbridge values its relationship with FNMI peoples, and collaborates widely to develop programs that are relevant and available to them. We work with FNMI peoples to ensure that these partnerships, and the resulting programs, continue to meet all students' needs.

We promote a healthy lifestyle for our students, faculty, and staff. The U of L offers proactive health education, on-site health care, and health insurance information. We work to provide non-judgmental and confidential health care in a safe and caring environment. University facilities and programs provide opportunities to participate in sport, exercise, and recreation.

OUR COMMITMENT TO CREATIVITY, INQUIRY, AND DISCOVERY

We encourage and support research, scholarship, and creative work. The University of Lethbridge stimulates and supports research, scholarship, and creative work in all areas in which we teach, and in areas of special relevance to the region and province. This link between research and teaching allows us to explore what is known, challenge how it is known, and thus influence the nature of teaching. We value and protect an environment of free inquiry in which to conduct research, scholarship, and creative work, and communicate the results of these activities with others. We conduct ourselves on the basis of informed, evidence-based practice. We encourage students at all levels to become involved in research, scholarship, and creative activity.

We conduct research in many forms. Given the range of disciplines involved, research at the University takes many forms, including that with the broadest scope and longest term. The University has a responsibility to analyze and reflect on these matters, and to communicate the outcome of these efforts.

We believe that research—intellectual inquiry, study, and artistic investigation aimed at establishing facts and reaching new conclusions—is an inherent societal good and an end in itself. But, wherever possible, we connect our research to the needs and aspirations of the communities we serve.

OUR COMMITMENT TO STUDENTS

We give students the best preparation for their future. The University of Lethbridge provides students with a liberal education—a solid foundation for personal and professional growth. Liberal education promotes the development of academic skills that students can apply to a wide range of experiences, and a broad base of knowledge in the human, aesthetic, ethical, scientific, and organizational disciplines. It encourages a multi-faceted, reflective approach to the complex challenges of the 21st century.

We strive to develop a culture of achievement and motivation among students. The U of L helps students to identify strengths and overcome weaknesses. We seek to foster: a sense of responsibility for students' learning and personal development; effective student relations to peers and teachers; and student involvement in local, provincial, and national communities.

We are student-centred. Students give focus and meaning to the University of Lethbridge. The University helps students achieve their full potential by facilitating their intellectual growth and academic and personal excellence. To this end, the University maintains high academic standards and excellent programs, supported by high-quality, responsive services.

The University of Lethbridge supports and encourages the growth of students as whole persons, in an atmosphere of engagement, freedom from discrimination, and responsible use of authority.

We are a comprehensive university. Broad in scope, we offer undergraduate and graduate university education across Faculties and Schools and apply a balance between our focus on teaching and our commitment to research, scholarship, and creative activities.

We believe in excellence in undergraduate education. The University of Lethbridge treasures its reputation for quality, responsiveness, and innovation at the undergraduate level. We will continue to enhance our reputation as an institution offering outstanding programming to undergraduate students in a comprehensive university environment. We enhance our value for students and society by concentrating on fields that reflect the excellence of our faculty members and the interests of both students and society.

We are fully engaged in graduate education. The University of Lethbridge offers masters and doctoral programming, and we integrate graduate studies with undergraduate and research programs. Through our graduate offerings across all academic units, we contribute to our students' personal, intellectual, and professional development and help meet society's need for citizens with the highest levels of professional and intellectual achievement.

We promote effective teaching and learning. For the undergraduate student, we promote primarily face-to-face learning, which reflects our belief that people benefit from spending time working together in the same place. We provide online and distance learning for courses and programs where these delivery modes make the best sense. Our use of appropriate technology permeates teaching and learning activities, enhancing both.

OUR COMMITMENT TO INSPIRATION

We inspire. The University of Lethbridge aspires to inspirational teaching that ignites intellectual passion and stimulates a thirst for knowledge. We value and support many approaches to teaching and learning, in a variety of settings within the University and in the broader community.

We believe education is a journey, not a destination. A true measure of our success is our alumni's continuing interest in a lifetime of learning, and their commitment to this goal. The University welcomes those students pursuing degrees and those taking courses out of general interest and intellectual curiosity. We are open to offering quality programs for degree completion and programs that are approved and recommended by professional associations and organizations.

We expand horizons. A global perspective is essential to the University of Lethbridge in its teaching, learning, and research. The University educates its students to become well-rounded citizens of a complex society, capable of making important contributions in Canada and elsewhere in the world.

The University of Lethbridge invites students and faculty members from around the world to participate in learning at the University, and provides international opportunities for our students and faculty members to experience other cultures.

OUR COMMITMENT TO RESPONSIBLE ACTION

We advance the interests of the University of Lethbridge. The University of Lethbridge communicates with its internal and external communities so that its mission, goals, and work are well understood. We engage our alumni and other supporters in the activities of the University. We build the value of the University to society by developing mutually supportive relationships with governments, individuals, and organizations.

We practice procedural fairness. All internal and external University processes are fair, open, and transparent. We act in accordance with all applicable codes of professional and ethical practice, and practice professionalism and civility in all interactions.

We are active and innovative in recruitment and retention. In developing a coordinated approach to recruiting and retaining excellent faculty members and staff, the University of Lethbridge pursues new and innovative ideas, implements the most effective strategies, and monitors their success. We encourage and pursue the training and professional development of all our people.

We practice sound financial and resource management. The University of Lethbridge maintains exemplary financial management of our public and private funds and resources. We practice resource management in a transparent manner.

We use technology effectively. We use technology to facilitate and enhance, not supplant, learning and research relationships among students, faculty members, and other university stakeholders. The University considers technology a means, not an end.

We are environmentally and socially responsible. When making decisions about the design and operation of the University of Lethbridge, we act ethically and responsibly, considering environmental sustainability and good citizenship.

*Approved by the General Faculties Council
December 1, 2008*

*Approved by the Board of Governors
December 18, 2008*

*Approved by the Minister, Alberta Advanced Education and Technology
August 12, 2010*

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 8,400 full-time and part-time students, both graduate and undergraduate, with a campus overlooking the beautiful Oldman River. Approximately 3,500 students are enrolled in Summer Session. The University also offers programs in Calgary and Edmonton, serving approximately 500 students in each location. There are more than 31,000 UofL 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 87,880.

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 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 (B.A.Sc.). 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 (B.F.A. - Art), Bachelor of Fine Arts (B.F.A. - Dramatic Arts), Bachelor of Fine Arts (B.F.A. - Multidisciplinary), Bachelor of Fine Arts (B.F.A. - New Media, formerly *Multimedia*), and Bachelor of Music (B.Mus.), as well as a number of post-diploma programs leading to these degrees.

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. 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 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 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 School of Graduate Studies offers instruction leading to the following degrees: Master of Arts (M.A.), Master of Science (M.Sc.), Master of Counselling (M.C.), Master of Education (M.Ed.), Master of Fine Arts (M.F.A.), Master of Music (M.Mus.), Master of Science (M.Sc. - Management), and, in limited research areas, Doctor of Philosophy (Ph.D.). The School of Graduate Studies also offers graduate and post-master's certificates in Education and Counselling.

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 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.

UNIVERSITY OF LETHBRIDGE PRINCIPLES OF STUDENT CITIZENSHIP

A. PREAMBLE

Definition

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.

Purpose & Scope

These Principles of Student Citizenship define the University of Lethbridge's expectations for the behaviour for its students. It does not define academic and non-academic offences, disciplinary procedures and actions, or appeals and complaints procedures; these are defined in the UofL Calendar.

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.

C. IMPLEMENTATION OF THE PRINCIPLES

1. The Principles of Student Citizenship came into effect when approved by the General Faculties Council.
2. The Associate Vice President, Students is responsible for establishing processes to monitor the effectiveness of the Principles of Student Citizenship in influencing student behaviour.

D. AMENDMENT OF THE PRINCIPLES

1. Proposed changes to the Principles of Student Citizenship can be forwarded by students, faculty, staff, or senior administrators of the University of Lethbridge to the Executive Committee of the General Faculties Council.
2. The Executive Committee of the General Faculties Council sends proposed changes to the Associate Vice President, Students and the General Assembly of the Students' Union, which provides its feedback to the Associate Vice President, Students.
3. The Associate Vice President, Students considers all student feedback on the proposed changes and forwards recommendations to the Executive Committee of the General Faculties Council. On behalf of the General Faculties Council, the Executive Committee may approve minor editorial changes.
4. Proposals for substantive changes to the Principles of Student Citizenship must be published in the *Meliorist* and on the University of Lethbridge website at least 10 days before they are considered for approval by the General Faculties Council.
5. The proposed changes come into effect immediately upon approval by the General Faculties Council.

NOTICES TO STUDENTS

Regarding the Collection of Personal Data

THE COLLECTION OF PERSONAL INFORMATION

The University of Lethbridge handles personal information collected from or about students according to the Confidentiality of Student Records Policy approved by the Board of Governors and General Faculties Council. The policy was developed to ensure that sensitive information required to operate and promote the University's programs and activities is used only for those purposes.

The University collects only that personal information which is necessary to fulfill the University Mandate (p. 7), in accordance with the Freedom of Information and Protection of Privacy (FOIP) Act, and that which the University is required to collect by federal or provincial law.

The subsections which follow outline personal information collected by the University. In general terms, this information is used for the operation and promotion of the University's programs and activities. Where there is a specific legal requirement to collect information, it is noted in the subsection. Personal information about students may be used for reporting to the federal and provincial governments as required by law, or for compiling statistical reports. Personal information included in statistical reports is reported in a non-identifying format and is used for public information and for reporting to government and other agencies.

If you have general questions about the collection of personal information about students, please contact the Privacy Office, University of Lethbridge (tel. 403-332-4620 or email: karen.mahar@uleth.ca). The mailing address for all contacts listed is 4401 University Drive, Lethbridge, Alberta T1K 3M4.

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 (FOIP) Act*.

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; immigration status (collection is specifically authorized by the *Immigration Act*); correspondence. It is used to determine a student's eligibility for admission, to track progress at the University, to contact the student when necessary, to confirm a student's status and identity, 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:

403-329-2233 donald.hunt@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, to track the student's progress, to contact the student as necessary, to operate the programs of the Faculty or School, to provide advice to the student as requested and to 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	linda.gilbert@uleth.ca
Education	403-329-2051	darcy.mckenna@uleth.ca
Fine Arts	403-329-2126	angela.luck@uleth.ca
Health Sciences	403-329-2676	dean.hlsc@uleth.ca
Management	403-329-2633	carol.vandyk@uleth.ca
Graduate Studies	403-329-2121	lorie.peter@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 alison.nussbaumer@uleth.ca

SCHOLARSHIPS AND STUDENT FINANCE

The Scholarships and Student Finance Office 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 awards and relates to specific eligibility requirements set by the donors. The University also administers student loan programs under contracts with the Alberta Students Finance Board. 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 the Scholarships and Student Finance Office is used to administer the awards programs of the University, and the loan programs of the provincial and federal governments.

For further information about personal information collected by the Scholarships and Student Finance Office, please contact the Associate Vice-President, Students:

403-320-5700 regoffice.inquiries@uleth.ca

STUDENT HOUSING AND FOOD SERVICES

The Housing Services and Food 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:

403-329-2239 booth@uleth.ca

INFORMATION TECHNOLOGY

The University offers email services and computer access to students. The primary purposes of the service are to enable the students to contact one another and their faculty members, to participate in online research and discussions, and to allow assignments to be completed. Information Technology collects personal information about students in order to assign access to the University servers, to 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, please contact the Chief Information Officer:

403-332-4109 clark.ferguson@uleth.ca

FINANCIAL SERVICES

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 takeyasuc@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):

403-329-2276 elaine.carlson@uleth.ca

SPORT AND RECREATION SERVICES

Sport and Recreation Services collects personal information about students necessary to operate and promote intramural programs, to offer recreational classes and to offer drop-in programs. The information is used to determine eligibility to participate in the programs and to 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 slavin@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 slavin@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 angela.luck@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 john.okeeffe@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 daniel.berte@uleth.ca

403-329-2350 carolin.cattoidemkiw@uleth.ca

ERRATA AND ADDENDA

The University of Lethbridge 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 Advanced Education and Technology may provide the University with approval to offer new programs and majors. Such approval may be given after the Calendar has gone to print. 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 2013/2014 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

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 night classes) Monday, Tuesday, Wednesday, Thursday, Friday, or Saturday

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

Fee deadlines are on page 66.

Admission application and document deadlines are on page 24.

Note:
Dates and Deadlines for 2015 and 2016 are tentative and subject to change.

University Offices Closed		2013	2014	2015	2016
Holidays	New Year's Day	Jan 1	Jan 1	Jan 1	Jan 1
	Family Day	Feb 18	Feb 17	Feb 16	Feb 15
	Reading Week (No Classes, University Offices Open)	Feb 19 - Feb 23	Feb 18 - Feb 22	Feb 17 - Feb 21	Feb 16 - Feb 20
	Good Friday	Mar 29	Apr 18	Apr 3	Mar 25
	Easter Monday	Apr 1	Apr 21	Apr 6	Mar 28
	Victoria Day	May 20	May 19	May 18	May 23
	Canada Day	Jul 1	Jul 1	Jul 1	Jul 1
	Civic Holiday	Aug 5	Aug 4	Aug 3	Aug 1
	Labour Day	Sep 2	Sep 1	Sep 7	Sep 5
	Thanksgiving	Oct 14	Oct 13	Oct 12	Oct 10
	Remembrance Day	Nov 11	Nov 11	Nov 11	Nov 11
Christmas Holidays	Dec 25 - Jan 1	Dec 25 - Jan 2	Dec 25 - Jan 1	Dec 25 - Jan 2	

January 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

January 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

January 2015						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
						31

		2013	2014	2015	2016
January	If available, registration for Open Studies and Visiting Students for the Spring semester.	Jan 3 - Jan 15	Jan 3 - Jan 14	Jan 6 - Jan 13	Jan 5 - Jan 12
	New Student Welcome.	Jan 8	Jan 7	Jan 6	Jan 5
	First day of classes for the Spring semester.	Jan 9	Jan 8	Jan 7	Jan 6
	Orientation meeting for Professional Semester II students in the Faculty of Education.	Jan 9	Jan 8	Jan 7	Jan 6
	Orientation meeting for students registered in Education 2500.	Jan 9	Jan 8	Jan 7	Jan 6
	Last day for course add/drop and registration for the Spring semester, including Independent Study and Undergraduate Thesis courses.	Jan 15	Jan 14	Jan 13	Jan 12
	First day for submission of Credit/Non-Credit course designations to the Registrar's Office and Student Services (ROSS).	Jan 16	Jan 15	Jan 14	Jan 13
	Registration for Audit Students.	Jan 16, 17	Jan 15, 16	Jan 14, 15	Jan 13, 14

February 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

February 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

February 2015						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

February 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

		2013	2014	2015	2016
February	Last day for submission of Credit/Non-Credit course designations to the Registrar's Office and Student Services (ROSS).	Feb 1	Feb 1	Feb 1	Feb 1
	Students who withdraw by this date are assessed a percentage of fees (see the fee assessment schedule on p. 60).	Feb 1	Feb 1	Feb 1	Feb 1
	Deadline for submission of Grade Appeal forms for courses completed in the Fall semester to the Faculty/School Office.	Feb 7	Feb 7	Feb 7	Feb 7
	Deadline for submission of Student Program Change forms (Degree, Major, Specialization, Minor, Concentration) to the Registrar's Office and Student Services (ROSS).	Feb 15	Feb 15	Feb 15	Feb 15
	Reading Week - no classes.	Feb 19 - Feb 23	Feb 18 - Feb 22	Feb 17 - Feb 21	Feb 16 - Feb 20
Last day for withdrawal from individual courses offered in the first half of the semester only (see the fee assessment schedule on p. 60).	Feb 28	Feb 27	Feb 25	Feb 24	

March 2013							March 2014							March 2015							March 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2						1	1	2	3	4	5	6	7			1	2	3	4	5	
3	4	5	6	7	8	9	2	3	4	5	6	7	8	8	9	10	11	12	13	14	6	7	8	9	10	11	12
10	11	12	13	14	15	16	9	10	11	12	13	14	15	15	16	17	18	19	20	21	13	14	15	16	17	18	19
17	18	19	20	21	22	23	16	17	18	19	20	21	22	22	23	24	25	26	27	28	20	21	22	23	24	25	26
24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30	31	27	28	29	30	31						
31							30	31																			

March	2013	2014	2015	2016	
	Deadline for Application for Graduation for Spring Convocation.	Mar 1	Mar 1	Mar 1	Mar 1
	Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see the fee assessment schedule on p. 60).	Mar 15	Mar 15	Mar 15	Mar 15
	First day of registration for continuing students, including M.Ed. students, for Summer Session and the Fall semester.	Mar 21	Mar 20	Mar 19	Mar 17

April 2013							April 2014							April 2015							April 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6			1	2	3	4	5			1	2	3	4						1	2	
7	8	9	10	11	12	13	6	7	8	9	10	11	12	5	6	7	8	9	10	11	3	4	5	6	7	8	9
14	15	16	17	18	19	20	13	14	15	16	17	18	19	12	13	14	15	16	17	18	10	11	12	13	14	15	16
21	22	23	24	25	26	27	20	21	22	23	24	25	26	19	20	21	22	23	24	25	17	18	19	20	21	22	23
28	29	30	27	28	29	30	26	27	28	29	30	24	25	26	27	28	29	30									

April	2013	2014	2015	2016	
	Deadline to clear all outstanding accounts for Spring Convocation.	Apr 1	Apr 1	Apr 1	Apr 1
	Last class meeting for Wednesday night classes.	Apr 10	n/a	Apr 8	Apr 6
	Last class meeting for Thursday night classes.	Apr 11	n/a	Apr 9	Apr 7
	Deadline for Application for Visiting Student Authorization for Visiting Studies in Summer Session.	Apr 15	Apr 15	Apr 15	Apr 15
	Additional and last class meeting for Monday night classes.	Apr 17	n/a	Apr 15	Apr 13
	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 20	Apr 15	Apr 18	Apr 16
	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 (see the fee assessment schedule on p. 60).	Apr 20	Apr 15	Apr 18	Apr 16
	Last day for application to the Faculty/School Advising Office for Withdrawal with Cause for the Spring semester.	Apr 20	Apr 15	Apr 18	Apr 16
	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 20	Apr 15	Apr 18	Apr 16
	If available, first day of registration for Open Studies and Visiting Students for Summer Session.	Apr 22	Apr 17	Apr 20	Apr 18
	Spring semester final examinations begin.*	Apr 22	Apr 22	Apr 21	Apr 19
	Spring semester final examinations end.	Apr 30	Apr 30	Apr 29	Apr 27
	Deadline for Withdrawal of Application for Graduation for Spring Convocation.	Apr 30	Apr 30	Apr 30	Apr 30
Deadline for receipt of outstanding documents in support of an Application for Graduation for Spring Convocation.	Apr 30	Apr 30	Apr 30	Apr 30	
Last day of the academic year.	Apr 30	Apr 30	Apr 30	Apr 30	

*Calgary and Edmonton campuses final examination schedules may deviate slightly from the Lethbridge campus schedule.

May 2013							May 2014							May 2015							May 2016								
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat		
			1	2	3	4				1	2	3				1	2				1	2	3	4	5	6	7		
5	6	7	8	9	10	11	4	5	6	7	8	9	10	3	4	5	6	7	8	9	8	9	10	11	12	13	14		
12	13	14	15	16	17	18	11	12	13	14	15	16	17	10	11	12	13	14	15	16	15	16	17	18	19	20	21		
19	20	21	22	23	24	25	18	19	20	21	22	23	24	17	18	19	20	21	22	23	22	23	24	25	26	27	28		
26	27	28	29	30	31	25	26	27	28	29	30	31	24	25	26	27	28	29	30	29	30	31							

May	2013	2014	2015	2016	
	First day of the academic year.	May 1	May 1	May 1	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 1	May 1	May 1	May 1
	First day of classes for Summer Session, Full-Term (e.g., Co-operative Education work terms and Applied Studies).	May 8	May 7	May 7	May 5
	First day of classes for Summer Session I.	May 8	May 7	May 7	May 5
	Orientation meeting for students registered in Education 2500.	May 8	May 7	May 7	May 5
	Last day to register and add/drop for Summer Session I, for all students.	May 10	May 9	May 11	May 9
	Registration for Audit Students for Summer Session I.	May 13	May 12	May 12	May 10
	Submission of Credit/Non-Credit course designations for Summer Session I to the Registrar's Office and Student Services (ROSS).	May 13, 14	May 12, 13	May 12, 13	May 10, 11
	Spring Convocation. (Registrar's Office and Student Services (ROSS) closed until 11:00 a.m.)	May 30, 31	May 29, 30	May 28, 29	See Jun 2016

June 2013							June 2014							June 2015							June 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1							1												1		
2	3	4	5	6	7	8	8	9	10	11	12	13	14	7	8	9	10	11	12	13	5	6	7	8	9	10	11
9	10	11	12	13	14	15	15	16	17	18	19	20	21	14	15	16	17	18	19	20	12	13	14	15	16	17	18
16	17	18	19	20	21	22	22	23	24	25	26	27	28	21	22	23	24	25	26	27	19	20	21	22	23	24	25
23	24	25	26	27	28	29	29	30	28	29	30	26	27	28	29	30											

June	2013	2014	2015	2016	
	Spring Convocation. (Registrar's Office and Student Services (ROSS) closed until 11:00 a.m.)	See May 2013	See May 2014	See May 2015	Jun 2, 3
	Deadline for submission of Grade Appeal forms for courses completed in the Spring semester to the Faculty/School Office.	Jun 7	Jun 7	Jun 7	Jun 7
	Last day of classes for Summer Session I.	Jun 24	Jun 23	Jun 24	Jun 22
	Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session I (see the fee assessment schedule on p. 60).	Jun 24	Jun 23	Jun 24	Jun 22
	Summer Session I final examinations for Tuesday-Thursday classes.	Jun 25	Jun 24	Jun 25	Jun 23
	Summer Session I final examinations for Monday-Wednesday classes.	Jun 26	Jun 25	Jun 29	Jun 27
Summer Session I final examinations for Friday-Saturday classes.*	Jun 27	Jun 26	Jun 30	Jun 28	

*Calgary and Edmonton campuses final examination schedules may deviate slightly from the Lethbridge campus schedule.

July 2013							July 2014							July 2015							July 2016							
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
						1							1												1			
7	8	9	10	11	12	13	6	7	8	9	10	11	12	5	6	7	8	9	10	11	3	4	5	6	7	8	9	
14	15	16	17	18	19	20	13	14	15	16	17	18	19	12	13	14	15	16	17	18	10	11	12	13	14	15	16	
21	22	23	24	25	26	27	20	21	22	23	24	25	26	19	20	21	22	23	24	25	17	18	19	20	21	22	23	
28	29	30	31	27	28	29	30	31	26	27	28	29	30	31	24	25	26	27	28	29	30							

July	2013	2014	2015	2016	
	First day of classes for Summer Session II and II/III.	Jul 3	Jul 2	Jul 2	Jul 4
	Last day to register and add/drop for Summer Session II and II/III, for all students.	Jul 5	Jul 4	Jul 6	Jul 6
	Registration for Audit Students for Summer Session II and II/III.	Jul 8	Jul 7	Jul 7	Jul 7
	Submission of Credit/Non-Credit course designations for Summer Session II and II/III to the Registrar's Office and Student Services (ROSS).	Jul 8, 9	Jul 7, 8	Jul 7, 8	Jul 7, 8
	Last day for registration for newly admitted Professional Semester I Faculty of Education students, newly admitted Faculty of Fine Arts students, newly admitted Faculty of Health Sciences students, and newly admitted Faculty of Management students for the Fall semester.	Jul 19	Jul 18	Jul 17	Jul 22
	Last day for registration for maintaining admission status for continuing students for the Fall semester.	Jul 19	Jul 18	Jul 17	Jul 22
	Last day of classes for Summer Session II.	Jul 23	Jul 22	Jul 22	Jul 22
	Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session II (see the fee assessment schedule on p. 60).	Jul 23	Jul 22	Jul 22	Jul 22
	Summer Session II final examinations.	Jul 24	Jul 23	Jul 23	Jul 25
	First day of classes for Summer Session III.	Jul 26	Jul 25	Jul 27	Jul 27
	Last day to register and add/drop for Summer Session III for all students.	Jul 29	Jul 28	Jul 28	Jul 28
	Registration for Audit Students for Summer Session III.	Jul 30	Jul 29	Jul 29	Jul 29
	Submission of Credit/Non-Credit course designations for Summer Session III to the Registrar's Office and Student Services (ROSS).	Jul 30, 31	Jul 29, 30	Jul 29, 30	Jul 29 - Aug 2

When a deadline date occurs on a weekend or Statutory or Civic Holiday, the deadline will be the next working day.

August 2013							August 2014							August 2015							August 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3						1	2							1		1	2	3	4	5	6
4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8	7	8	9	10	11	12	13
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	14	15	16	17	18	19	20
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	21	22	23	24	25	26	27
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29	28	29	30	31			
							31							30	31												

August	2013	2014	2015	2016	
	Submission of Credit/Non-Credit course designations for Summer Session III to the Registrar's Office and Student Services (ROSS).	See Jul 2013	See Jul 2014	See Jul 2015	Jul 29 - Aug 2
	Deadline for Application for Graduation for Fall Convocation.	Aug 1	Aug 1	Aug 1	Aug 1
	Deadline for Application for Visiting Student Authorization for Visiting Studies in the Fall semester.	Aug 15	Aug 15	Aug 15	Aug 15
	Deadline to clear all outstanding accounts for Fall Convocation.	Aug 15	Aug 15	Aug 15	Aug 15
	Last day of classes for Summer Session III.	Aug 16	Aug 15	Aug 17	Aug 17
	Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session III (see the fee assessment schedule on p. 60).	Aug 16	Aug 15	Aug 17	Aug 17
	Summer Session III final examinations.	Aug 19	Aug 18	Aug 18	Aug 18
	Last day of classes for Summer Session II/III.	Aug 19	Aug 18	Aug 19	Aug 17
	Last day for withdrawal from individual courses, or complete withdrawal, for Summer Session II/III (see the fee assessment schedule on p. 60).	Aug 19	Aug 18	Aug 19	Aug 17
	Last day for withdrawal from individual courses, or complete withdrawal, for full-term Summer Session courses (May - August) (see the fee assessment schedule on p. 60).	Aug 19	Aug 18	Aug 19	Aug 17
	Last day of classes for Summer Session Full-Term.	Aug 19	Aug 18	Aug 19	Aug 17
	Summer Session II/III final examinations for Tuesday-Thursday classes.	Aug 20	Aug 19	Aug 20	Aug 18
	Summer Session II/III final examinations for Monday-Wednesday classes.	Aug 21	Aug 20	Aug 24	Aug 22
	If available, first day of registration for Open Studies and Visiting Students for the Fall semester.	Aug 26	Aug 25	Aug 31	Aug 29
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 26	Aug 25	Aug 31	Aug 29	
Deadline for Withdrawal of Application for Graduation for Fall Convocation.	Aug 26	Aug 25	Aug 31	Aug 29	
New Student Orientation.	Aug 29, 30	Aug 28, 29	See Sep 2015	See Sep 2016	

September 2013							September 2014							September 2015							September 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	1	2	3	4	5	6	7			
8	9	10	11	12	13	14	7	8	9	10	11	12	13	6	7	8	9	10	11	12	4	5	6	7	8	9	10
15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15	16	17	18	19	11	12	13	14	15	16	17
22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22	23	24	25	26	18	19	20	21	22	23	24
29	30						28	29	30					27	28	29	30				25	26	27	28	29	30	

September	2013	2014	2015	2016	
	New Student Orientation.	See Aug 2013	See Aug 2014	Sep 3, 4	Sep 1, 2
	New Student Welcome.	Sep 3	Sep 2	Sep 8	Sep 6
	Orientation meeting and classes for Professional Semester I students in the Faculty of Education.	Sep 3	Sep 2	Sep 8	Sep 6
	First day of classes for the Fall semester, including evening classes, on and off campus.	Sep 4	Sep 3	Sep 9	Sep 7
	Orientation meeting for students registered in Education 2500.	Sep 4	Sep 3	Sep 9	Sep 7
	Last day for course add/drop and registration for the Fall semester, including Independent Study and Undergraduate Thesis courses.	Sep 10	Sep 9	Sep 15	Sep 13
	First day for submission of Credit/Non-Credit course designations to the Registrar's Office and Student Services (ROSS).	Sep 11	Sep 10	Sep 16	Sep 14
Registration for Audit Students.	Sep 11, 12	Sep 10, 11	Sep 16, 17	Sep 14, 15	

October 2013							October 2014							October 2015							October 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5				1	2	3	4					1	2	3							1
6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10	2	3	4	5	6	7	8
13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17	9	10	11	12	13	14	15
20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24	16	17	18	19	20	21	22
27	28	29	30	31			26	27	28	29	30	31	25	26	27	28	29	30	31	23	24	25	26	27	28	29	
																				30	31						

October	2013	2014	2015	2016	
	Last day for submission of Credit/Non-Credit course designations to the Registrar's Office and Student Services (ROSS).	Oct 1	Oct 1	Oct 1	Oct 1
	Students who withdraw by this date are assessed a percentage of fees (see the fee assessment schedule on p. 60).	Oct 1	Oct 1	Oct 1	Oct 1
	Deadline for submission of Grade Appeal forms for courses completed in Summer Session to the Faculty/School Office.	Oct 7	Oct 7	Oct 7	Oct 7
	Deadline for submission of Student Program Change forms (Degree, Major, Specialization, Minor, Concentration) to the Registrar's Office and Student Services (ROSS).	Oct 15	Oct 15	Oct 15	Oct 15
	Last day for withdrawal from individual courses offered in the first half of the semester only (see the fee assessment schedule on p. 60).	Oct 18	Oct 17	Oct 23	Oct 21
	Fall Convocation.	Oct 19	Oct 18	Oct 17	Oct 15

November 2013							November 2014							November 2015							November 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2						1	1	2	3	4	5	6	7			1	2	3	4	5	
3	4	5	6	7	8	9	2	3	4	5	6	7	8	8	9	10	11	12	13	14	6	7	8	9	10	11	12
10	11	12	13	14	15	16	9	10	11	12	13	14	15	15	16	17	18	19	20	21	13	14	15	16	17	18	19
17	18	19	20	21	22	23	16	17	18	19	20	21	22	22	23	24	25	26	27	28	20	21	22	23	24	25	26
24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30						27	28	29	30			
							30																				

November	2013	2014	2015	2016	
	Deadline for Application for Graduation for students completing program requirements in the Fall semester who want to have this recorded on their transcript. Students who do not apply by this deadline must apply by the final deadline of March 1 for Spring Convocation.	Nov 1	Nov 1	Nov 1	Nov 1
	First day of registration for continuing students, including M.Ed. students, for the Spring semester.	Nov 8	Nov 7	Nov 16	Nov 14
	Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see the fee assessment schedule on p. 60).	Nov 15	Nov 15	Nov 15	Nov 15
	Last class meeting for Wednesday night classes.	Nov 27	Nov 26	n/a	Nov 30
	Last class meeting for Thursday night classes.	Nov 28	Nov 27	See Dec 2015	See Dec 2016
	Last class meeting for Friday night classes.	Nov 29	n/a	See Dec 2015	n/a

December 2013							December 2014							December 2015							December 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
8	9	10	11	12	13	14	7	8	9	10	11	12	13	6	7	8	9	10	11	12	4	5	6	7	8	9	10
15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15	16	17	18	19	11	12	13	14	15	16	17
22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22	23	24	25	26	18	19	20	21	22	23	24
29	30	31					28	29	30	31				27	28	29	30	31			25	26	27	28	29	30	31

December	2013	2014	2015	2016	
	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	Dec 1	Dec 1	Dec 1
	Last class meeting for Thursday night classes.	See Nov 2013	See Nov 2014	Dec 3	Dec 1
	Last class meeting for Friday night classes.	See Nov 2013	n/a	Dec 4	n/a
	Additional and last class meeting(s) for Monday night classes.	Dec 4, 5	Dec 3	Dec 10	Dec 7
	Additional and last class meeting for Tuesday night classes.	n/a	Dec 4	n/a	n/a
	Last day of classes for the Fall semester: (The last class meeting for professional semester students varies according to required hours in the practicum.)	Dec 6	Dec 4	Dec 11	Dec 9
	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 (see the fee assessment schedule on p. 60).	Dec 6	Dec 4	Dec 11	Dec 9
	Last day for application to the Faculty/School Advising Office for Withdrawal with Cause for the Fall semester.	Dec 6	Dec 4	Dec 11	Dec 9
	Fall semester final examinations begin.*	Dec 9	Dec 8	Dec 14	Dec 12
	Deadline for Application for Visiting Student Authorization for Visiting Studies in the Spring semester.	Dec 15	Dec 15	Dec 15	Dec 15
	Fall semester final examinations end.	Dec 17	Dec 16	Dec 22	Dec 20
	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 24	Dec 24	Dec 24	Dec 23

*Calgary and Edmonton campuses final examination schedules may deviate slightly from the Lethbridge campus schedule.

Part I

ADMISSION

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I. 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. 26**).

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. 33**).

College Diploma applicants who have completed an approved diploma at a recognized college or technical or vocational institute (see **Section 3.b.2., p. 33**).

College Certificate applicants who have completed an approved certificate at a recognized college or technical or vocational institute (see **Section 3.b.3., p. 34**).

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. 34**).

Previous Degree applicants who have already completed a degree at a recognized university (see **Section 3.b.5., p. 34**).

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. 34**).

Visiting or Exchange students from another university (see **Section 3.d., p. 35**).

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. 39**).

Detailed admission information is listed below, or may be obtained by contacting the Registrar's Office and Student Services (ROSS) 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 Assistant Registrar (Admissions and Transfer) for assistance and further information (tel. 403-382-7134 or fax 403-329-5159).

2. APPLICATION DEADLINES**a. Undergraduate Admissions Application and Document Deadlines for 2013/2014**

For Undergraduate Admissions Application and Document Deadlines for 2013/2014, see table on **p. 25**.

See **University of Lethbridge 2013/2014 Graduate Studies Calendar** for Graduate Application and Document deadlines.

Supporting Documents

All documents supporting an application should be sent directly to:

Registrar's Office and Student Services (ROSS)
University of Lethbridge
4401 University Drive
Lethbridge, Alberta
T1K 3M4

2013/2014 Undergraduate Application and Document Deadlines

		Fall 2013			Spring 2014		
Admission Route, Program		Application	Admission Decision Documents ¹	Final Official Documents ²	Application	Admission Decision Documents ¹	Final Official Documents ²
General Admission to programs that do not have special deadlines							
High School	Early admission ³	March 1	May 1	August 15	N/A		
	General admission	June 1	August 1	August 15	November 1	November 15	November 15
Post-Secondary	Transfer (course-by-course)	June 1	June 15	June 15	November 1	November 15	November 15
	Previous Degree	June 1	June 15	June 15	November 1	November 15	November 15
	Post-Diploma	June 1	June 15	June 15 ⁴	November 1	November 15	November 15 ⁴
	Continuing U of L	June 1	June 30	June 30	November 1	November 15	November 15
	Returning After Absence U of L	June 1	June 15	June 15	November 1	November 15	November 15
Other	Mature/Non-Matric. Adult	June 1	June 15	August 15	November 1	November 15	November 15
	Off-Shore International	May 15	June 15	June 30	September 15	September 15	November 15
Programs with special deadlines, document requirements, or limited (quota) availability							
High School Applicants Only	Pre-Engineering ⁵	N/A			N/A		
Post-Secondary Applicants Only (including U of L Continuing Students)	B.Ed., including Combined Degrees with B.Ed. ⁶	May 1	June 1 ⁷	June 1 ⁷	N/A		
	Post-Diploma—B.F.A. and B.Mus. ⁸	June 1	June 15	June 15 ⁴	November 1	November 15	November 15 ⁴
	Post-Diploma—B.Mgt.	June 1	June 30	August 30 ⁴	November 1	November 15	December 24 ⁴
Available to both High School (HS) and Post-Secondary (PS) applicants (including U of L Continuing Students)	B.F.A. (Art) ⁸	June 1	June 15 ⁸	HS August 15 PS June 15	November 1	November 15 ⁸	November 15
	B.F.A. (New Media) including Combined Degrees with B.F.A. (New Media) ⁸	June 1	June 15 ⁸	HS August 15 PS June 15	November 1	November 15 ⁸	November 15
	B.Mus. (Music majors) ⁹	June 1	June 15 ⁹	HS August 15 PS June 15	November 1	November 15 ⁹	November 15
	B.Mus. (Digital Audio Arts majors) ¹⁰	June 1	June 15 ¹⁰	HS August 15 PS June 15	N/A		
	B.Nursing ¹¹	March 1	April 1 ¹¹	HS August 15 PS June 15	N/A		
	B.Nursing (After Approved Degree) ¹¹	March 1	April 1	June 15	N/A		
	B.Sc. (Environmental Science majors) excluding Post-Diploma B.Sc.	May 1	HS August 1 PS June 15	HS August 15 PS June 15	November 1	November 15	November 15
	B.H.Sc. (Addictions Counselling majors) ¹²	June 1	HS August 1 PS June 15	HS August 15 PS June 15	N/A		
Notes:							
<p>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 post-secondary institutions not participating in ApplyAlberta or any educational institution out-of-province must arrange to have official transcripts sent directly to the Admissions Office.</p> <ol style="list-style-type: none"> 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 (U of L EDUC 2500 may be an exception; see note 7, below). Qualifications on which an admission decision is based must be completed by this date; applications will be closed if sufficient documentation has not been received by this date. Early Admission applicants are advised to apply by March 1; this is important for scholarship eligibility and optimal course selection. <i>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.</i> Evidence of diploma completion, either by transcript or written confirmation of the diploma institution, must be received by this date. Admission to the pre-Engineering program is currently unavailable. This route is only available to students who have completed a minimum of 20 courses. 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. Note: There are admission requirements in addition to academic transcripts for Drama Education, Music Education, Native Education, and Physical Education. See the applicable admission section in Part 13, Combined Degrees, or contact Student Program Services in the Faculty of Education (email: edu.sps@uleth.ca; phone: 403-329-2254). Applicants to these Fine Arts programs must provide audition/portfolio requirements in addition to academic transcripts. Detailed information regarding audition/portfolio requirements is available at the Faculty of Fine Arts website (www.uleth.ca/finearts/admissions) and in the applicable admission section in Part 9, Faculty of Fine Arts. Students entering the Music major must audition for the Faculty of Fine Arts before they can register for Music Studio. Students majoring in Digital Audio Arts may choose Music Studio courses as electives. Audition application and information are available at www.uleth.ca/finearts/departments/music/admissions. Students entering the Digital Audio Arts major must submit a digital portfolio to the Faculty of Fine Arts for admissions purposes. Digital Audio Arts portfolio requirements are available at www.uleth.ca/finearts/departments/music/admissions. Conditional admission decisions may be made on the basis of interim/unofficial transcripts and mid-term mark statements (for courses in progress) received by the by the Admission Decision Document deadline. Applicants must submit an Admission Statement to the Admissions Office by June 1. The Admission Statement form is available at www.uleth.ca/healthsciences/statement. See Part 10, Faculty of Health Sciences. 							
General Notes:							
<ul style="list-style-type: none"> The reserves the right to consider applications received or completed after the application/documents deadlines should openings remain in any program. An application is not complete until all final, official documents have been received by the. 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. Applicants residing in countries (e.g., Nigeria) where necessary documentation takes more than three months will receive offers of admission for the Fall semester only. 							

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.

I. 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:

- Aboriginal Studies 30
- Biology 30
- Chemistry 30
- One Fine Arts course:¹
 - 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 subjects²
- 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: *Students are strongly encouraged to complete Mathematics 30-1. Mathematics 30-2 may be used as an Academic course for admission, but Mathematics 30-1 is required as a prerequisite for courses in certain programs. See "Programs that DO NOT Require Prior Mathematics" and "Programs that DO Require Mathematics After Admission" at www.uleth.ca/ross/hs_prereqs/math/math_requirements.html. Instead of Mathematics 30-1, students may use UofL'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:¹
 - 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 12A²
- 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 language²

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: *Where provincial examinations are mandatory, applicants must present final grades that include provincial examination grades. Whether the provincial examination is mandatory or optional, the admission average will be calculated using the higher of the provincial examination grade or school grade.*

Students are strongly encouraged to complete Pre-Calculus 12. Foundations of Mathematics 12 may be used as an Academic Course for admission, but Pre-Calculus 12 is required as a prerequisite for courses in certain programs. See "Programs that DO NOT Require Prior Mathematics" and "Programs that DO Require Mathematics After Admission" at www.uleth.ca/ross/hs_prereqs/math/math_requirements.html.

Instead of Pre-Calculus 12, students may use UofL's Mathematics 0500.

Manitoba

One academic English course:

- English Language Arts 40S (one credit)

Three academic courses from this list:

- Biology 40S
- Chemistry 40S
- Computer Science 40S
- One Fine Arts course:¹
 - Art 40S or Art 40G
 - Drama 40S
 - Band 40S, Choral 40S, Guitar 40S, Jazz Band 40S, Music 40S, or Strings/Orchestra 40S
- One of Pre-Calculus Mathematics 40S or Applied Mathematics 40S
- Physics 40S
- Western Civilization 40S
- World Geography 40S
- World Issues 40S
- Any 40S-level language²

Fifth course:

- A fifth distinct course which:
 - Can be academic or non-academic
 - Must be at the 40 level
 - Must be worth at least one credit

Note: *Students are strongly encouraged to complete Pre-Calculus Mathematics 40S. Applied Mathematics 40S may be used as an Academic course for admission, but Pre-Calculus Mathematics 40S is required as a prerequisite for courses in certain programs. See "Programs that DO NOT Require Prior Mathematics" and "Programs that DO Require Mathematics After Admission" at www.uleth.ca/ross/hs_prereqs/math/math_requirements.html.*

Instead of Pre-Calculus Mathematics 40S students may use UofL'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:¹
 - 121 or 122-level Fine Arts course
 - Theatre Arts 120
 - Music 120
- One of French 121 or 122²
- Geography 120
- One of History 121 or 122
- Latin 122²
- 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 language²

Fifth course:

- A fifth distinct course which:
 - Can be academic or non-academic
 - Must be at the 120, 121, or 122 level
 - Must be worth at least one credit

Newfoundland and Labrador

One academic English course:

- English 3201

Three academic courses from this list:

- Biology 3201
- Chemistry 3202
- One of French 3200 or 3201²
- Earth Systems 3209
- One of Mathematics 3204, 3205, 3207, or 3103
- Physics 3204
- World Geography 3202
- World History 3201
- One 3000-level, two-credit Fine Arts course¹
- Any 3200-level language²

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

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:¹
 - Art 12
 - Film & Video Production 12
 - Music 12
- French 12²
- 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 language²

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: *Students are strongly encouraged to complete Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12. Mathematics Foundations 12 may be used as an Academic course for admission, but Pre-Calculus 12, Advanced Mathematics 12, or Mathematics 12 is required as a prerequisite for courses in certain programs. See "Programs that DO NOT Require Prior Mathematics" and "Programs that DO Require Mathematics After Admission" at www.uleth.ca/ross/hs_prereqs/math/math_requirements.html.*

Instead of Pre-Calculus Mathematics 40S students may use UofL'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'

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
- French 621²
- Geography 621
- History 621
- Mathematics 611 (Calculus)
- One of Mathematics 621A or Mathematics 621B (Mathematics 621B is recommended for students entering university-level science or management programs)
- Music 621¹
- Oceanography 621
- Physics 621
- Any 621-level language²

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

Quebec

One academic English course:

- English Literature 603

Two semesters of CEGEP courses, including four of the following:

- Biology 101
- Chemistry 202
- One Fine Arts course:¹
 - Art 520
 - Drama 560
 - Music 550
- One of French 601 or French 602²
- Geography 320
- History 330
- Mathematics 201
- Physics 203
- Any 607- to 616-level language²

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) (Français/Immersion students may use one of Français Français A30 or B30 or Français 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:¹
 - Arts Education 30 or Visual Art 30
 - Dance 30
 - Drama 30
 - Band 30, Choral 30, or Music 30
- One of Français Français A30 or B30, or French 30²
- 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 language²

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

Note: Students are strongly encouraged to complete Pre-Calculus 30. Foundations of Mathematics 30 may be used as an Academic course for admission, but Pre-Calculus 30 is required as a prerequisite for courses in certain programs. See "Programs that DO NOT Require Prior Mathematics" and "Programs that DO Require Mathematics After Admission" at www.uleth.ca/ross/lhs_prereqs/math/math_requirements.html.

Instead of Pre-Calculus 30, students may use UofL's Mathematics 0500.

Notes:

¹Only one Fine Arts course may be used as an academic course in the admission average. Another distinct 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.

²Only one course in a particular language will be used for admission purposes, e.g., in Alberta, only one of French Language Arts 30-1 or French as a Second Language 30-3Y will be used. Grades from 20-level language, or language and culture courses in six, nine, or 12-year streams may be used for admission purposes in place of 30-level languages, e.g., German Language and Culture 20-6Y.

2. Admission Average

To qualify for General Admission, applicants must have an admission average of at least 65 percent calculated on the five admission courses. The basic admission average is 60 percent; the current admission cut-off is 65 percent.

Note: The blended grade, which averages the school-assigned final grade and the Departmental examination grade, will be used where possible in calculating this average.

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 28**).

Grades and courses from outside Alberta which have been evaluated by agencies other than the original educational institution are subject to review and adjustment by the University of Lethbridge.

For High School Applicant Program Availability and Required Qualifications, see **page 30**.

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 already completed and estimate marks for courses in progress and courses he/she plans to complete based on Grade 12 mid-term marks or Grade 11 final marks.

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 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. 40**) 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) (*formerly Multimedia*), the B.N., and the transfer program in pre-Engineering) 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. 39**).
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 given grade achievement as indicated in the table on **p. 32**.
 - 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. For this purpose, AP course grades are converted as follows:

AP Result	Grade 12 Percentage
5	96%
4	86%
3	76%
2	65%
1	not acceptable for admission

To obtain AP transcripts:

AP College Board ATP (Transcript Department)
P.O. 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. 32**.
 - 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:

IB Grade	Grade 12 Percentage
7	97%
6	84%
5	77%
4	65%
3	55%
2	45%
1	45%

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

Faculty	Programs Available	Required Admission Average*
Arts and Science	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. 26) for general admission requirements.	65%
	Professional Transfer program in Engineering. See Part 7 - Arts and Science - Section 22.b. (p. 154) .	Competitive, typically 75% and above
	Four-year degree program: Bachelor of Science (Environmental Science). See Part 1 - Admission - Section 3.a.1. (p. 26) for general admission requirements.	Competitive
	'Pre-programs' to Education (see below).	65%
	Combined Degrees programs: B.A./B.Mgt. and B.Sc./B.Mgt. See Part 13 - Combined Degrees (p. 271) for additional admissions requirements.	65%
Education	'Pre-programs' to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. (Art or Dramatic Arts)/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.	65%
Fine Arts	Four-year degree programs: Bachelor of Fine Arts (B.F.A. - Art, Dramatic Arts, Multidisciplinary or New Media) and B.Mus. See Part 9 - Fine Arts, Section 3. Admission (p. 174) for additional admission requirements. See Part 9 - Fine Arts, Section 8.e.3. (p. 191) for Studio Audition procedures for the B.Mus. program.	65% Audition/Portfolio/Questionnaire
	'Pre-programs' to five-year Combined Degrees programs: B.F.A. (Art or Dramatic Arts)/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) applicants. See Part 9 - Fine Arts, Section 8.e.3. (p. 191) for Studio Audition procedures for the B.Mus. program.	65% Audition/Portfolio
	Five-year Combined Degrees program: B.F.A. (New Media)/B.Mgt. See Part 13 - Combined Degrees, Section 11 (p. 295) for additional admission requirements.	65% Audition/Portfolio

Faculty	Programs Available	Required Admission Average*
Health Sciences	Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Addictions Counselling major See Part 10 - Health Sciences, Section 4.c. (p. 197) 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 4.c. (p. 198) 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 4.a. (p. 196) for additional admission requirements.	Competitive
	Five-year Combined Degrees program: B.H.Sc./B.Mgt. See Part 13 - Combined Degrees, Section 12 (p. 298) for additional admission requirements.	65%
Management	Four-year degree program: Bachelor of Management (B.Mgt.). See Part 11 - Management, Section 4.a. (p. 214) for additional admission requirements.	65%
	Five-year Combined Degrees programs: B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. (New Media)/B.Mgt., B.H.Sc./B.Mgt. See Part 13 - Combined Degrees, (p. 237) 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. 268) for additional admission requirements.	65%

Advanced Placement Program

AP Course	UofL Course
Art History	AHMS 2225/2xxx (6)
Art Studio (Drawing)	ART 2031 (3)
Art Studio (2-D Design)	ART 2xxx (3)
Art Studio (3-D Design)	ART 2032 (3)
Biology	BIOL 1010 (3)
Calculus AB	MATH 1560/2560 (6)
Calculus BC (grade of 3, 4, or 5)	MATH 1560/2560 (6)
Chemistry	CHEM 1000/2000 (6)
Computer Science A	CPSC 1620 (3)
Economics (Macroeconomics)	ECON 1012 (3)
Economics (Microeconomics)	ECON 1010 (3)
English (Language and Composition)	ENGL 1900 (3)
English (Literature and Composition)	ENGL 1xxx (3) ¹
Environmental Science	ENVS 2000 (3)
French (Language)	FREN 1500/2000 (6)
French (Literature)	FREN 2300/2xxx (6)
Geography (Human)	GEOG 1200 (3)
German (Language)	GERM 1500/2000 (6)
History (European)	HIST 1000 (3)
History (United States)	HIST 2600 (3)
History (World)	HIST 1000 (3)
Latin	Special Assessment
Music (Listening and Literature) ²	MUSI 1000 (3)
Music (Theory) ²	MUSI 1xxx (3)
Physics B	PHYS 1050 (3)
Physics C (Electricity and Magnetism)	PHYS 2000 (3)
Physics C (Mechanics)	PHYS 1000 (3)
Physics C (Mechanics/Electricity and Magnetism)	PHYS 1000/2000 (6)
Political Science	POLI 1000 (3)
Psychology	PSYC 1000 (3)
Spanish (Language)	SPAN 1500/2000 (6)
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

IB Course	Min. Grade	UofL Course
Art/Design, Higher Level	5	ART 2032/2xxx (6)
Biology, Higher Level	5	BIOL 1010 (3)
Chemistry, Higher Level	5	CHEM 1000/2000 (6)
Chemistry, Standard Level	7	CHEM 1000 (3)
Computer Science, Higher Level	5	CPSC 1620 (3)
Economics, Higher Level	5	ECON 1010/1012 (6)
Economics, Standard Level	5	ECON 1010 (3)

IB Course	Min. Grade	UofL Course
English A1, Higher Level	5	ENGL 1xxx (3) ¹
French A, Higher Level	5	FREN 2000/2300 (6)
French A, Standard Level	5	FREN 2000/2300 (6)
French B, Higher Level	5	FREN 2000/2300 (6)
French B, Standard Level	5	FREN 1500/2000 (6)
Geography, Higher Level	5	GEOG 1000/1200 (6)
Geography, Standard Level	5	ENVS 2000 (3)
German A, Higher Level	5	GERM 2000/2300 (6)
German A, Standard Level	5	GERM 2000/2300 (6)
German B, Higher Level	5	GERM 2000/2300 (6)
German B, Standard Level	5	GERM 1500/2000 (6)
Greek, Higher Level		Special Assessment
History, Higher Level	5	HIST 1000 (3)
Latin, Higher Level		Special Assessment
Latin, Standard Level		Special Assessment
Mathematics, Higher Level	5	MATH 1560 (3)
Math/Further Maths, Higher Level	5	MATH 1560 (3)
Math/Further Maths, Higher Level	6	MATH 1560/2560 (6)
Music, Higher Level	5	MUSI 2xxx (6) ²
Philosophy, Higher Level		Special Assessment
Physics, Higher Level	5	PHYS 1000 or 1050 (3)
Psychology, Higher or Standard Level	4	PSYC 1000 (3)
Social Anthropology, Higher Level	5	ANTH 1000 (3)
Spanish A, Higher Level	5	SPAN 2000/2300 (6)
Spanish A, Standard Level	5	SPAN 2000/2300 (6)
Spanish B, Higher Level	5	SPAN 2000/2300 (6)
Spanish B, Standard Level	5	SPAN 1500/2000 (6)
Theatre, Higher level	5	DRAM 1xxx (3)
Visual Arts, Higher Level	5	ART 2031/2032 (6)

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

² 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. 26**).
- a. 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. 26**).

- b. 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. 26**).
- c. An applicant who presents both a high school diploma and appropriate, satisfactory standardized test scores, either ACT, or both both SAT Reasoning and SAT Subject scores will be considered for General Admission (see **Section 3.e., p. 35**).

b. Transfer Student Admission Route

I. 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 UofL 4.0 GPA scale, calculated on all transferable courses.

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

eight or more transferable courses

- Admission GPA of at least 2.00 on the UofL 4.0 GPA scale, calculated on all completed, transferable, post-secondary courses.
- High school credentials are not required.

five or more (but fewer than eight) transferable courses

- Basic high school admission average of at least 60%, calculated on five appropriate 30-level high school courses (see **Part I - Admission, Section 3.a.1., p. 26**).
- Admission GPA of at least 2.00 on the UofL 4.0 GPA scale, calculated on all completed, transferable, post-secondary courses.

at least three (but fewer than five) transferable courses

- Basic high school admission average of at least 60%, calculated on five appropriate 30-level high school courses (see **Part I - Admission, Section 3.a.1., p. 26**).
- Admission average is determined using a weighted average of the high school admission average and all completed, transferable, post-secondary courses.

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. 41).

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 (SU140; tel. 403-320-5700).

Time limits and residence requirements apply to transfer students: see table in **Part 4 - Academic Regulations, Section 2.g. (p. 74)**.

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

*For Transfer Applicant Program Availability and Required Qualifications, see **page 36**.*

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 37**.*

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 UofL 4.0 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 limit policies 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 UofL 4.0 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. 74)**, 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. 26**), 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:

- 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,
- 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 resumé, 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 Assistant Registrar (Admissions and Transfer).

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

- I. 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 and Student Services (ROSS) 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 complete SAT Reasoning (Critical Reading, Mathematics, and Writing) and three additional SAT Subject test scores. Applicants who present only SAT Reasoning scores and who present superior high school records (at least five Grade 12-level courses in academic subjects including English, and a 'B+' or higher on these courses), will be considered for admission on an individual basis.

Transfer Applicants - Undergraduate Program Availability and Required Qualifications

See **Part I - Admission - Section 3.b.1. (p. 33)** if presenting fewer than eight transferable courses.

Faculty	Programs Available	Required Admission GPA*
Arts and Science	Four-year degree programs: Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.) and Bachelor of Arts and Science (BASc.).	2.00
	Four-year Bachelor of Science (Environmental Science).	Competitive
	'Pre-programs' to Education (see below).	2.00
	Five-year Combined Degrees programs: B.A./B.Mgt. and B.Sc./B.Mgt. See Part 13 - Combined Degrees, Section 8.a. (p. 271) for additional admission requirements.	Competitive
Education	Direct admission to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. (Art or Dramatic Arts)/B.Ed., B.Mgt./B.Ed., B.Mus./B.Ed., B.Sc./B.Ed. Applicants must have at least 20 courses (60.0 credit hours) completed including Education 2500 or equivalent. See Part 13 - Combined Degrees (p. 237) for additional admission requirements.	2.50 minimum Competitive: higher than 2.50 may be required
	'Pre-programs' to five-year Combined Degrees programs: B.A./B.Ed., B.F.A. (Art or Dramatic Arts)/B.Ed., B.Mgt./B.Ed., B.Mus./B.Ed., B.Sc./B.Ed. Admission to the Combined Degrees programs typically occurs after two or three years of university-level study, and is competitive. 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.	2.00
Fine Arts	Four-year degree programs: Bachelor of Fine Arts (B.F.A. - Art, Dramatic Arts, Multidisciplinary or New Media, and Bachelor of Music (B.Mus.). See Part 9 - Fine Arts, Section 3. Admission (p. 174) for additional admission requirements. See Part 9 - Fine Arts, Section 8.e.3. (p. 191) for Studio Audition procedures for the B.Mus. program.	2.00 Audition/Portfolio/ Questionnaire
	Direct admission to five-year Combined Degrees programs: B.F.A. (Art or Dramatic Arts)/B.Ed., B.Mus./B.Ed. Applicants must have at least 20 courses completed including Education 2500 or equivalent. The Faculty of Fine Arts requires a portfolio for B.F.A. (Art) applicants. See Part 9 - Fine Arts, Section 8.e.3. (p. 191) for Studio Audition procedures for the B.Mus. program. See Part 13 - Combined Degrees (p. 237) for additional admission requirements.	2.50 minimum Competitive: higher than 2.50 may be required Audition/Portfolio
	'Pre-programs' to five-year Combined Degrees programs: B.F.A. (Art or Dramatic Arts)/B.Ed., and B.Mus./B.Ed. Admission to the Combined Degrees programs typically occurs after three years of university-level study, and is competitive. The Faculty of Fine Arts requires a portfolio for B.F.A. (Art) applicants. See Part 9 - Fine Arts, Section 8.e.3. (p. 191) for Studio Audition procedures for the B.Mus. program.	2.00 Audition/Portfolio/ Questionnaire
	Five-year Combined Degrees program: B.F.A. (New Media)/B.Mgt. See Part 13 - Combined Degrees, Section 11 (p. 295) for additional admission requirements.	Competitive Audition/Portfolio
Health Sciences	Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Addictions Counselling major. See Part 10 - Health Sciences, Section 3.c.1 (p. 197) for additional admission requirements.	2.00 Admission Statement
	Four-year degree program: Bachelor of Health Sciences (B.H.Sc.) - Public Health major. See Part 10 - Health Sciences, Section 3.c.2. (p. 198) for additional admission requirements.	2.00
	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. 196) for additional admission requirements.	Competitive
	Five-year Combined Degrees program: B.H.Sc./B.Mgt. See Part 13 - Combined Degrees, Section 12 (p. 298) for additional admission requirements.	Competitive (see Mgt below)
Management	Four-year degree program: Bachelor of Management (B.Mgt.). See Part 11 - Management, Section 4.a. (p. 214) for additional admission requirements.	Competitive
	Five-year Combined Degrees programs: B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. (New Media)/B.Mgt., B.H.Sc./B.Mgt. See Part 13 - Combined Degrees, (p. 237) for additional admission requirements. B.F.A. (New Media) applicants, see Fine Arts above. B.H.Sc. applicants, see Health Sciences above.	Competitive
	Direct admission to five-year Combined Degrees programs: B.Mgt./B.Ed. Admission to the B.Mgt./B.Ed. typically occurs after two years of university-level study and is competitive. See Part 13 - Combined Degrees, (p. 268) for additional admission requirements.	2.50 minimum Competitive: higher than 2.50 may be required
	'Pre-programs' to five-year Combined Degrees programs: B.Mgt./B.Ed. Admission to the B.Mgt./B.Ed. typically occurs after two years of university-level study, and is competitive. See Part 13 - Combined Degrees, (p. 268) for additional admission requirements.	Competitive
	Management Certificate (10-course program) Four admission routes available (see Part 11 - Faculty of Management, Section 4.f., p. 215 for additional admission requirements.)	Competitive
	Professional Diploma in Accounting (PDA) Admission requirements to the PDA consist of an undergraduate university degree. See Part 11 - Management, Section 4.g. (p. 215) for additional admission requirements.	2.00

*Based on all completed transferable courses, including courses completed at the University of Lethbridge as an Open Studies Student. For the Faculty of Education, based on all University of Lethbridge and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours).

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

Faculty	Post-Diploma Programs Available	Required Admission GPA*
Arts and Science	Post-Diploma Bachelor of Arts (B.A. - Agricultural Studies) See Part 7 - Arts and Science, Section 8.a. (p. 147)	2.50, or 2.00-2.49, subject to Dean's permission
	Post-Diploma Bachelor of Science (B.Sc. - Agricultural Studies) See Part 7 - Arts and Science, Section 9.a. (p. 148)	2.50, or 2.00-2.49, subject to Dean's permission
	Post-Diploma Bachelor of Science (B.Sc. - Computer Science) See Part 7 - Arts and Science, Section 10.a. (p. 150)	2.50, or 2.00-2.49, subject to Dean's permission
	Post-Diploma Bachelor of Science (B.Sc. - Environmental Science) See Part 7 - Arts and Science, Section 11.a. (p. 151)	2.75, or 2.00-2.74, subject to Dean's permission and related employment experience
	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. 152)	2.50
Education	See Fine Arts and Management (below)	
Fine Arts	Post-Diploma (after a Two- or Three-Year Diploma) Bachelor of Fine Arts (B.F.A. - Art or Dramatic Arts) and Bachelor of Music (B.Mus.) See Part 9 - Fine Arts, Section 3.f. (p. 177)	2.50 Audition/Portfolio
	Post-Diploma (after a Two- or Three-Year Diploma) Bachelor of Fine Arts (B.F.A. - Multidisciplinary) See Part 9 - Fine Arts, Section 3.g. (p. 177)	2.50
	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. 289)	Competitive, 2.50 minimum Audition/Portfolio
	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. 289)	2.50 Audition/Portfolio
Health Sciences	Post-Diploma Bachelor of Health Sciences - Addictions Counselling major (B.H.Sc.) See Part 10 - Health Sciences, Section 4.d. (p. 199)	3.00
Management	Post-Diploma Bachelor of Management (B.Mgt.) (20 and 25 course) See Part 11 - Management, Section 4.b. (p. 215) and Section 4.c. (p. 215)	Competitive
	Qualifying program for Post-Diploma B.Mgt. (four courses) See Part 11 - Management, Section 4.b. (p. 215) <ul style="list-style-type: none"> • Applicants holding approved college diplomas which are not eligible as a basis for direct admission (based on program content) to the Post-Diploma Bachelor of Management will be eligible to enter that degree program by successfully completing the Qualifying program. • An applicant will gain admission to the Qualifying program by completing an approved diploma with a cumulative grade point average (GPA) at or above the current admission cut-off and not less than 2.0. 	Competitive
	Post-Diploma B.Mgt./B.Ed. See Part 13 - Combined Degrees, Section 10.a. (p. 293)	Competitive
	Pre-Post-Diploma B.Mgt./B.Ed. See Part 13 - Combined Degrees, Section 10.a. (p. 293)	Competitive

*Based on cumulative Grade Point Average, on a 4.0 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. 26**).

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. 33**).

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. 33** 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 Regulations, Section 2.e.1, p. 73**)

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. 216)**.

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. 33**).

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. 216)**.

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 UofL 4.0 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. 46), Part 7 - Arts and Science (p. 103), Part 8 - Education (p. 164), Part 9 - Fine Arts (p. 178), Part 10 - Health Sciences (p. 203), and Part 11 - Management (p. 217)**. In particular, *Tabula Rasa* is available only in the Faculty of Arts and Science (see **Section 3.e., p. 103**), Faculty of Fine Arts (see **Section 4.e.2, p. 178**), and the Faculty of Health Sciences (see **Section 6.c, p. 203**).

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. 38) and Section 8.b. Procedures for Readmission (p. 46)**.

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 and Student Services (ROSS).

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 42**.

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. 40)**.

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. 40**).

Note: *One way to satisfy the University's English Language Proficiency (ELP) requirement is successful completion of the University's English for Academic Purposes (EAP) program. Conditional English Proficiency Admission offers an opportunity to accomplish this and at the same time obtain admission to an academic program.*

An applicant who accepts an offer of Conditional English Proficiency Admission is admitted to an academic program, of which the first component is successful completion of the University's English for Academic Purposes (EAP) program. Students admitted via the Conditional English Proficiency Admission route 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.

Students admitted via the Conditional English Proficiency Admission route are considered to be full-time students while continuously enrolled in EAP classes.

Students admitted under the Conditional English Proficiency provision must:

- Successfully complete each level of EAP in no more than two attempts, 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 withdraw from 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 Liaison Officer in the International Centre for Students, in close consultation with appropriate academic advisors.

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 (see **Part 10, Section 4.a.6., p. 197**) and Bachelor of Health Sciences (Public Health) (see **Part 10, Section 4.e.6., p. 199**) programs.
- **Writing Proficiency Requirement (WPR)** - admission requirement for all applicants to programs in the Faculty of Education (see **Part 8 - Education, p. 160**).

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 Nursing (see p. 197) and Public Health (see p. 199) must also meet a Spoken English Proficiency requirement.*

- Proof of English Language Proficiency must be provided prior to admission. Acceptable evidence of ELP may be any one of:
 - 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. 98**).
 - Most recent official TOEFL (Test of English as a Foreign Language) score (UofL 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

- 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

- Most recent official Academic PTE (Pearson Test of English) score, taken within the last two years, with an overall score of at least 54.
- 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 with a score of at least 60 on the Writing band.

Website: www.cael.ca

- Most recent CAE (Certificate in Advanced English) score of at least 'C'.

Website: www.cambridgeesol.org/exams/general-english/cae.html

- Most recent CPE (Certificate of Proficiency in English) score of at least 'C'.

Website: www.cambridgeesol.org/exams/general-english/cpe.html

- 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.lsa.umich.edu/eli/testing/melab

- A grade of 75 percent or higher in the Alberta English Language Arts 30-I diploma examination.
- A final grade of 80 percent or higher in English Language Arts 30-I or its equivalent from any province in Canada.
- 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.
- A passing grade in an EAP program approved by the Assistant Registrar (Admissions and Transfer).

- 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-I, 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	Jamaica
Antigua	Kenya
Australia	Lesotho
Bahamas	Malta
Barbados	Mauritius
Belize	Montserrat
Bermuda	New Zealand
British Virgin Islands	Singapore
Cayman Islands	St. Kitts and Nevis
Dominica	St. Lucia
Falkland Islands	St. Vincent and the Grenadines
Fiji	Trinidad and Tobago
Ghana	Turks and Caicos Islands
Gibraltar	Uganda
Grenada	United Kingdom
Guam	United States of America
Guyana	Zambia
Ireland	Zimbabwe

Applicants educated in the following countries are required to supply documentation indicating that the language of instruction was English:

Bangladesh	Nigeria
Barbuda	Papua New Guinea
Botswana	Samoa
Gambia	Sierra Leone
India	St. Helena
Liberia	South Africa
Namibia	Tanzania

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 Assistant Registrar (Admissions and Transfer) 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 and Student Services (ROSS) 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 towards a degree or diploma at another institution.

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. Upon application by a student for transfer credit, Admissions shall consult as necessary with the appropriate Faculty. Admissions approval is required for any recommendations to award transfer credit.

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

- 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.

- 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:

- 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
- 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.

- Transfer credit will be awarded only for studies transferring to University of Lethbridge courses numbered 1000 or higher.
- Admissions shall develop and apply grade conversion standards, under the authority of the Admission Standards Committee.

International Secondary/High School Admission Requirements for the University of Lethbridge		
Country	Secondary/High School Requirements	Comments
(Contact Admissions for requirements for countries not shown below)		
Argentina	Bachiller/Bachillerato (de Nivel Medio o Secundario o Especializado) including English subject, with a minimum score of 7/10 (good) to 8/10 (superior)	
Australia	Secondary school leaving certificate, appropriate to Territory	
Austria	Secondary school leaving certificate (Reifezeugnis or Reifeprüfungszeugnis)	
Bangladesh	Higher Secondary Certificate (First division)	
Barbados	Caribbean Examination Council Secondary Education Certificate, plus Advanced level studie	British model (see below)
Bolivia	Bachillerato	
Brazil	One of: <ul style="list-style-type: none"> • Certificado de Conclusao de 2 Grau (Certificate of Completion of Degree2) or • Certificado de Conclusao de Ensino Medio (Certificate of Completion of Secondary Education) Plus one of: <ul style="list-style-type: none"> • Concurso Vestibular (college entrance exam) or • ENEM (middle education national exam) • First year standing at a recognized university. 	
Caribbean	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.	British model
Columbia	Bachillerato with a minimum score of 7/10 (acceptable) to 8/10 (outstanding)	
PR. of China	Senior Middle School Diploma and National College Entrance Examination, or equivalent; or, Senior Middle School Diploma and an average grade of 75% or higher (where 50% is the passing grade) on 12th Grade (Year Three of Senior Middle School) English and four of Chinese, Biology, Chemistry, another language, Geography, Mathematics, or Physics, with no single grade less than 50%	
Chile	Licencia de Educación 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	
Costa Rica	Bachillerato with a minimum score of 7/10 (acceptable) to 8/10 (outstanding)	
Cyprus	Apolytirio Eniaiou of Lykeiou / Devlet Lise Diploma / Lise Bitirme Diploması, with a minimum score of 14 out of 20	
Ecuador	Bachillerato, with a minimum score of 7/10 to 8/10	
Ethiopia	Ethiopian School Leaving Certificate	
France	Secondary Education Baccalaureate	
Ghana	Senior Secondary School Certificate Examination or West African Senior School Certificate Examination	
Germany	School leaving certificate (Zeugnis der Allgemeinen Hs.)	

International Secondary/High School Admission Requirements for the University of Lethbridge		
Country	Secondary/High School Requirements	Comments
(Contact Admissions for requirements for countries not shown below)		
Hong Kong	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)	British model
India	Higher Secondary School Certificate or equivalent (First division). <i>Considered equivalent:</i> 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.	
Iran	Diploma-Metevaseeth, and June Written Examinations	
Israel	Matriculation Certificate (Bagrut)	
Italy	Maturita diploma (Diploma Di Esame Di Stato Conclusivo Dei Corsi Di Istruzione Secondaria Superiore)	
Jamaica	See Barbados	British model
Japan	Upper Secondary school leaving certificate (Kotogakko Sotsugyo Shomeisho)	
Kenya	Kenyan Certificate of Secondary Education	British model
D.P.R. of Korea	Secondary school leaving certificate	
Republic of Korea	Graduation certificate from academic high school	
Malaysia	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	British model
Mexico	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	
Mongolia	School leaving certificate (Gerchilgee)	
Nepal	Proficiency Certificate or Higher Secondary Certificate, with a minimum average of 65%	
Netherlands	Voorber.wetensh.onderwijs (VWO)	
Nigeria	Senior Secondary School Certificate (SSSC) or West African School Certificate (WAEC), and Higher School Certificate or GCE - Advanced level studies	British model
Pakistan	Intermediate or Higher Secondary Certificate (First division required for either)	
Peru	Certificado de Educacion Secundaria Comun Completa (Certificate of Completed General Secondary Education) plus first year standing at a recognized university.	
Russian Federation	Svidetel'stvo/o Srednem Obrazovanii (Certificate of Secondary Education) or Attestat O Polnom Srednem Obrosovanii (Upper Secondary Education) including English subject, with a minimum score of 3.5/5	
Saudi Arabia	General Secondary Education Certificate (Tawjihiya)	
Singapore	Singapore-Cambridge GCE, Ordinary level plus Advanced level courses	British model
South Africa	Matriculation Certificate of the Joint Matriculation Board or Senior (Standard 10) Certificate Examinations which grant exemption from Matriculation Certificate Examinations	
Sri Lanka	Sri Lanka General Certificate of Education ordinary and advanced levels	British model
Spain	Curso de Orientación Universitario (COU)	
Taiwan	Senior High School Leaving Certificate	
Thailand	Higher Secondary School Certificate (Mattayom Suksa 6)	
Trinidad and Tobago	See Barbados	British model
Turkey	Devlet Lise Diploması/Lise Bitirme Diploması State or Private Secondary School Diploma including English subject, with superior grades	
Uganda	Cambridge GCE or East African Certificate of Education, Ordinary, plus Advanced studies (Uganda Advanced Certificate of Education)	British model
Ukraine	Atestat pro Povnu Zagal'nu Sersdniu Osvitu (Certificate of Complete Secondary Education), with a minimum average of 4/5	
United Arab Emirates	Secondary school leaving certificate (Shahadat Al-Thanawiya Al-Amma)	
United Kingdom	GCE, Ordinary level or equivalent, plus courses at the Advanced level	British model
United States	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. 35) . Admission average based on SAT or ACT results.	Admission average based on SAT or ACT results
Venezuela	Bachillerato and first year standing at a recognized university	
Vietnam	Baccalauréat II (Tu-Tai Hai), or Baccalauréat I and Advanced Certificate, or Tot Nghiep Pho Thong	
Zimbabwe	Advanced and Ordinary level General Certificate of Education Examining Board Certificates	British model
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. Courses taken at post-secondary institutions in Alberta, if acceptable for credit at either the University of Alberta or the University of Calgary, are normally eligible for transfer credit at the University of Lethbridge. The **Alberta Transfer Guide** shall be the primary authority for such courses.
- In general, courses taken at post-secondary institutions in Canada, if acceptable for credit at one or more of the major residential universities for the appropriate province, shall normally be transferred for credit at the University of Lethbridge. The **provincial transfer guide** for the province in question shall be the primary authority for such courses.
- Specified courses taken at post-secondary institutions with which the University maintains formal course transfer arrangements are normally accepted for credit. For example, the University has course agreements with the College of the Rockies and Selkirk College.
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 agreement. 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.f., p. 47** 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. 39)**.
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. 73**, 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:
- The institution is recognized or accredited. If not recognized or accredited, the institution maintains academic standards equivalent to those maintained by accredited institutions.
 - 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.
 - The transfer credit to be awarded is appropriate to the student's program at the University of Lethbridge.
 - Instructor qualifications are appropriate to the material and the content of the course. Generally, Masters 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. 74**).
- 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. 35**).
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. 34**).

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 Assistant Registrar (Admissions and Transfer) and shall set out the student's rationale for appealing the Admissions decision.

The Assistant Registrar (Admissions and Transfer) 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 Assistant Registrar (Admissions and Transfer), and the determination of the student to pursue the appeal, the student shall have **14 days** from the mailing of the Assistant Registrar's 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 Assistant Registrar (Admissions and Transfer); 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 **7 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 UofL (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 UofL 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. 28**, 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. 34**).

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 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. 35)** 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. 47**).

d. Undergraduate Program Application and Document Deadlines, see page 25.

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.j, Misrepresentation/Falsified Admission Documents, p. 47**).
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. 47**).

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 UofL 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 2013/2014. For New Transfer applicants, the basic requirement for General Admission is a GPA of 2.00 on the UofL 4.0 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. 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 and Student Services (ROSS).

Students continuously registered in a formally-approved transfer program or in transferable courses at a post-secondary institution in the Alberta Council of Admission 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 Alberta college system 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.

g. 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.

h. Academic Probation

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

i. 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 UofL 4.0 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. 46), Part 7 - Arts and Science (p. 103), Part 8 - Education (p. 164), Part 9 - Fine Arts (p. 178), Part 10 - Health Sciences (p. 203), and Part 11 - Management (p. 217)**. In particular, *Tabula Rasa* is available only in the Faculty of Arts and Science (see **Section 3.e., p. 103**), Faculty of Fine Arts (see **Section 4.e.2, p. 178**), and the Faculty of Health Sciences (see **Section 6.c, p. 203**).

j. 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 Assistant Registrar (Admissions and Transfer) 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 Assistant Registrar (Admissions and Transfer) will provide the applicant or student with a letter regarding the alleged offence(s) under this section.
 - b. Should the Assistant Registrar (Admissions and Transfer) 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."
 3. The Assistant Registrar (Admissions and Transfer) 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 Assistant Registrar (Admissions and Transfer) 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 Assistant Registrar's 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 Assistant Registrar (Admissions and Transfer) may levy any or all of the penalties under **Section 9.j.2.b.** above.

10. CAVEAT - AUTHORITY TO RESCIND ADMISSION/REGISTRATION PRIVILEGES

- a. A person who has applied for admission to a program of studies in an undergraduate or graduate program at the University of Lethbridge, either in a full-time, part-time, Visiting, or any other category of admission, shall not be considered a 'student' for the purposes of the rights and privileges accorded to a student of the University of Lethbridge, until the date that the person commences academic studies at the institution or the first day of the academic semester/session for which the application applies, whichever shall last occur, and notwithstanding any act or notice of acceptance or admission may have been communicated to the applicant.
This same restriction in its entirety applies to Open Studies Students and authorization to register.
- b. 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 application for admission to an Undergraduate Studies program or Graduate Studies program at the University of Lethbridge, either in a full-time, part-time, Visiting, or any other category of admission, 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.
- c. 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.
- d. The foregoing powers of the President may be exercised, notwithstanding that an applicant may have been provided a notification of acceptance into a program or course of study at the University of Lethbridge, and any such decision 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 admission/registration privileges have been addressed.

II. 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.

Part 2

REGISTRATION

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1. STUDENT RECORDS RETENTION POLICY

The permanent official folder for each student is maintained by the Registrar's Office and Student Services (ROSS). The contents of this folder shall be destroyed according to the following schedule:

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.
- 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 and Student Services (ROSS) 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. 86**).

2. ADVICE AND INFORMATION

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

Students who require other kinds of information and advice about registration, such as deadlines and procedures, should consult the ROSS 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.

Students who decide not to attend the University must cancel their registration prior to the Add/Drop deadline (see **Section 8. Cancellation and Withdrawal, p. 55**).

3. TERMS USED DURING REGISTRATION

a. Enrolment and Registration

For purposes of the University of Lethbridge Graduate Studies Calendar, these terms are used interchangeably.

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).

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

c. 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.

2. Full-Time by Definition

Students registered in Co-operative Education Work Experience courses are considered to be full-time.

3. Summer Session - Maximum Load

Each Faculty and School has legislated maximum enrolments per session for continuing students. See **Section 6.b. (p. 54)** for maximum loads for each Faculty/School.

4. Summer Session - Financial Support

Undergraduate students receiving government student loans for full-time studies during Summer (May - August) must be registered in a minimum of 9 credits and enrolled in Summer Session I and II/III or Summer Session I, II and III. It may be possible for Alberta residents to receive Alberta Student Loans for one Summer Session course, but all other borrowers should check with Scholarships and Student Finance staff about other provincial/territorial eligibility.

d. Visiting and Exchange Students

1. University of Lethbridge Students Studying Elsewhere

Within the residence requirement of the Faculty/School 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:

- Students must apply using an *Application for Visiting Student Authorization* or an *Application for Exchange Student Authorization*. Approval in writing **must** be obtained from the appropriate Faculty/School prior to commencement of studies elsewhere.
- 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.
- The student will register along with other Continuing Students for the semester following the approved absence, according to the registration instructions for Continuing Students.
- If the student wishes to extend the approved absence, prior approval must be obtained from the appropriate Faculty/School. 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 **Timetable and Registration Guide**.

e. Audit Student

An Audit Student has been 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 and Student Services (ROSS) by the indicated deadline.

Audit Students are not required to meet the University's English Language Proficiency (ELP) Requirement.

An Audit Student, who is not also a continuing, newly admitted, or Open Studies Student, 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. 17)** 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:

- Open Studies Student enrolment does not constitute formal admission to the University.
- Open Studies Students must present the required Open Studies documents at each registration. Students must complete the *Open Studies Registration Form* and submit it, along with the registration fee and deposit, to the Registrar's Office and Student Services (ROSS).
- 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 I - Admission, Section 9.i., p. 47**. Courses taken as an Open Studies Student after Required Withdrawal may not be used for credit toward programs to which a student may ultimately be admitted without the express permission of the Faculties offering that program.
- Open Studies Students must meet the University's English Language Proficiency (ELP) Requirement (see **Part I - Admission, Section 6.a., p. 40**). 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 graduate-level courses should consult the . Students taking undergraduate courses should consult the

5. Course prerequisites must be met where applicable and Faculties are responsible for enforcing prerequisites. Enrolment in some courses may require permission from the relevant Faculty/School. 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. See **Section 4.d. Waiver of Prerequisite/ Corequisite in Academic Regulations (p.73)**.
 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. 17)**.
 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. Such a suspension of privileges is recorded on the student's transcript. At the outset of each term, the Registrar will determine registration eligibility for Open Studies Students. For these purposes, each of the Fall Semester, Spring Semester, and the aggregate of all Summer Sessions is considered to be one term.
 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 (see .
 11. Open Studies Students whose 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 your record prior to the point of Required Withdrawal (see **Part 7 - Arts and Science, Section 4.e., p. 103, Part 9 - Fine Arts, Section 4.e.2, p. 178, or Part 10 - Health Sciences, Section 6.c., p. 203**).
 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/School 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 admission and graduation requirements of that program.
Students who have been Required to Withdraw must be readmitted to the University and to the program of studies before they will be permitted to graduate. Such students must apply for admission according to regular application procedures and deadlines.
 15. Official transcripts are issued for Open Studies Students.
 16. 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.
 17. Students denied registration privileges may appeal in writing to the Associate Registrar. Such appeals will be dealt with by the Associate Registrar and Registrar.
- 4. WHEN TO REGISTER**
- See the **Academic Schedule (p. 17)** 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. 17)**.
 - 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 Registration Guide. Application packages may be obtained from the Office of Applied Studies (AH154; 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 12. Disabilities, p. 554.**
- With the first group of students in their priority group, students who hold a Canada Scholarship. For verification, see the Registrar.

c. After Continuing Student Registration

Newly admitted students will be permitted to register, upon accepting the Offer of Admission by paying the Confirmation of Admission Deposit.

Continuing students who did not register during Early Registration will be permitted to register on a first-come, first-served basis.

d. Other

Registration for off-campus courses organized by organizations affiliated with the University may occur outside of the legislated Order of Registration.

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/School. 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/School 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 (4 courses)

In Good Standing

Normal 15.0 credit hours (5 courses)

Maximum 18.0 credit hours (6 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 is 15.0 credit hours (5 courses) per semester.
- In all other Faculties/Schools, students must obtain permission if they wish to exceed 15.0 credit hours (5 courses).
- Summer Session (semester course equivalents):

Session	I	II	III
Arts and Science	2	2	2
Education	3	2	1
Fine Arts	3	2	2
Health Sciences	3	2	1
Management	2	1*	1*

*The maximum number of courses Management students may take over Summer Sessions II, III, and III/III is two.

Note: In the event of a difference between the maximum credit hour limits set by the Faculties/Schools, 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/School may place specific registration requirements upon a student. In such cases, at the request of the respective Dean or designate, the Registrar's Office and Student Services (ROSS) 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 and Student Services (ROSS) by submitting a *Complete Withdrawal Form* which can be obtained from the Registrar's Office and Student Services (ROSS). 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 8.c., (p. 60)**. Grades are not assigned when a student withdraws.

Students are responsible for ensuring that the Registrar's Office and Student Services (ROSS) 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 and Student Services (ROSS) 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. 17)** 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, 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. 17)**. 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/School 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 and Student Services (ROSS).

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.

Part 3

FEES

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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 32. Student Finance - Government Student Loans and Grants (p. 562).**

Student Awards - Scholarships and Bursaries

See **Part 16 - General Services, Section 31. Student Awards - Scholarships and Bursaries (p. 561).**

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 UofL 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 UofL 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. All newly admitted and readmitted graduate and post-graduate students are required to pay a **non-refundable** deposit of \$100. 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. 57)** for more information. After deposits have been paid, registration privileges will ensue.

b. Registration Fees

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). If an Open Studies Student registers in both an undergraduate and graduate course, the higher deposit amount will be charged.

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 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/fsr/cash

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

Payments can be made by cheque, 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 and February 1 for the Spring semester. Summer Session fees are due by the end of the first day following the Add/Drop period. When a deadline occurs on a weekend or statutory holiday, the deadline will be the next working day.

Student bills are sent to the student's University of Lethbridge email account—they are **not** sent via Canada Post. Students may view their account summary by logging on to the Bridge:

www.uleth.ca/bridge

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 for the applicable semester 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 \$0.00 tuition and 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.

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.

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 preparation 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 the University of Lethbridge campus.

Off-Campus - any student who is registered only in courses held off the University campus.

International Student - any student whose nation of citizenship is not Canada. Classification as an International Student affects fee assessment only.

Senior Citizen - any student 65 years of age or over.

b. Mandatory Fees

Tuition Fee - price or payment of instruction.

Sport and Recreation Services 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.
- *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 (SU180; 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.

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 student enrolled Nursing program.

d. Mandatory Processing Fees

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

Application for Admission Fee

All applicants to the UoFL 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 UoFL 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 \$25 non-refundable graduation fee.

Late Fee - fees charged when deadlines are not met, usually \$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. 194)**.

- Music Ensemble Activity Fee - See **Part 9 - Faculty of Fine Arts, Section 10.c. Music Ensemble Activity Fees (p. 194)**.
- Writing for University Course (WFU) - \$338.10
- International Exchange Fee - \$140.00 per exchange.

Service/Product Fees:

- 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 29. Security and Parking (Including Lost and Found) (p. 560)**.
- Residence Fee - See **Part 16 - General Services, Section 15. Housing Services (p. 555)**.
- Dining Plan Fee - See **Part 16 - General Services, Section 15. Housing Services (p. 555)**.
- Health Centre Health Insurance fee - \$36.75.

f. How Fees Are Assessed

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. The deadline for Summer Session to be eligible is the last day of classes in the Summer Session.

See table on **page 61**.

g. Schedules

Please refer to **page 63** for the 2013/2014 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 2014/2015 (**p. 64**) and 2015/2016 (**p. 65**) Academic Years. See the University of Lethbridge 2013/2014 Graduate Studies Calendar for fees schedules associated with graduate programs.

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 and Student Services (ROSS).

Complete Withdrawal

A student wishing to withdraw from the semester must notify the Registrar's Office and Student Services (ROSS) by submitting a Complete Withdrawal Form which can be obtained from the Registrar's Office and Student Services (ROSS). 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 Withdrawal Form are encouraged to use Registered Mail.

Percentage Assessed

The fee assessment schedule for admitted students is as follows:

	University of Lethbridge		Students' Union/Graduate Students' Association			
	Tuition	Student Administrative Fee/ Materials/ Services	SRS	All Fees	Health/ Dental Plan	Meliorist
Fall Semester						
Cancellation up to the last day of Add/Drop:						
	0%	0%	0%	0%	0%	0%
	\$80 (\$100 for graduate students) 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%
Spring Semester						
Cancellation up to the last day of Add/Drop:						
	0%	0%	0%	0%	0%	0%
	\$80 (\$100 for graduate students) 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%
* Summer Session						
Cancellation up to the last day of Add/Drop:						
	0%	0%	N/A	0%	N/A	N/A
After Add/Drop up to and including the fifth working day of the Session:						
	50%	100%	N/A	100%	N/A	N/A
After the fifth day of the Session:						
	100%	100%	N/A	100%	N/A	N/A

* Full-term Summer Session courses are assessed fees on the same deadlines as Summer Session I courses.

Note: Open Studies students should refer to the fee assessment schedule on the back of the Open Studies Registration form.

c. Refunds

Students are entitled to a refund of any payments in excess of their current assessment. Students wanting a refund of excess payments must contact the Cash Office

to initiate the refund process. Students should allow up to two weeks for their refund to be processed if requesting their refund in the form of a cheque. Interac Direct payment refunds are available to students on campus or those individuals who do not want to wait for a cheque to be processed. Students must provide valid picture identification in order to obtain Interac Direct payment refunds. Refunds for a course drop or complete withdrawal cannot be processed until after the drop or withdrawal has been processed by the Registrar's Office and Student Services (ROSS). Any refunds to international addresses will be processed by bank wire.

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).

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**.

How Fees Are Assessed

On or Off Campus	University of Lethbridge			Students' Union				Other		
	Tuition	Student Administrative Fee	SRS	CRF, Building and Operations	Health/Dental Plan	CKXU	LPIRG	Campus Women's Centre	Centre for Sport and Wellness Contribution	Meliorist
Full-Time On	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full-Time Off	Yes	Yes	No	Yes	Yes	No	No	Yes	No	Yes
Part-Time On	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Part-Time Off	Yes	Yes	No	Yes	No	No	No	Yes	No	Yes
Exchange Away	Yes	Yes	No	Yes	No	No	No	No	No	No
Exchange Here On	No	No	Yes	No	No	No	No	No	No	No
PS III Off/Health Sciences 4050	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes
Co-op Off (see 1 below)	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes
Students aged 65 and over (see 2 below)	No	No	No	No	No	No	No	No	No	No

¹ See Fee Schedule (p. 63) for Co-op fees.

² 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 do not pay fees at the undergraduate or graduate levels. Students aged 65 and over should contact the Registrar's Office and Student Services (ROSS).

UNIVERSITY OF LETHBRIDGE FEE SCHEDULE

SUMMER SESSION 2013

EFFECTIVE APRIL 1, 2013

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

	Tuition	Practicum Travel Fee	Student Administrative Fees		Total ¹	Total ¹	Total ¹
			Student Services Fee	Student Copyright Access Fee	Enrolled in 1 Session	Enrolled in 2 Sessions	Enrolled in 3 Sessions
UNDERGRADUATE (Canadian Students)							
One-Half Course (1.5 Cr. Hrs.)	246.25	N/A	6.25	1.25	265.32	N/A	N/A
One Course (3.0 Credit Hrs.)	492.50	N/A	12.50	2.50	519.07	N/A	N/A
Two Courses (6.0 Credit Hrs.)	985.00	N/A	25.00	5.00	1,026.57	1,038.14	N/A
Three Courses (9.0 Credit Hrs.)	1,477.50	N/A	37.50	7.50	1,534.07	1,545.64	1,557.20
Four Courses (12.0 Credit Hrs.)	1,970.00	N/A	50.00	10.00	2,041.57	2,053.14	2,064.70
Five Courses (15.0 Credit Hrs.)	2,462.50	N/A	62.50	12.50	2,549.07	2,560.64	2,572.20
Six Courses (18.0 Credit Hrs.)	2,955.00	N/A	75.00	15.00	3,056.57	3,068.14	3,079.70
UNDERGRADUATE (International Students)							
One-Half Course (1.5 Cr. Hrs.)	557.50	N/A	6.25	1.25	613.32	N/A	N/A
One Course (3.0 Credit Hrs.)	1,115.00	N/A	12.50	2.50	1,178.32	N/A	N/A
Two Courses (6.0 Credit Hrs.)	2,230.00	N/A	25.00	5.00	2,308.32	2,319.89	N/A
Three Courses (9.0 Credit Hrs.)	3,345.00	N/A	37.50	7.50	3,438.32	3,449.89	3,461.45
Four Courses (12.0 Credit Hrs.)	4,460.00	N/A	50.00	10.00	4,568.32	4,579.89	4,591.45
Five Courses (15.0 Credit Hrs.)	5,575.00	N/A	62.50	12.50	5,698.32	5,709.89	5,721.45
Six Courses (18.0 Credit Hrs.)	6,690.00	N/A	75.00	15.00	6,828.32	6,839.89	6,851.45
CO-OP PROGRAM (Faculties of Arts and Science and Management)							
Canadian Students	615.95	N/A	25.00	5.00	655.85	N/A	N/A
International Students	615.95	N/A	25.00	5.00	692.60	N/A	N/A
PRACTICUM I (Education 2500)							
Canadian Students	492.50	100.00	12.50	2.50	619.07	N/A	N/A
International Students	1,115.00	100.00	12.50	2.50	1,278.32	N/A	N/A
AUDIT FEES PER COURSE							
Canadian Students	246.25						246.25
International Students	557.50						557.50

Notes:

¹ Undergraduate totals include Students' Union fees of \$4.90 per session, 1st Savings Center Contribution \$5.00 per session and CKXU fee of \$1.67 per session to a maximum of \$5.00.

Student Administrative Fees include Student Services fee of \$12.50 per course, and Student Copyright Access Fee of \$2.50 per course .
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

Students aged 65 and over (Senior Citizens) do not pay fees.

Students aged 65 and over should contact the Registrar's Office and Student Services (ROSS).

Source: Financial Services, April 2013. This schedule is in effect for Summer 2013 only.

UNIVERSITY OF LETHBRIDGE 2013/2014 ACADEMIC YEAR FEE SCHEDULE

UNDERGRADUATE PROGRAMS

EFFECTIVE APRIL 1, 2013

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

Tuition ¹	U of L Fees				Students' Union Fees ³	1st Choice Savings Centre Contribution	Meliorist	Total
	Practicum Travel Fee	Student Administrative Fees ²	Sport and Recreation Services Fee	Health Centre Insurance Fee				

UNDERGRADUATE (Canadian Students)

One-Half Course (1.5 Credit Hours)	246.25	N/A	20.00	\$65.20	N/A	\$33.82	\$7.50	\$2.50	\$375.27
One Course (3.0 Credit Hours)	492.50	N/A	40.00	65.20	N/A	33.82	7.50	2.50	\$641.52
Two Courses (6.0 Credit Hours)	985.00	N/A	80.00	65.20	N/A	33.82	7.50	2.50	\$1,174.02
Three Courses (9.0 Credit Hours)	1,477.50	N/A	120.00	86.95	N/A	304.45	15.00	5.00	\$2,008.90
Four Courses (12.0 Credit Hours)	1,970.00	N/A	160.00	86.95	N/A	304.45	15.00	5.00	\$2,541.40
Five Courses (15.0 Credit Hours)	2,462.50	N/A	200.00	86.95	N/A	304.45	15.00	5.00	\$3,073.90

UNDERGRADUATE (International Students)

One-Half Course (1.5 Credit Hours)	557.50	N/A	20.00	65.20	36.75	33.82	7.50	2.50	\$723.27
One Course (3.0 Credit Hours)	1,115.00	N/A	40.00	65.20	36.75	33.82	7.50	2.50	\$1,300.77
Two Courses (6.0 Credit Hours)	2,230.00	N/A	80.00	65.20	36.75	33.82	7.50	2.50	\$2,455.77
Three Courses (9.0 Credit Hours)	3,345.00	N/A	120.00	86.95	36.75	304.45	15.00	5.00	\$3,913.15
Four Courses (12.0 Credit Hours)	4,460.00	N/A	160.00	86.95	36.75	304.45	15.00	5.00	\$5,068.15
Five Courses (15.0 Credit Hours)	5,575.00	N/A	200.00	86.95	36.75	304.45	15.00	5.00	\$6,223.15

UNDERGRADUATE (International Students admitted and beginning program September 2013)

One-Half Course (1.5 Credit Hours)	738.75	N/A	20.00	65.20	36.75	33.82	7.50	2.50	\$904.52
One Course (3.0 Credit Hours)	1,477.50	N/A	40.00	65.20	36.75	33.82	7.50	2.50	\$1,663.27
Two Courses (6.0 Credit Hours)	2,955.00	N/A	80.00	65.20	36.75	33.82	7.50	2.50	\$3,180.77
Three Courses (9.0 Credit Hours)	4,432.50	N/A	120.00	86.95	36.75	304.45	15.00	5.00	\$5,000.65
Four Courses (12.0 Credit Hours)	5,910.00	N/A	160.00	86.95	36.75	304.45	15.00	5.00	\$6,518.15
Five Courses (15.0 Credit Hours)	7,387.50	N/A	200.00	86.95	36.75	304.45	15.00	5.00	\$8,035.65

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (Canadian Students)

Semester PS I	2,462.50	440.00	200.00	86.95	N/A	304.45	15.00	5.00	\$3,513.90
PS II	2,462.50	440.00	200.00	86.95	N/A	304.45	15.00	5.00	\$3,513.90
PS III	2,462.50	N/A	200.00	N/A	N/A	299.45	15.00	5.00	\$2,981.95

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students)

Semester PS I	5,575.00	440.00	200.00	86.95	36.75	304.45	15.00	5.00	\$6,663.15
PS II	5,575.00	440.00	200.00	86.95	36.75	304.45	15.00	5.00	\$6,663.15
PS III	5,575.00	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$6,131.20

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students admitted and beginning program September 2013)

Semester PS I	7,387.50	440.00	200.00	86.95	36.75	304.45	15.00	5.00	\$8,475.65
PS II	7,387.50	440.00	200.00	86.95	36.75	304.45	15.00	5.00	\$8,475.65
PS III	7,387.50	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$7,943.70

PROGRAMS/COURSES NOT COVERED BY THE ABOVE SCHEDULE

CO-OP PROGRAM (Faculties of Arts and Science and Management)

Canadian Students	615.95	80.00				299.45	15.00	5.00	\$1,015.40
International Students	615.95	80.00		36.75		299.45	15.00	5.00	\$1,052.15

MUSIC STUDIO COURSES (Music 2148, 2248, 3348, 3448, 3548, 3648, 4748, 4848)

Canadian Students	994.05	40.00							\$1,034.05
International Students	1,616.55	40.00							\$1,656.55
International Students (Sept 2013)	1,979.05	40.00							\$2,019.05

PRACTICUM I (Education 2500)

Canadian Students	492.50	100.00	40.00						\$632.50
International Students	1,115.00	100.00	40.00						\$1,255.00
International Students (Sept 2013)	1,477.50	100.00	40.00						\$1,617.50

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 \$37.50 per course, and Student Copyright Access Fee of \$2.50 per course.

³ Students' Union Fee components are:

	Full time rates	Part time rates
Building Fund	13.65	5.34
Operations	29.35	14.74
Capital Replacement Fund	5.45	2.74
CKXU Radio	5.00	5.00
Leth. Public Interest Research Group	5.00	5.00
Campus Women's Centre	1.00	1.00
Health Plan - 12 months coverage	135.00	0.00
Dental Plan - 12 months coverage	110.00	0.00
	<u>\$304.45</u>	<u>\$33.82</u>

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 and Dental Plan cost is \$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 \$80.00 (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.

Past due accounts are charged simple interest set 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.

International students who are admitted and begin their program September 2013 will be assessed tuition at three times the Canadian tuition rate, plus applicable fees.

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.

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. Students aged 65 and over should contact the Registrar's Office and Student Services (ROSS).

Source: Financial Services, May 2013

UNIVERSITY OF LETHBRIDGE 2014/2015 ACADEMIC YEAR FEE SCHEDULE

UNDERGRADUATE PROGRAMS

EFFECTIVE APRIL 1, 2013

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

	Tuition ¹	Practicum Travel Fee	U of L Fees			Students' Union Fees ³	1st Choice Savings Centre Contribution	Meliorist	Total
			Student Administrative Fees ²	Sport and Recreation Services Fee	Health Centre Insurance Fee				

UNDERGRADUATE (Canadian Students)

One-Half Course (1.5 Credit Hours)	251.55	N/A	20.00	\$67.80	N/A	\$33.82	\$7.50	\$2.50	\$383.17
One Course (3.0 Credit Hours)	503.10	N/A	40.00	67.80	N/A	33.82	7.50	2.50	\$654.72
Two Courses (6.0 Credit Hours)	1,006.20	N/A	80.00	67.80	N/A	33.82	7.50	2.50	\$1,197.82
Three Courses (9.0 Credit Hours)	1,509.30	N/A	120.00	90.45	N/A	304.45	15.00	5.00	\$2,044.20
Four Courses (12.0 Credit Hours)	2,012.40	N/A	160.00	90.45	N/A	304.45	15.00	5.00	\$2,587.30
Five Courses (15.0 Credit Hours)	2,515.50	N/A	200.00	90.45	N/A	304.45	15.00	5.00	\$3,130.40

UNDERGRADUATE (International Students)

One-Half Course (1.5 Credit Hours)	568.50	N/A	20.00	67.80	36.75	33.82	7.50	2.50	\$736.87
One Course (3.0 Credit Hours)	1,137.01	N/A	40.00	67.80	36.75	33.82	7.50	2.50	\$1,325.38
Two Courses (6.0 Credit Hours)	2,274.01	N/A	80.00	67.80	36.75	33.82	7.50	2.50	\$2,502.38
Three Courses (9.0 Credit Hours)	3,411.02	N/A	120.00	90.45	36.75	304.45	15.00	5.00	\$3,982.67
Four Courses (12.0 Credit Hours)	4,548.02	N/A	160.00	90.45	36.75	304.45	15.00	5.00	\$5,159.67
Five Courses (15.0 Credit Hours)	5,685.03	N/A	200.00	90.45	36.75	304.45	15.00	5.00	\$6,336.68

UNDERGRADUATE (International Students admitted and beginning program September 2013)

One-Half Course (1.5 Credit Hours)	754.63	N/A	20.00	67.80	301.55	33.82	7.50	2.50	\$1,187.80
One Course (3.0 Credit Hours)	1,509.25	N/A	40.00	67.80	301.55	33.82	7.50	2.50	\$1,962.42
Two Courses (6.0 Credit Hours)	3,018.50	N/A	80.00	67.80	301.55	33.82	7.50	2.50	\$3,511.67
Three Courses (9.0 Credit Hours)	4,527.75	N/A	120.00	90.45	301.55	304.45	15.00	5.00	\$5,364.20
Four Courses (12.0 Credit Hours)	6,037.00	N/A	160.00	90.45	301.55	304.45	15.00	5.00	\$6,913.45
Five Courses (15.0 Credit Hours)	7,546.25	N/A	200.00	90.45	301.55	304.45	15.00	5.00	\$8,462.70

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (Canadian Students)

Semester	PS I	2,515.50	465.00	200.00	90.45	N/A	304.45	15.00	5.00	\$3,595.40
	PS II	2,515.50	465.00	200.00	90.45	N/A	304.45	15.00	5.00	\$3,595.40
	PS III	2,515.50	N/A	200.00	N/A	N/A	299.45	15.00	5.00	\$3,034.95

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students)

Semester	PS I	5,685.03	465.00	200.00	90.45	36.75	304.45	15.00	5.00	\$6,801.68
	PS II	5,685.03	465.00	200.00	90.45	36.75	304.45	15.00	5.00	\$6,801.68
	PS III	5,685.03	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$6,241.23

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students admitted and beginning September 2013)

Semester	PS I	7,546.25	465.00	200.00	90.45	36.75	304.45	15.00	5.00	\$8,662.90
	PS II	7,546.25	465.00	200.00	90.45	36.75	304.45	15.00	5.00	\$8,662.90
	PS III	7,546.25	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$8,102.45

PROGRAMS/COURSES NOT COVERED BY THE ABOVE SCHEDULE

CO-OP PROGRAM (Faculties of Arts and Science and Management)

Canadian Students	629.20		80.00				299.45	15.00	5.00	\$1,028.65
International Students	629.20		80.00		36.75		299.45	15.00	5.00	\$1,065.40

MUSIC STUDIO COURSES (Music 2X48, 3X48, 4X48)

Canadian Students	1,015.40		40.00							\$1,055.40
International Students	1,649.31		40.00							\$1,689.31
International Students (Sept 2013)	2,021.55		40.00							\$2,061.55

PRACTICUM I (Education 2500)

Canadian Students	503.10	105.00	40.00							\$648.10
International Students	1,137.01	105.00	40.00							\$1,282.01
International Students (Sept 2013)	1,509.25	105.00	40.00							\$1,654.25

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 \$37.50 per course, and Student Copyright Access Fee of \$2.50 per course.

³ Students' Union Fee components are:

	<u>Full time rates</u>	<u>Part time rates</u>
Building Fund	13.65	5.34
Operations	29.35	14.74
Capital Replacement Fund	5.45	2.74
CKXU Radio	5.00	5.00
Leth. Public Interest Research Group	5.00	5.00
Campus Women's Centre	1.00	1.00
Health Plan - 12 months coverage	135.00	0.00
Dental Plan - 12 months coverage	110.00	0.00
	<u>\$304.45</u>	<u>\$33.82</u>

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 and Dental Plan cost is \$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 \$80.00 (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.

Past due accounts are charged simple interest set 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.

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.

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. Students aged 65 and over should contact the Registrar's Office and Student Services (ROSS).

Source: Financial Services, May 2013

UNIVERSITY OF LETHBRIDGE 2015/2016 ACADEMIC YEAR FEE SCHEDULE

UNDERGRADUATE PROGRAMS

EFFECTIVE APRIL 1, 2013

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

	U of L Fees					Students' Union Fees ³	1st Choice Savings Centre Contribution	Meliorist	Total
	Tuition ¹	Practicum Travel Fee	Student Administrative Fees ²	Sport and Recreation Services Fee	Health Centre Insurance Fee				

UNDERGRADUATE (Canadian Students)

One-Half Course (1.5 Credit Hours)	256.95	N/A	20.00	\$70.50	N/A	\$33.82	\$7.50	\$2.50	\$391.27
One Course (3.0 Credit Hours)	513.90	N/A	40.00	70.50	N/A	33.82	7.50	2.50	\$668.22
Two Courses (6.0 Credit Hours)	1,027.80	N/A	80.00	70.50	N/A	33.82	7.50	2.50	\$1,222.12
Three Courses (9.0 Credit Hours)	1,541.70	N/A	120.00	94.05	N/A	304.45	15.00	5.00	\$2,080.20
Four Courses (12.0 Credit Hours)	2,055.60	N/A	160.00	94.05	N/A	304.45	15.00	5.00	\$2,634.10
Five Courses (15.0 Credit Hours)	2,569.50	N/A	200.00	94.05	N/A	304.45	15.00	5.00	\$3,188.00

UNDERGRADUATE (International Students)

One-Half Course (1.5 Credit Hours)	580.70	N/A	20.00	70.50	36.75	33.82	7.50	2.50	\$751.77
One Course (3.0 Credit Hours)	1,161.40	N/A	40.00	70.50	36.75	33.82	7.50	2.50	\$1,352.47
Two Courses (6.0 Credit Hours)	2,322.80	N/A	80.00	70.50	36.75	33.82	7.50	2.50	\$2,553.87
Three Courses (9.0 Credit Hours)	3,484.20	N/A	120.00	94.05	36.75	304.45	15.00	5.00	\$4,059.45
Four Courses (12.0 Credit Hours)	4,645.60	N/A	160.00	94.05	36.75	304.45	15.00	5.00	\$5,260.85
Five Courses (15.0 Credit Hours)	5,807.00	N/A	200.00	94.05	36.75	304.45	15.00	5.00	\$6,462.25

UNDERGRADUATE (International Students admitted and beginning program September 2013)

One-Half Course (1.5 Credit Hours)	770.83	N/A	20.00	70.50	0.00	33.82	7.50	2.50	\$905.15
One Course (3.0 Credit Hours)	1,541.65	N/A	40.00	70.50	0.00	33.82	7.50	2.50	\$1,695.97
Two Courses (6.0 Credit Hours)	3,083.30	N/A	80.00	70.50	0.00	33.82	7.50	2.50	\$3,277.62
Three Courses (9.0 Credit Hours)	4,624.95	N/A	120.00	94.05	0.00	304.45	15.00	5.00	\$5,163.45
Four Courses (12.0 Credit Hours)	6,166.60	N/A	160.00	94.05	0.00	304.45	15.00	5.00	\$6,745.10
Five Courses (15.0 Credit Hours)	7,708.25	N/A	200.00	94.05	0.00	304.45	15.00	5.00	\$8,326.75

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (Canadian Students)

Semester	PS I	2,569.50	485.00	200.00	94.05	N/A	304.45	15.00	5.00	\$3,673.00
	PS II	2,569.50	485.00	200.00	94.05	N/A	304.45	15.00	5.00	\$3,673.00
	PS III	2,569.50	N/A	200.00	N/A	N/A	299.45	15.00	5.00	\$3,088.95

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students)

Semester	PS I	5,807.00	485.00	200.00	94.05	36.75	304.45	15.00	5.00	\$6,947.25
	PS II	5,807.00	485.00	200.00	94.05	36.75	304.45	15.00	5.00	\$6,947.25
	PS III	5,807.00	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$6,363.20

FACULTY OF EDUCATION PROFESSIONAL SEMESTER FEES (International Students admitted and beginning September 2013)

Semester	PS I	7,708.25	485.00	200.00	0.00	36.75	304.45	15.00	5.00	\$8,754.45
	PS II	7,708.25	485.00	200.00	0.00	36.75	304.45	15.00	5.00	\$8,754.45
	PS III	7,708.25	N/A	200.00	N/A	36.75	299.45	15.00	5.00	\$8,264.45

PROGRAMS/COURSES NOT COVERED BY THE ABOVE SCHEDULE

CO-OP PROGRAM (Faculties of Arts and Science and Management)

Canadian Students	642.70		80.00			299.45	15.00	5.00	\$1,042.15
International Students	642.70		80.00		36.75	299.45	15.00	5.00	\$1,078.90

MUSIC STUDIO COURSES (Music 2X48, 3X48, 4X48)

Canadian Students	1,037.20		40.00						\$1,077.20
International Students	1,684.70		40.00						\$1,724.70
International Students (Sept 2013)	2,064.95		40.00						\$2,104.95

PRACTICUM I (Education 2500)

Canadian Students	513.90	110.00	40.00						\$663.90
International Students	1,161.40	110.00	40.00						\$1,311.40
International Students (Sept 2013)	1,541.65	110.00	40.00						\$1,691.65

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 \$37.50 per course, and Student Copyright Access Fee of \$2.50 per course.

³ Students' Union Fee components are:

	Full time rates	Part time rates
Building Fund	13.65	5.34
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Capital Replacement Fund	5.45	2.74
CKXU Radio	5.00	5.00
Leth. Public Interest Research Group	5.00	5.00
Campus Women's Centre	1.00	1.00
Health Plan - 12 months coverage	135.00	0.00
Dental Plan - 12 months coverage	110.00	0.00
	\$304.45	\$33.82

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 and Dental Plan cost is \$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.

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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. Students aged 65 and over should contact the Registrar's Office and Student Services (ROSS).

Source: Financial Services, May 2013

II. FEE DEADLINES

**2013
May**

- I First day of the 2013/2014 academic year.
Interest charges calculated on any Spring 2013 or prior fees, and added to accounts at the close of the business day.
- 11 Fee deadline date for Summer Session I.
- 14 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).
- 20 Statutory Holiday - Cash Office closed.

May 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

**2013
June**

- 3 Interest charges calculated on any Summer Session I or prior fees, and added to accounts at the close of the business day.

June 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

**2013
July**

- I Statutory Holiday - Cash Office closed.
- 2 Interest charges calculated on any Summer Session I or prior fees, and added to accounts at the close of the business day.
- 8 Fee deadline date for Summer Session II and II/III.
- 9 Summer Session II and II/III students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).
- 30 Fee deadline date for Summer Session III.

July 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**2013
August**

- I Interest charges calculated on any Summer Session II or prior fees, and added to accounts at the close of the business day.
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).
- 5 Civic Holiday - Cash Office closed.
- 15 Deadline to clear all outstanding accounts in order to be permitted to graduate at Fall Convocation (see **Part 5 - Graduation, Section 2. Outstanding Accounts, p. 93**).

August 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**2013
September**

- 2 Statutory Holiday - Cash Office closed.
- 3 Interest charges calculated on any Summer 2013 or prior fees, and added to accounts at the close of the business day.
- 20 Students' Union Health and Dental Plan opt-out deadline for students admitted in the Fall 2013 semester.

September 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

**2013
October**

- I Fee deadline date for Fall 2013 semester.
Students who withdraw by this date are assessed a percentage of fees (see p. 60).
Interest charges calculated on any Fall 2013 or prior fees, and added to accounts at the close of the business day.
Automatic withdrawal of newly admitted or readmitted students who have paid only the tuition deposit.
Automatic withdrawal of continuing students who have not made any payments towards the Fall 2013 tuition fees.
- 14 Statutory Holiday - Cash Office closed.

October 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

When a deadline occurs on a weekend or a Statutory or Civic Holiday, the deadline will be the next working day.

**2013
November**

- 1 Interest charges calculated on any Fall 2013 or prior fees, and added to accounts at the close of the business day.
- 11 Statutory Holiday - Cash Office closed.
- 15 Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

November 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

**2013
December**

- 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.
- 2 Interest charges calculated on any Fall 2013 or prior fees, and added to accounts at the close of the business day.
- 6 Students who withdraw by this date are assessed full fees (see p. 60).
- 25-31 Christmas Holidays - Cash Office closed.

December 2013						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

**2014
January**

- 1 Statutory Holiday - Cash Office closed.
- 2 Interest charges calculated on any Fall 2013 or prior fees, and added to accounts at the close of the business day.
- 24 Students' Union Health and Dental Plan opt-out deadline for students admitted in the Spring 2014 semester.

January 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

**2014
February**

- 1 Fee deadline date for Spring 2014 semester.
- 3 Students who withdraw by this date are assessed a percentage of fees (see p. 60). Interest charges calculated on any Spring 2014 or prior fees, and added to accounts at the close of the business day.
Automatic withdrawal of newly admitted or readmitted students who have paid only the tuition deposit.
Automatic withdrawal of continuing students who have not made any payments towards the Spring 2014 tuition fees.
- 17 Statutory Holiday - Cash Office closed.

February 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

**2014
March**

- 3 Interest charges calculated on any Spring 2014 or prior fees, and added to accounts at the close of the business day.
- 15 Students who withdraw by this date are assessed a percentage of fees. After this date, students are assessed full fees (see p. 60).

March 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

**2014
April**

- 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. 93**). Interest charges calculated on any Spring 2014 or prior fees, and added to accounts at the close of the business day.
- 15 Students who withdraw by this date are assessed full fees (see p. 60).
- 18 Statutory Holiday - Cash Office closed.
- 21 Statutory Holiday - Cash Office closed.
- 30 Last day of the 2013/2014 academic year.

April 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

When a deadline occurs on a weekend or a Statutory or Civic Holiday, the deadline will be the next working day.

Part 4

ACADEMIC REGULATIONS, POLICIES, AND PROGRAM REQUIREMENTS

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I. ADVICE AND INFORMATION

A student may obtain further information about academic regulations from the Faculty/School 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/School offering a course by the date set at the end of each session. 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 or the late submission of grades.

1. Grading System

Effective May 1, 2002, the University of Lethbridge and other Alberta universities adopted a common 4-point grading system. The common grading system closely resembles the grading system that became effective on September 1, 1988, when pluses and minuses were introduced into the original University of Lethbridge grading system. All three University of Lethbridge systems are described in the table on **page 71**.

Under all three systems, the overall academic performance of a student is expressed as a Grade Point Average (GPA). For students whose grades are recorded under two or three systems, the grade point average is determined in the same way. No attempt will be made at differential weighting of the three systems.

The grade point average achieved by a student is determined by multiplying the grade points assigned to each grade by the weighting factor for the course. The total of all course grade points thus calculated is then divided by the total of the weighting factors for all courses.

Example:

	Grade	Grade Points	Weighting Factor	Total Grade Points
Sociology 1000	A	4	3.00	12.00
English 1900	B	3	3.00	9.00
Mathematics 1560	C	2	3.00	6.00
Physical Activity 2155	A	4	1.50	6.00
Physics 1000	D	1	<u>3.00</u>	<u>3.00</u>
			13.50	36.00

The total Grade Points divided by the total Weighting Factor = the Grade Point Average (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	-	Non-Credit
P	-	Pass
W	-	Withdrawal
WC	-	Withdrawal with Cause
X	-	Continuing
X	-	Permanent

2. Grade Point Average in the University of Lethbridge Record

The current grade point average 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/Non-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 as Credit/Non-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.

UNIVERSITY OF LETHBRIDGE GRADING SYSTEMS

Grading System effective May 1, 2002		Grade Points	Grading System prior to May 1, 2002		Grade Points	Grading System prior to Sept. 1, 1988		Grade Points
A+		4.0	A+		4.0	A	Excellent	4
A	Excellent	4.0	A	Excellent	4.0			
A-		3.7	A-		3.7			
B+		3.3	B+		3.3	B	Superior	3
B	Good	3.0	B	Good	3.0			
B-		2.7	B-		2.7			
C+		2.3	C+		2.3			
C	Satisfactory	2.0	C	Satisfactory	2.0	C	Satisfactory	2
C-		1.7	C-		1.7			
D+	Poor	1.3	D+		1.3			
D	Minimal Pass	1.0	D	Poor	1.0	D	Poor	1
			D-		0.7			
F	Failure	0	F	Failing	0	F	Failing	0

Note: WF Withdrawal Fail effective May 1, 1992 to April 30, 2010

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 and Student Services (ROSS) 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 and Student Services (ROSS) recommends that the student use Registered Mail to guarantee delivery.

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/School 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 or School 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.

X - Permanent

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 'Cr' 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:	
• No transfer credit	4
• 1.5 - 30.0 transfer credit hour equivalents	4
• 31.5 - 60.0 transfer credit hour equivalents	3
All post-diploma programs, with or without transfer credit	2
All post-diploma combined degrees programs, with or without transfer credit	3
All certificate programs and the Professional Diploma in Accounting, with or without transfer credit	1
All second degree programs, with or without transfer credit	2

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 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/Schools 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 designation 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 either 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 not included in computation of the grade point average; when the student is awarded 'F', the course is included in computation of the grade point average.

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.

If a student repeats a course, the grade for each attempt is recorded on the transcript, but only the grade and credit hours for the most recent attempt are computed in the GPA.

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 and Student Services [ROSS]).

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 Computer Science 1000 and Management 2060 (which are substantially similar) would have his/her program increased by one course (3.0 credit hours). If completion of Computer Science 1000 also causes the 10 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/School 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/School, 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 grade point average:

Number of completed courses (includes transfer courses)	GPA (UofL)
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.

For Graduate Student Academic Standards, see the General Regulations section in the applicable program-specific part of the University of Lethbridge 2013/2014 Graduate Studies Calendar.

2. Probationary Student

If the cumulative grade point average 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 three academic grounds: (1) academic indices, (2) consecutive semesters on probation or (3) failure to meet the terms of Conjoint Admission.

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

a. Required Withdrawal - Academic Indices

Students who have completed six courses and whose cumulative grade point average, 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)	GPA (UofL)
6-10	1.50
11-20	1.70
21-30	1.85
31-40	2.00

b. 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.

c. Required Withdrawal - Terms of Conditional English Proficiency Admission

Students admitted under the Conditional English Proficiency provision must:

- Successfully complete each level of EAP in no more than two attempts, 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 withdraw from the University (see **Part 1 - Admission, Section 5.d., p. 39**).

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

4. **Required Withdrawal From Program/Major**

Where demand for access exceeds program/major capacity, Faculties/Schools reserve the right to set academic standards for continuation in a specific program or major, according to approved enrolment management policies. A student who is not eligible to continue in a program/major, but whose academic performance does not warrant required withdrawal from the Faculty/School 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/School.

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 or School.

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 or School 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 B.A.Sc. degrees, see **Part 7 - Arts and Science, Section 10, p. 105**.

g. **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 76-77.

Please note the following for the last three columns of the table:

Column A: Residence Requirement

A student who is a candidate for a 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/School 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 15.d. (p. 151) 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.

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/School in which the course is taught.

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

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 General Faculties Council. The appeal must be submitted to the Secretary of General Faculties Council no later than 30 days after the decision of the Faculty Grade Appeal Committee has been mailed.
2. The General Faculties Council shall reach a decision regarding the appeal no later than 30 days after the date that the appeal was received by the Secretary of General Faculties Council.
3. The authority of General Faculties Council regarding grade appeals shall be delegated to the GFC Grade Appeal Committee, appointed by General Faculties Council. 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 General Faculties Council, within 10 days of the decision of the Committee regarding the appeal. The Secretary of General Faculties Council 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.
3. In the case of the Faculty Grade Appeal Committee, no member of the Committee shall act as an

University of Lethbridge Residence Requirements and Time Limits

Faculty	Program	Number of Courses in Program	A. Residence Requirement (Minimum number of UoL courses required and, if applicable, when they must be completed in the program.)	B. Time Limit for Retention of Individual Course Credit (UoL and/or transfer credit)	C. Time Limit for Program Completion
ARTS AND SCIENCE	B.A., B.Sc., BASc.	40	As the first degree: 20 courses, including the last 10 taken for credit toward the degree.	No limit.	No limit.
		Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.		
	20	As the first degree: 20 courses. (No transfer credit.)			
	20	As the second degree: 20 courses. (No transfer credit.)			
Post-Diploma Programs	B.A., B.Sc. - Agricultural Studies major	20	As the first degree: 20 courses. (No transfer credit.)	No limit.	No limit.
		20	As the second degree: 20 courses. (No transfer credit.)		
	20	As the first degree: 20 courses. (No transfer credit.)			
	20	As the second degree: 20 courses. (No transfer credit.)			
EDUCATION	B.Ed.	20	As the first degree: 20 courses.	No limit.	No limit.
		Varies	As the second degree: Set on an individual basis.		
	D.P.E.	8	5 courses.		
	B.Ed. after Teacher Training	40	As the first degree: 20 courses, including a minimum of 12 offered by the Department of Art of which at least 7 must be at the 3000/4000 level.		
FINE ARTS	B.F.A. (Art)	Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.	No limit.	No limit.
		40	As the first degree: 20 courses, including a minimum of 12 in Dramatic Arts of which at least 7 must be at the 3000/4000 level.		
	Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.			
	40	As the first degree: 20 courses, including a minimum of 12 in the Faculty of Fine Arts and the last 10 taken for credit toward the degree.			
B.F.A. (Multidisciplinary)	B.F.A. (New Media)	Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.	No limit.	No limit.
		40	As the first degree: 20 courses, including a minimum of 12 in New Media of which at least 7 must be at the 3000/4000 level.		
	Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.			
	40	As the first degree: 20 courses, including a minimum of 12 in Music of which at least 7 must be at the 3000/4000 level.			
Post-Diploma Programs	B.F.A. (Art), B.F.A. (Dramatic Arts), B.Mus. (After a Two-Year Diploma)	Minimum of 20	As the second degree: 20 courses, taken after admission to the second degree program.	No limit.	No limit.
		20	As the first degree: 20 courses, taken after admission to the second degree program.		
	15	As the first degree: 15 courses. (No transfer credit)			
	20	As the second degree: 20 courses. (No transfer credit.)			

HEALTH SCIENCES	B.N.	41.3 (124.0 cr. hrs.)	20 courses, including a minimum of 12 in Nursing and Health Sciences. (LC Nursing courses count as UoFL courses, see Part 10 - Faculty of Health Sciences, section 7.a.1, p. 201)	7 years for Nursing courses.	7 years after completion of the first Nursing course used for the degree.
	B.H.Sc. - Addictions Counselling major	40	20 courses, including a minimum of 10 in Health Sciences.	7 years for Health Sciences courses.	7 years after completion of the first Health Sciences course used for the degree.
	B.H.Sc. - Public Health major	40	20 courses, including a minimum of 7 in Public Health.	7 years for Public Health courses.	7 years after completion of the first Public Health course used for the degree.
	B.N. - After Degree	27 (81.0 cr. hrs.)	27 courses (81.0 cr. hrs.) (LC Nursing courses count as UoFL courses)	6 years for Nursing courses.	6 years after completion of the first Nursing course used for the degree
Post-Diploma Programs	B.H.Sc. - Addictions Counselling major	20	18 courses, including a minimum of 12 Health Sciences.	No limit.	7 years after completion of the first Health Sciences course used for the degree.
MANAGEMENT	B.Mgt	40	As the first degree: 20 courses, including 10 3000/4000-level courses in Management. As the second degree: 15 courses, including at least 10 3000/4000-level courses in Management.	See Notes 3, 4, and 5. See Notes 3 and 4.	10 years after admission to the Faculty of Management.
Post-Diploma Program	B.Mgt. (See Note 2.)	20-25	20 courses Note: Courses taken as part of the Qualifying Program cannot be counted toward the residence requirement.	See Notes 3 and 4. (No transfer credit.)	
Certificate Program	Management Certificate (See Note 4.)	10	5 courses after admission to a Certificate program in the Faculty of Management.	See Note 3.	5 years after admission to the Faculty of Management.
Professional Diploma in Accounting	Professional Diploma in Accounting	10	5 courses towards the Professional Diploma in Accounting taken at the UoFL	See Note 3.	5 years after admission to the Faculty of Management.
COMBINED DEGREES PROGRAMS	B.A./B.Ed., B.Sc./B.Ed.	50	30 courses, including 15 in Arts and Science and 15 in Education.	No limit.	No limit.
	B.F.A. (Art)/B.Ed.	50	30 courses, including a minimum of 7 in Art and/or Art History/Museum Studies and 15 in Education.		
	B.F.A. (Dramatic Arts)/B.Ed.	50	30 courses, including a minimum of 6 in Drama and 15 in Education.		
	B.Mus./B.Ed.	52	32 courses, including a minimum of 9 in Music and 15 in Education.		
	B.Mgt./B.Ed.	50	30 courses, including 10 in Management (7 of which must be at the 3000/4000 level) and 15 in Education.	See Note 3. No limit for Education courses.	10 years after admission to the Faculty of Management.
	B.A./B.Mgt., B.Sc./B.Mgt.	50	30 courses, including 20 in Arts and Science and 10 in Management at the 3000/4000 level.	No limit for Arts and Science courses. See Notes 3, 4, and 6.	
	B.F.A. (New Media)/B.Mgt.	50	30 courses, including 7 New Media courses and 10 Management courses at the 3000/4000 level.	No limit for New Media courses. 8 years for Management courses. Once admitted, credit is retained until completion of the program. See note 4.	Faculty of Fine Arts - No limit. Faculty of Management - 10 years after admission to the Faculty of Management.
	B.H.Sc./B.Mgt.	50	30 courses, including a minimum of 15 Health Sciences courses and 10 Management courses at the 3000/4000 level.	7 years for Public Health courses. 8 years for Management courses. Once admitted, credit is retained until completion of the program. See note 4.	Faculty of Health Sciences - 7 years after completion of the first Public Health course used for the degree. Faculty of Management - 10 years after admission to the Faculty of Management.
Post-Diploma Combined Degrees Programs	B.F.A. (Art)/B.Ed., B.F.A. (Dramatic Arts)/B.Ed., B.Mus./B.Ed. (After a Two- or Three-Year Diploma)	35	As the first degree: 35 courses, including a minimum of 8 in the discipline (Art and/or Art History/Museum Studies, Dramatic Arts or Music) and 20 courses in Education. (No transfer credit.)	No limit.	No limit.
	B.Mgt./B.Ed.	35	30 courses, including 8 in Management and 15 in Education.	See Note 3. No limit for Education courses.	10 years after admission to the Faculty of Management.

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.

4. 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.
5. 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.
6. After a grade appeal is completed, personal materials must be returned to the instructor(s) and student.
7. 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 and Student Services (ROSS). 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 I. Suspension/Expulsion below**.

I. 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/her 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 sent 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 Student Services (ROSS) 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 & 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. 13). 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 in Section B.2 on p. 13. 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.
2. The complaint shall be a detailed written description of the incident and shall include the time, place and persons involved, as well as all relevant information concerning the incident. The complaint shall be referred as indicated immediately below and copied to others as required.
3. Referral
 - a. Actions that interfere with the teaching, learning, and research functions of the University are to be referred to the Dean of the Faculty/School in which the course involved is offered. See **Section h. below**.
 - b. Actions which interfere with learning and research activities in the University Library are to be referred to the University Librarian. See **Section h. below**.
 - c. All other offences are to be referred to the Director, Security & Parking. See **Section i. below**.

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/School 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 & 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 & 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 and Student Services (ROSS). 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.

- By the Dean, exclusion from one or more courses for a defined number of meetings or to the end of the semester
- By the Dean, exclusion from all courses for a defined number of meetings or to the end of the semester
- By the University Librarian, reparations
- By the University Librarian, suspension of Library privileges
- 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 and Student Services (ROSS). 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

- 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 & Parking.

2. Actions

The Director, Security & 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 and Student Services (ROSS). The Registrar shall inform the Director, Security & 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 & Parking may impose the following penalties:

- Reparation
- Exclusion from defined areas of the campus
- Exclusion from campus
- Other limitations as required

At the discretion of the Director, Security & 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.i.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 & 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 & 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 and Student Services (ROSS). 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 & 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. 80.**

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 & 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 and schools 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. 83**.

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 University 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 Disabilities Resource 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 Disabilities Resource Office, 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 Disabilities Resource 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. 71** for more information regarding the 'I - 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 insure 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.

e. Ownership, Confidentiality, and Posting of Grades

1. Students have the right to obtain and keep all graded work at the end of the appeal period. Instructors may retain questions.
2. All reasonable measures shall be taken to ensure confidentiality of both the student's work and the instructor's assessment. Under no circumstances shall any form of graded work be left in an unsupervised public place. Students who want someone else to pick up any form of graded work for them must authorize that person in writing. Students may provide a stamped, self-addressed envelope to the instructor for the return of graded work.
3. Instructors may not post grades unless all precautions are taken to protect student confidentiality. Neither names, nor University of Lethbridge student identification numbers, nor lists of identifiers which retain the original alphabetical order of names on a class list may be used for posting grades.

4. When graded term work cannot be returned in person, grades or comments may be posted on-line using university-approved learning management software. When this is not possible, grades and comments may be sent by e-mail provided that university e-mail addresses are used by both instructor and student.
5. Final course grades may not be e-mailed to students. Students should access final course grades using the Bridge.

f. Handling of Materials after Student Assessment is Complete

In accordance with Alberta's Freedom of Information and Protection of Privacy Act (FOIP Act), any graded student work that remains unclaimed after the Grade Appeal Period must be retained for one year as follows:

1. Unclaimed material from the Fall semester must be retained until December 31 of the following year and destroyed no later than January 31.
2. Unclaimed material from the Spring semester must be retained until April 30 of the following year and destroyed no later than May 31.
3. Unclaimed material from the Summer Sessions must be retained until August 31 of the following year and destroyed no later than September 30.

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.

The full policy is available online at www.uleth.ca/policy/art-placement.

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. 14)** 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 and Protocol

As an institution of higher learning, the University is committed to openness of debate respecting differences of opinion, development of critical thinking, and evaluation of ideas and actions. The University recognizes

that members of the University community have academic freedom to discuss controversial ideas. Nothing in this protocol shall be construed to limit freedom of speech. However, the privilege of academic freedom is accompanied by the responsibility to respect the individual rights of every person.

The University has a responsibility to protect and ensure the safety of all members of the University Community. The establishment of this protocol ensures that the University can carry out this responsibility. This protocol is intended for all students (undergraduate and graduate) at the University of Lethbridge. The primary purpose of the protocol is to enable the University to intervene early and/or provide support to students displaying varying levels of distressed or disturbed behaviour which may result in disruption in or out of the classroom. The University will also take such measures as required to ensure the safety of members of the University community.

The full policy is available online at www.uleth.ca/policy/behavioural-incident-policy-protocol-students.

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. 555)**.

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 **Disabilities in Part 16 - General Services (p. 554)**.

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. 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, which consists of:

- a. 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

OR

Liberal Education 1000 and Library Science 2000; and Liberal Education 3010 and Liberal Education 4000

- b. 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.
- c. Only four courses (12.0 credit hours) in total may be counted from all courses offered by a single department.
- d. Students pursuing a post-diploma program offered by the University of Lethbridge are required to meet either the full 12-course or a modified General Liberal Education Requirement. 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) General Liberal Education Requirement.

Modified General Liberal Education Requirement

Students registered in the post-diploma B.Sc. in Environmental Science program are required to meet a modified General Liberal Education Requirement 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 General Liberal Education Requirement 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 General Liberal Education Requirement 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 General Liberal Education Requirement 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 General Liberal Education Requirement 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 General Liberal Education Requirement 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 General Liberal Education Requirement 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.

Kinesiology 4400 - Canadian Sport History
Kinesiology 4640 - Applied Ethics in Sport and Physical Activity

Modern Languages

French - all courses
German - all courses
Japanese - 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

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

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

Art - all courses
Art History/Museum Studies - all courses
Drama - all courses
Fine Arts - all courses
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 Dimensions of Physical Activity Involvement
Kinesiology 3400 - History of Sport and Physical Activity
Kinesiology 3740 - Philosophy of Physical Activity

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

Kinesiology and Physical Education

Kinesiology - all courses, excluding Physical Activity courses and all other Kinesiology courses listed as Humanities courses or Science courses

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

Archaeology 3600 - Archaeology and Human Evolution
Archaeology 3610 - Old World Prehistory
Archaeology 3700 - Geoarchaeology and Landscape Analysis

Archaeology 3720 - Archaeological Materials Analysis
Archaeology 4000 - Advanced Series in Archaeological Science

*Archaeology 4500 - Advanced Series in New and Old World Archaeology

Biological Sciences

Biology - all courses, including those cross-listed with Health Sciences as follows:

- Biology 2003/Health Sciences 2003 - Epidemiology: The Ecology of Health and Disease
- 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 3900/Management 3721 - Economic and Business Forecasting
- Economics 3950 - Econometrics
- Economics 4150 - Mathematical Economics

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 - Quantitative 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 - Series in Advanced Physical Geography
- 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

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 - Series in Archaeological Science
- Archaeology 3300 - Archaeological Field Work (Series)

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 2110 - Biophysical Foundations of Human Movement
 Kinesiology 2115 - Scientific Basis of Strength Training
 Kinesiology 2200 - Research Methodologies in Physical Activity Involvement
 Kinesiology 2350 - Recognition and Care of Athletic Injuries
 Kinesiology 2600 - Functional Human Anatomy
 Kinesiology 2610 - Human Physiology
 Kinesiology 2670 - Introduction to Movement Disorders
 Kinesiology 2750 - Physical Basis of Ergonomics
 Kinesiology 3500 - Physical Activity and Nutrition
 Kinesiology 3610 - Exercise Physiology
 Kinesiology 3630 - Growth, Development and Aging
 Kinesiology 3650 - Biomechanics
 Kinesiology 3670 - Motor Skill Learning
 Kinesiology 3690 - Motor Control
 Kinesiology 4200 - Physical Activity and Health
 Kinesiology 4610 - Fitness and Lifestyle Assessment
 Kinesiology 4615 - Advanced Exercise Physiology
 Kinesiology 4660 - Biomechanical Instrumentation and Analysis
 Kinesiology 4665 - Biomechanical Modelling

Liberal Education
 Liberal Education 2100 - Quantitative Reasoning
 Liberal Education 2200 - Problems and Puzzles
 Liberal Education 3100 - History of Mathematics
 Liberal Education 3600 - Human Evolution Across Disciplines

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 - all courses
 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 3325 - 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 and Student Services (ROSS).

Part 5

GRADUATION

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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. 17)** 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 Transfer to a Professional Faculty in Part 7 - Faculty of Arts & Science on p. 147**) follow the procedures outlined below, applying for graduation as do all other students.

I. APPLICATION FOR GRADUATION

Each candidate for a degree, diploma, or certificate must formally apply for graduation by completing the *Application for Graduation* which is available on the Bridge (www.uleth.ca/bridge).

It is the responsibility of the student to ensure that his/her name appears on the graduation list.

Students may only attend the Convocation indicated on their *Application for Graduation* form.

Students who do not graduate, for any reason (e.g., academic or financial), must submit another application by the appropriate deadline.

a. Graduation Fee

All students applying to graduate will be charged a \$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.

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:

- Students completing program requirements in the Fall Semester:

December 1 (for Spring Convocation).

Note: 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 and Student Services (ROSS) can release the transcript.

Applications for 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 and Student Services (ROSS) 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. CONVOCAATION INVITATION

In mid-March (for Spring Convocation) and late August (for Fall Convocation), an invitation postcard is mailed to each graduand by the Registrar's Office and Student Services (ROSS). Graduands 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

Faculty of Health Sciences
Bachelor of Science

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:

School of Graduate Studies
Faculty of Arts and Science
Faculty of Education
Faculty of Fine Arts
Faculty of Health Sciences
Faculty of Management

See the **Academic Schedule (p. 17)** for complete information.

b. Distinction or Great Distinction

Undergraduate degrees with Distinction or Great Distinction are conferred upon students who have displayed outstanding academic performance during their undergraduate degree programs. In the Faculty of Education, outstanding practicum performance is also required.

Standards for Distinction or Great Distinction are dependent upon program. Please refer to **Institutional Honours** in the relevant Faculty/School Part of the Calendar for information on how these citations are awarded (see **Parts 7, 8, 9, 10, or 11**).

c. Medals

Each Faculty and School awards a University of Lethbridge Medal to its most distinguished graduand each year. Two gold medals are awarded by the Faculty of Arts and Science.

The Silver Medal of The Governor General of Canada is awarded to the graduate with the highest academic standing in an undergraduate program.

The Gold Medal of The Governor General of Canada is awarded to the graduate with the highest academic standing in a graduate program.

The School of Graduate Studies Medals of Merit are awarded to a graduating student from each Master's degree program for excellence in graduate studies.

The William Aberhart Gold Medal in Education is awarded to the graduating student who has shown the highest general proficiency in the final two years of the Bachelor of Education program.

Applications for these medals are not required. For complete information, please refer to **Part 15 - Awards and Scholarships, Section I.e.I, p. 457**.

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 and Student Services (ROSS) 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/School 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/School that the student has successfully completed all program requirements, the Registrar's Office and Student Services (ROSS) 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/School, and after completion of the conferral process, the Registrar's Office and Student Services (ROSS) 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/School 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 has a disability or can demonstrate another special need, no one except approved Graduands will process with the Graduands, 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:	Dull 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 befeater 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.

II. 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. 86)**. The full policy is available online at www.uleth.ca/policy/revoking-degrees-policy.

Part 6

INTERNATIONAL AND EXCHANGE STUDENTS AND THE INTERNATIONAL CENTRE FOR STUDENTS

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I. 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 enrolment 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. The International Centre for Students (ICS) was established to support the academic and personal growth of international students and exchange students. It is the goal of the ICS 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 I - Admission, Section 5. International Students (p. 39)**.

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 I - Admission, Section 6. English Language and Writing Requirements (p. 40)**.

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 studies. 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 ICS. There are currently approved exchange programs at institutions in Argentina, Australia, Belgium, China, Chile, Ecuador, France, Germany, Hungary, India, Italy, Japan, Malaysia, Mexico, the Netherlands, Poland, Slovenia, South Korea, Spain, Taiwan, Turkey, the United Kingdom, the United States, and Uruguay. Some exchange programs are only available to students in specific Faculties or programs at the University of Lethbridge.

For further information, contact the ICS Office (SU040; tel. 403-329-2053, fax 403-382-7140, or email: exchanges@uleth.ca).

b. Exchange Students from Other Universities

The ICS is the point of first 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 I - Admission, Section 3.d. (p. 35)**.

3. INTERNATIONAL CENTRE FOR STUDENTS (ICS)

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 advice, support, referral, 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.

The ISA is the University of Lethbridge's contact with Immigration Canada, providing assistance with immigration matters.

For further information, contact the ISA in the ICS Office (SU040; tel. 403-329-2053, fax 403-382-7140, or email: international.advice@uleth.ca.).

b. Language Services

The ICS is responsible for non-credit programs in English as a Second Language and university-level writing.

I. 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.

2. Enhanced Hours for KASP Students

The Enhanced Hours for KASP Students course consists of mandatory hours for all students from Saudi Arabia who are recipients of King Abdullah Scholarship Program (KASP) funding and who are enrolled in the U of L English for Academic Purposes (EAP) program. This course is designed to provide additional instructional hours in accordance with the KASP regulations maintained by the Saudi Arabian Culture Bureau in Canada; students will benefit from additional preparation related to writing, reading, grammar, and communication.

ENGLISH FOR ACADEMIC PURPOSES FEES (SEE SECTION 3.b.i., ABOVE)

(All fees are in Canadian dollars. The Board of Governors reserves the right to change fees and deposits as deemed necessary without prior notice.)

Fees (per semester)	2013/2014	2014/2015	2015/2016
EAP Full Time			
<i>All levels</i>			
Program Tuition	\$ 3,620.20	\$ 3,698.00	\$ 3,777.50
EAP Part Time			
<i>Advanced level only</i>			
Writing	\$ 905.05	\$ 924.50	\$ 944.35
Reading	\$ 905.05	\$ 924.50	\$ 944.35
Grammar	\$ 905.05	\$ 924.50	\$ 944.35
Communication	\$ 905.05	\$ 924.50	\$ 944.35
Compulsory Fees for All EAP Students			
EAP Application Fee	\$ 55.00	\$ 55.00	\$ 55.00
Sport & Recreation Services Fee (FT)	\$ 86.95	\$ 90.45	\$ 94.05
Sport & Recreation Services Fee (PT)	\$ 65.20	\$ 67.80	\$ 70.50
Health Care*			
New students - four months of coverage	\$ 201.00	TBA	TBA
Returning students - four months of coverage	\$ 212.00	TBA	TBA
* Rates are dependent on quotes from the external insurance carrier and are subject to change.			
Health Care Insurance Fee	\$ 36.75	\$ 36.75	\$ 36.75
Fees for Other Services			
Writing for University (WFU)	\$ 338.10	\$ 345.35	\$ 352.75
Academic English for International Grad Students	\$ 701.75	\$ 716.85	\$ 732.25
Enhanced Hours for KASP students (KASP - King Abdullah Scholarship Program)	\$ 525.00	\$ 525.00	\$ 525.00

FACULTY OF ARTS AND SCIENCE

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I. 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.

d. 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 (BASc.).

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. 88-91** 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 (BASc.). 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**.
- 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 Management (B.A./B.Mgt.) or Bachelor of Science/Bachelor of Management (B.Sc./B.Mgt.). 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 (B.A.Sc.) 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 I - Admissions** of this Calendar apply. See **Part I, Section 3.a.1 (p. 26)** 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. 237)** for additional admission requirements.

c. Combined Degrees programs: B.A./B.Ed. and B.Sc./B.Ed.

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 I - Admissions, Section 3.a.1 (p. 26)**. 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 4.0 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 4.0 scale, in the diploma program.

Applicants must follow the procedures outlined for all students in **Part I - Admission, Section 8, p. 45**.

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 4.0 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 4.0 scale, in the diploma program.

Applicants must follow the procedures outlined for all students in **Part I - Admission, Section 8, p. 45**.

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 4.0 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 in Environmental Science or related area with a cumulative grade point average between 2.00 and 2.74, on a 4.0 scale, in the diploma program plus directly related work experience.

Applicants follow the procedures outlined for all students in **Part I - Admission, Section 8, p. 45**. 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 4.0 scale, in the diploma program.

Applicants follow the procedures outlined for all students in **Part I - Admission, Section 8, p. 45** and must also submit an official college transcript.

e. Bachelor of Arts, Bachelor of Science, or Bachelor of Arts and Science After an Approved Degree

Admission to the Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), or Bachelor of Arts and Science (BASc.) programs after an approved degree may be gained after completion of a baccalaureate degree with 30 or more course equivalents from a recognized institution, Canadian or International. At least ten of the courses (30.0 credit hours) must be Arts and Science courses completed with a minimum grade of 'C'. (See **Part I - Admission**)

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.

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. 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 Arts and Science 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.

f. Pre-Professional Transfer Program in Engineering

Note: The Engineering transfer program with the University of Alberta is currently under review at the University of Lethbridge. New students will not be admitted for the 2013/2014 academic year. Please contact Arts and Science Student Program Services for further information.

Admission to the pre-professional transfer program in Engineering (University of Alberta) is restricted to High School applicants only and is competitive. Students must present the following courses:

- Chemistry 30
- English Language Arts 30-I
- Mathematics 30-I or Pure Mathematics 30
- Mathematics 3 I
- Physics 30

Typically, an admission average of 75% or higher on these courses is required.

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):

Number of Completed Courses (includes transfer courses)	GPA (UofL)
1-10	1.70
11-20	1.85
21-40	2.00

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.

b. Probation

Students whose cumulative grade point average 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 - Academic Indices

Students whose cumulative grade point average, at the end of the Spring Semester, falls below the following are required to withdraw from the University:

Number of Completed Courses (includes transfer courses)	GPA (UofL)
6-10	1.50
11-20	1.70
21-30	1.85
31-40	2.00

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 30 or 31 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 'Cr', up to the following limits:

- 40-course (120.0 credit hours)
B.A., B.Sc., and BASc. 20 ungraded courses

30-course (90.0 credit hours)
 Combined Degrees B.A. and B.Sc. 15 ungraded courses
 20-course (60.0 credit hours)
 Post-Diploma B.A. and B.Sc. 5 ungraded courses

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 3.5 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 grade point average by factoring into the University of Lethbridge cumulative grade point average, actual grades on transfer courses, and A+ grades as 4.3 grade points.

6. ARTS AND SCIENCE DISCIPLINES

A discipline is a branch of knowledge or learning. Disciplines are indicated in the University of Lethbridge 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)	History (HIST)
Agricultural Studies (AGST)	Interdisciplinary Studies (IDST)
Anthropology (ANTH)	Japanese (JPNS)
Applied Studies (APST)	Kinesiology (KNES)
Archaeology (ARKY)	Latin (LATI)
Art (ART)*	Liberal Education (LBED)
Art History/Museum Studies (AHMS)*	Library Science (LBSC)
Asian Studies (ASIA)	Linguistics (LING)
Astronomy (ASTR)	Logic (LOGI)
Biochemistry (BCHM)	Mathematics (MATH)
Biology (BIOL)	Modern Languages (MODL)

Blackfoot (BKFT)	Music (MUSI)*
Canadian Studies (CNST)	Music Ensemble Activity (MUSE)*
Chemistry (CHEM)	Native American Studies (NAS)
Computer Science (CPSC)	Neuroscience (NEUR)
Cree (CREE)	New Media (NMED)*
Drama (DRAM)*	Philosophy (PHIL)
Economics (ECON)	Physical Activity (PHAC)
Engineering (ENGG)	Physics (PHYS)
English (ENGL)	Political Science (POLI)
Environmental Science (ENVS)	Psychology (PSYC)
Exercise Science (EXSC)	Religious Studies (RELS)
Fine Arts (FA)*	Remote Sensing (RMST)
French (FREN)	Sociology (SOCL)
Geography (GEOG)	Spanish (SPAN)
Geology (GEOL)	Statistics (STAT)
German (GERM)	Urban and Regional Studies (UBRE)
Greek (GREK)	Women and Gender Studies (WGST)
Hebrew (HEBR)	Writing (WRIT)

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 Studies 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. 403-329-2000).

The Applied Studies office coordinates Applied Studies for students in 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. 73**). 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 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. 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.

Undergraduate thesis courses are numbered 4995 and are available for Arts and Science majors as indicated below:

Arts and Science major	Undergraduate Thesis course allowed
Agricultural Biotechnology	Agricultural Biotechnology 4995
Agricultural Studies (B.A. or B.Sc.)	Agricultural Studies 4995
Anthropology	Anthropology 4995
Archaeology and Geography (B.A. or B.Sc.)	Archaeology 4995 or Geography 4995
Art	Art 4995 or Art History/ Museum Studies 4995
Biochemistry	Biochemistry 4995
Biological Sciences	Biology 4995
Canadian Studies	Canadian Studies 4995
Chemistry	Chemistry 4995
Computer Science	Computer Science 4995
Computer Science and Geographical Information Science	Computer Science 4995 or Geography 4995
Dramatic Arts	Not currently available
Economics	Economics 4995
English	English 4995
Environmental Science	Environmental Science 4995
Exercise Science	Exercise Science 4995
French	French 4995
French/German	French 4995 or German 4995
French/Spanish	French 4995 or Spanish 4995
General Major in the Humanities	Not available
General Major in the Sciences	Not available
General Major in the Social Sciences	Not available
Geography (B.A. or B.Sc.)	Geography 4995
German	German 4995
History	History 4995
Kinesiology (B.A. or B.Sc.)	Kinesiology 4995
Mathematics	Mathematics 4995
Music	Not currently available
Native American Studies	Native American Studies 4995
Neuroscience	Neuroscience 4995
Philosophy	Philosophy 4995 or Logic 4995
Physics	Physics 4995
Political Science	Political Science 4995
Psychology (B.A. or B.Sc.)	Psychology 4995
Religious Studies	Religious Studies 4995
Remote Sensing	Remote Sensing 4995
Sociology	Sociology 4995
Urban and Regional Studies	Urban and Regional Studies 4995
Women and Gender Studies	Women and Gender Studies 4995

(See **Part 14 - Courses** for details on approved courses.)

a. Prerequisites

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**).

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.
 - b. The thesis should be of high quality and made publicly available by the 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 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 availability of the 'Honours Thesis' option should be directed to the respective Department/Unit. Please refer to **Part 4 - Academic Regulations, Section 3.f.**

(p. 74) 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.A., B.Sc., or B.Asc. as a second degree.

II. 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.Asc., 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.Asc., 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.

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: artsci.coop@uleth.ca; website: www.uleth.ca/artsci/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 4 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. 3 or 4 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. 70**). 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').

12. 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. 88**).
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 four Activity courses (i.e. courses labelled PHAC and MUSE; maximum 6.0 credit hours) may be completed for credit towards the degree, except for Kinesiology majors (not more than 10 Activity courses; 15.0 credit hours) and Music majors (not more than 8 Activity courses; 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. 73.)

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 Major in the Social Sciences, Geography, German, History, Kinesiology, Music, Native American Studies, Philosophy, Political Science, Psychology, Religious

Studies, Sociology, Urban and Regional Studies, Women and Gender Studies, 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.

13. 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. 88**).
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 four Activity courses (i.e. courses labelled PHAC and MUSE; maximum 6.0 credit hours) may be completed for credit towards the degree, except for Kinesiology majors (not more than 10 Activity courses; 15.0 credit hours) and Music majors (not more than 8 Activity courses; 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. 73.**)

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,

Archaeology and Geography, Biochemistry, Biological Sciences, Chemistry, Computer Science, Computer Science and Geographical Information Science, Environmental Science, Exercise 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.

14. 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. 88**).
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 four Activity courses (i.e. courses labelled PHAC and MUSE; maximum 6.0 credit hours) may be completed for credit towards the degree, except for Kinesiology majors (not more than 10 Activity courses; 15.0 credit hours) and Music majors (not more than 8 Activity courses; 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. 73.**)

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. 126 and p. 131)

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, Archaeology and Geography, Biochemistry, Canadian Studies, Computer Science and Geographical Information Science, Environmental Science, Exercise 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.

15. 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 Assistant Dean (Curriculum) of Arts and Science. 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/2013-14/arts_and_science/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 I
Management 3010 - Management Law
Political Science 2210 - Canadian Politics and Government

¹ 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
<i>(Independent Study - Optional; may not be counted in required courses for major)</i>	
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/arts/ci/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:

Philosophy 2001 - Introduction to Ethics
Philosophy 2236 - Environmental Philosophy

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 - Series on Anthropological Methods (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/2013-14/arts_and_science/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 I
- Management 3010 - Management Law
- Political Science 2210 - Canadian Politics and Government
- ¹ 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 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
¹Biology 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 3610 - Prairie Conservation
Biology 3700 - Ecosystem and Community Ecology
Biology 4100 - Advances in Agricultural Biotechnology
Biology 4110 - Advances in Genetics, Molecular and Cellular Biology
²Biology 4170 - Plant Biotechnology
Biology 4560 - Plant Development
Chemistry 2120 - Chemistry for Life Sciences II
Environmental Science 2000 - Fundamentals of Environmental Science

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

¹ Prerequisite required: *Biochemistry 2000*.

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/2013-14/arts_and_science/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
Political Science 2210 - Canadian Politics and Government

¹ 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.

Concentration: Geographical Information Science (Optional)

Agricultural Studies 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 such cases, students must select another option.

For students who complete all the requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

Agricultural Studies (B.Sc.)

Number of courses required for the Major 20

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

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).

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 3000 - Theory II: Contemporary Anthropological Theory
Anthropology 3100 - Series on Regional Ethnography

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

Students may take more than one offering of a Series course (i.e., Anthropology 3100, Anthropology 3900, Anthropology 4002, Anthropology 4500) or a Topics course (e.g., Anthropology 4850) for credit if the offerings (as indicated by the specific titles) are distinct.

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/2013-14/arts_and_science/anth_ba for a suggested sequencing plan for the Anthropology major in the B.A. program.

Anthropology (B.A.)

Number of courses required for the Major 13

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

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

Department: Geography

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

Please refer to the program website (www.uleth.ca/artsci/archaeology) 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
Geography 2735 - Introduction to Geographical Information Science

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.

Liberal Education 3600 (Human Evolution Across Disciplines) may replace one of the four additional courses in Archaeology at the 3000/4000 level.

See also:

- Bachelor of Arts or Bachelor of Science - Geography

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/arky_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 I
Geography 4725 - Advanced Remote Sensing
Geography 4740 - Advanced Geographical Information Systems

Two of:

¹Geography 4400 - Hydrology II OR Geography 4415 - Integrated Watershed Management OR
Geography 4750 - Glacial Processes, Measurements, and Models
Geography 4700 - Advanced Computer Mapping
Geography 4710 - Remote Sensing Field Techniques
Geography 4730 - Spatial Statistics
Geography 4751 - Project in Spatial Modelling
Geography 4753 - Seminar in Remote Sensing

Notes

¹Prerequisite 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.

Archaeology 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

f. Art

Department: Art (Faculty of Fine Arts)

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

Please refer to the program website (<http://www.uleth.ca/arts/arts/arts>) for more information.

Required courses:

Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
Art 3010 - Drawing I
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 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 Course
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)

Five additional courses (15.0 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/2013-14/arts_and_science/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)

g. 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/arts/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
²Engineering 2060 - Engineering Mechanics

Two courses (6.0 credit hours) in Biochemistry or Biology at the 4000 level

Notes

¹ Prerequisite required: Mathematics 1410.

²Prerequisites 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/2013-14/arts_and_science/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)

h. Biological Sciences

Department: Biological Sciences

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

Please refer to the program website (www.uleth.ca/artsci/biological-sciences) 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

¹Six 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
²Biology 3610 - Prairie Conservation
Biology 3630 - Field Biology
Biology 3700 - Ecosystem and Community Ecology
Biology 3710 - Population Biology
Biology 3800 - Aquatic Ecosystems
Biology 4700 - Molecular Ecology
Biology 4710 - Evolutionary and Ecological Modelling
Biology 4800 - Biology of Symbiotic Interactions

Recommended course:

Statistics 1770 - Introduction to Probability and Statistics

Notes

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

²Prerequisite required: Environmental Science 2000.

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/2013-14/arts_and_science/biol_bsc for a suggested sequencing plan for the Biological Sciences major in the B.Sc. program.

Biological Sciences (B.Sc.)

Number of courses required for the Major 20

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

i. 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 2010 - 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: The Structures and Powers
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 3400 - 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/2013-14/arts_and_science/cnst_ba for a suggested sequencing plan for the Canadian Studies major in the B.A. program.

Canadian Studies (B.A.)

Number of courses required for the Major 20

(Independent Study - Required in major)

j. 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 (recommended)
- Physics 1050 - Introduction to Biophysics
- ¹ 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

¹ Has prerequisites: Engineering 2000 and Mathematics 1560.

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 acceptable 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/2013-14/arts_and_science/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)

k. 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

One of:

- 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

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

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 urged to seek advice before the end of their third semester in planning a major and selecting courses.

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/2013-14/arts_and_science/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 17
(Independent Study - Optional; may be counted in required courses for major)

I. Computer Science and Geographical Information Science

Departments: Geography, and 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 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 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
- ¹ Computer Science 3740 - Programming Languages
- Computer Science 3750 - Artificial Intelligence
- Computer Science 3770 - Human-Computer Interaction
- 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
- ² 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

¹ Prerequisite required: Mathematics 2000.

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/2013-14/arts_and_science/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 not be counted in required courses for major)

m. 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 2100 - Play Reading and Analysis
- Drama 2120 - History and Development of Theatre I
- Drama 2130 - History and Development of Theatre II
- Drama 2810 - Introduction to Stagecraft
- Drama 3130 - Canadian Theatre

One of:

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

One of:

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

Two of:

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

One of:

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

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

One additional course (3.0 credit hours) in Drama

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/2013-14/arts_and_science/dram_ba for a suggested sequencing plan for the Dramatic Arts major in the B.A. program.

Dramatic Arts (B.A.)

Number of courses required for the Major 14

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

n. 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 2750 - Quantitative Methods in Economics
 - Economics 2900 - Economics and Business Statistics
 - Economics 3010 - Intermediate Microeconomic Theory
 - Economics 3012 - Intermediate Macroeconomic Theory
 - Economics 3950 - Econometrics
 - 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/2013-14/arts_and_science/econ_ba for a suggested sequencing plan for the Economics major in the B.A. program.

Economics (B.A.)

Number of courses required for the Major 14

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

o. English

Department: English

English is the study of the properties and powers of 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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/engl_ba for a suggested sequencing plan for the English major in the B.A. program.

English (B.A.)

Number of courses required for the Major 13

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

p. **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 2090 - 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

¹ 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

One of:

Chemistry 2410 - Analytical Chemistry I

Chemistry 2500 - Organic Chemistry I

Two of:

Mathematics 1410 - Elementary Linear Algebra
 Mathematics 1560 - Calculus I
 Statistics 1770 - Introduction to Probability and Statistics

One of:

Biology 3630 - Field Biology
 Geography 3710 - Field Techniques in the Earth Sciences
 Geography 3792 - Field Excursion in Physical Geography (Series)

² 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 15.h., p. 116**, for Biology lists). Some Topics courses in Biology may also qualify.

³ One Independent Study or Applied Study at the 3000/4000 level in Environmental Science

Technical Studies Semester (5 courses)

Students are required to complete a semester of study at Lethbridge College, consisting of five courses from the College's Environmental Science program. The Technical Studies Semester counts as the equivalent of 15.0 credit hours at the University of Lethbridge (three unspecified 2000-level and two unspecified 3000-level Environmental Science 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 Environmental Science. Further details are available from the Coordinator.

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 credit toward the B.Sc. degree.

³ Must be approved by the Coordinator of Environmental Science.

Students may not receive credit for courses at the University of Lethbridge for which close equivalents have been taken at Lethbridge College, and vice versa.

Students must ensure that their course selection has been approved by the Coordinator of Environmental Science.

Students should consider including an introductory Physics course (Physics 1050 - Introduction to Biophysics is recommended) as an elective in their degree program. Many other courses offered by the Faculty of Arts and Science complement an Environmental Science focus. Consult the Coordinator of Environmental Science for further information.

See also:

- Bachelor of Science - Biological Sciences
- Bachelor of Science - Geography

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/envs_bsc for a suggested sequencing plan for the Environmental Science major in the B.Sc. program.

Kinesiology 2200 - Research Methodologies in Physical

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.

Please note that the Concentration in Geographical Information Science is specifically excluded from Combined Degrees programs and from the Post-Diploma Bachelor of Science (B.Sc.) in Environmental Science.

Environmental Science (B.Sc.)

Number of courses required for the Major 25

(Independent or Applied Study - Required in major)

Concentration: Geographical Information Science (optional)

Number of courses required for Concentration 5

Total number of courses required for Major and Concentration 30

All students must also complete the Technical Studies Semester (5 courses).

q. Exercise Science

Department: Kinesiology and Physical Education

Students who enrol in the Exercise Science major will take a broad range of courses that focus on the study of human movement from a natural sciences perspective. Students will apply knowledge of biology, biochemistry, physics, and mathematics to their study of the anatomical, biomechanical, neurological, and physiological characteristics that underlie human movement. The study of movement will range across a broad 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 core (12 courses):

Biochemistry 2300 - Elements of Human Nutrition
 Biology 1010 - Cellular Basis of Life
 Chemistry 1110 - Chemistry for Life Sciences I
 Kinesiology 1000 - Wellness and Physical Activity
 Activity Involvement

Kinesiology 2600 - Functional Human Anatomy
 Kinesiology 2610 - Human Physiology
 Kinesiology 3610 - Exercise Physiology
 Kinesiology 3630 - Growth, Development and Aging
 Kinesiology 3650 - Biomechanics
 Mathematics 1560 - Calculus I
 Neuroscience 2600 - Brain and Behaviour

Options (8 courses):

Eight courses (24.0 credit hours) from the following; a minimum of six courses (18.0 credit hours) from the

Options list must be at the 3000/4000 level:

Biochemistry 2000 - Introductory Biochemistry
 Chemistry 2120 - Chemistry for Life Sciences II
 Engineering 2000 - Engineering Statics
 Engineering 2060 - Engineering Mechanics
 Kinesiology 2115 - Scientific Basis of Strength Training
 Kinesiology 2350 - Recognition and Care of Athletic Injuries
 Kinesiology 2750 - Physical Basis of Ergonomics
 Kinesiology 3500 - Physical Activity and Nutrition
 Kinesiology 3670 - Motor Skill Learning
 Kinesiology 3680 - Sport Psychology
 Kinesiology 3690 - Motor Control
 Kinesiology 3780 - Exercise Psychology
 Kinesiology 4500 - Physical Activity and Aging
 Kinesiology 4610 - Fitness and Lifestyle Assessment
 Kinesiology 4615 - Advanced Exercise Physiology
 Kinesiology 4630 - Physical Activity and Special Populations
¹Kinesiology 4640 - Applied Ethics in Sport and Physical Activity
 Kinesiology 4660 - Biomechanical Instrumentation and Analysis
 Kinesiology 4665 - Biomechanical Modelling
²Kinesiology 4720 - Gender and Physical Activity
 Kinesiology 4900 - Seminar
 Kinesiology 4995 - Undergraduate Thesis (6.0 credit hours)
 Psychology 1000 - Basic Concepts of Psychology
 Psychology 2320 - Cognition and Perception: Thinking and Seeing

One of:

Psychology 2030 - Methods and Statistics
 Statistics 1770 - Introduction to Probability and Statistics

Notes

¹ Prerequisite required: One of Kinesiology 2130 or Philosophy 1000.

² Prerequisite required: Kinesiology 2150.

Specific offerings under Kinesiology 2850/
 Kinesiology 3850/Kinesiology 4850 - Topics, Applied Studies, and Independent Studies may be acceptable as Options selections in the major with permission of the Chair of the Department of Kinesiology and Physical Education.

See also:

- Bachelor of Science - Kinesiology

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/exsc_bsc for a suggested sequencing plan for the Exercise Science major in the B.Sc. program.

Athletic Therapy Option

The Department of Kinesiology and Physical Education in the Faculty of Arts and Science at the University of Lethbridge, in collaboration with Mount Royal University in Calgary, offers selected B.Sc. Exercise Science majors the opportunity to pursue an Athletic Therapy Option. These students will attend the University of Lethbridge for Years 1, 2, and 4 of their B.Sc. - Exercise Science degree program. They will complete Year 3 as Visiting Students at Mount Royal University.

For the Athletic Therapy Option, students will complete a set of 10 required courses (30.0 transfer credit hours) at Mount Royal University. These courses will fulfill options in the Exercise Science Major and electives in the B.Sc. degree program.

Eligibility

The articulation agreement provides for a maximum of five University of Lethbridge students per year to undertake the Athletic Therapy Option. Students are selected once per academic year—in May—and must attend Mount Royal University in the following consecutive Fall/Spring semesters.

Selection is based on application to the Department by May 1, eligibility criteria as indicated below, and academic achievement.

The Athletic Therapy Option is available to University of Lethbridge students who are B.Sc. Exercise Science Majors and who meet the following eligibility criteria:

1. Completion of a minimum 10 courses (30.0 credit hours) at the University of Lethbridge in Fall/Spring of the academic year in which application is made. (The Athletic Therapy Option is not available to students with more than 30.0 transfer credit hours or to students who hold an undergraduate degree. Students are bound by the Residence Requirements for the B.Sc.; see **Section 13.a.10, p. 108**.)
2. Third-year standing: minimum 60.0 credit hours completed by May 1 of the year in which the applicant will begin attendance at Mount Royal University in September.
3. Minimum cumulative GPA of 3.00 on minimum 20 courses (60.0 credit hours). (Cumulative GPA refers to the UofL cumulative GPA; for students with transfer credit, grades on transfer courses will be factored in.)
4. Completion of the following courses:
 - ¹ Kinesiology 2350 - Recognition and Care of Athletic Injuries
 Kinesiology 2600 - Functional Human Anatomy
 Kinesiology 2610 - Human Physiology
 Kinesiology 3610 - Exercise Physiology
 Kinesiology 3650 - Biomechanics
 - ¹ Kinesiology 2350 is not required in the Exercise Science Major but is a prerequisite for the Mount Royal University Athletic Therapy program.
5. Minimum competitive GPA in the required Kinesiology courses listed in 4. above.

Interested Exercise Science Majors who meet the above criteria must apply to the Department of Kinesiology and Physical Education by May 1.

Because the capacity at Mount Royal University is limited to five, not all students meeting the general eligibility

requirements will be selected. Selection is competitive and is based on academic achievement as assessed by the Department.

Applicants will be notified of their acceptance by May 15 and advised of registration procedures at that time.

Upon successful completion of the University of Lethbridge B.Sc. in Exercise Science, including the Athletic Therapy Option, students may qualify to receive the Mount Royal University Advanced Certificate - Athletic Therapy. For the Certificate, students must include the following courses in their University of Lethbridge degree program:

One of:

- Kinesiology 3680 - Sport Psychology
- Kinesiology 3780 - Exercise Psychology

One of:

- Physical Activity 2445 - Resistance Training for Health and Performance I
- Physical Activity 3445 - Resistance Training for Health and Performance II

Physical Activity 3605 - Conditioning for Cardiovascular Health

For details on the application process, contact the Department of Kinesiology and Physical Education.

Exercise Science (B.Sc.)
Number of courses required for the Major 20
(Independent Study - Optional; may be counted in required courses for major)

r. 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, 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

One of:

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

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

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

Five additional courses (15.0 credit hours) in French

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 language skills outside of a formal academic environment. Please refer to www.uleth.ca/artsci/modern-languages/departement-modern-languages-placement-policy for more information.

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 placement test results. These courses will count among the five additional courses in French.

It is recommended that students majoring in French complete the French Visiting Student Program. Please refer to www.uleth.ca/artsci/modern-languages/visiting-student-programs-vsp for information on the Visiting Student Program.

French 2250 will not count toward the minimum 15 courses required for this major.

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. For more information see an Academic Advisor in the Student Program Services Office.

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/2013-14/arts_and_science/fren_ba 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)

s. **French/German**

Note: Admission to the Major in French/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

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/department-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-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 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/2013-14/arts_and_science/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

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 Spanish 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.

It is recommended that students majoring in French/Spanish complete either the French or Spanish Visiting Student Program. Please refer to <http://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 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/2013-14/arts_and_science/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. 89**).

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/2013-14/arts_and_science/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 (Liberal Education 3600 may be substituted for one of the courses in Archaeology)
- 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. 90**).

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/2013-14/arts_and_science/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 (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 (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. 89**).

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
- Bachelor of Arts/Bachelor of Management - General Major in the Social Sciences

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/gen_ss_ba for a suggested sequencing plan for the General Major in the Social Sciences in the B.A. program.

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

Number of courses required for the Major. 20

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

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
- Management 2060 - Introduction to Information Technology

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

Notes

¹ 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/2013-14/arts_and_science/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.

Students may not double count 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.A.)	
Number of courses required for the Major	19
<i>(Independent Study - Optional; may be counted in required courses for major)</i>	
Concentration: Geographical Information Science (optional)	
Number of courses required for Concentration	5
Total number of courses required for Major and Concentration	24

y. 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) 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 - Series in Advanced Physical Geography
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/2013-14/arts_and_science/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

z. German

Note: Admission to the Major in German for the B.A. and B.A.Sc. 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 *in German* 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/2013-14/arts_and_science/germ_ba for a suggested sequencing plan for the German major in the B.A. program.

German (B.A.)

Number of courses required for the Major 13

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

aa. 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 1000 - Western Civilization

History 2222 - History in Practice

One of:

History 2001 - Main Themes in Ancient History

History 2100 - Main Themes in Medieval European History

One of:

History 2102 - Early Modern Europe - 1500-1750

History 2150 - The Politics of Europe - 1750-1914

One of:

History 2710 - Canada to 1867

History 2720 - Canada Since 1867

Two of:

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

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

Students who have declared a major in History for the B.A. or B.A.Sc. degree programs must complete History

2222 before enrolment in their first 4000-level course in History at the University of Lethbridge.

The Department strongly advises students intending to pursue graduate studies to take History 4990 or History 4995. 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/2013-14/arts_and_science/hist_ba for a suggested sequencing plan for the History major in the B.A. program.

History (B.A.)

Number of courses required for the Major 13

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

bb. Kinesiology (B.A.)

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.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 2000 - Foundations of Motor Skill Acquisition
Kinesiology 2110 - Biophysical Foundations of Human Movement
Kinesiology 2130 - Humanities Dimensions of Physical Activity Involvement
Kinesiology 2140 - Psychological Dimensions of Physical Activity Involvement
Kinesiology 2150 - Sociological Dimensions of Physical Activity Involvement
Kinesiology 2200 - Research Methodologies in Physical Activity Involvement

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

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

Two courses (3.0 credit hours) in Physical Activity at the 3000/4000 level

Four additional courses (6.0 credit hours) in Physical Activity

Notes

Each Physical Activity course counts as one-half course (1.5 credit hours). Students with a major in Kinesiology may earn credit for a maximum of 10 Physical Activity courses (15.0 credit hours).

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/2013-14/arts_and_science/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 15
(includes six one-half PHAC courses)

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

cc. 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
Kinesiology 1000 - Wellness and Physical Activity
Kinesiology 2200 - Research Methodologies in Physical Activity Involvement
Kinesiology 2600 - Functional Human Anatomy
Kinesiology 2610 - Human Physiology
Kinesiology 3610 - Exercise Physiology
Kinesiology 3630 - Growth, Development and Aging
Kinesiology 3650 - Biomechanics

One of:

- Kinesiology 2130 - Humanities Dimensions of Physical Activity Involvement
- Kinesiology 2140 - Psychological Dimensions of Physical Activity Involvement
- Kinesiology 2150 - Sociological Dimensions of Physical Activity Involvement
- Kinesiology 3640 - Culture of Physical Activity

One of:

- Chemistry 1110 - Chemistry for Life Sciences I

Physics 1000 - Introduction to Physics I OR
Physics 1050 - Introduction to Biophysics

Two of:

One course in introductory statistics
(Psychology 2030 - Methods and Statistics or
Sociology 2130 - Social Statistics I or
Statistics 1770 - Introduction to Probability and
Statistics)

One course in Mathematics at the 1000 level or
higher

One course in Computer Science

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

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

Two courses (3.0 credit hours) in Physical Activity at the
3000/4000 level

Four additional courses (6.0 credit hours) in Physical
Activity

Notes

Each Physical Activity course counts as one-half course
(1.5 credit hours). Students with a major in Kinesiology
may earn credit for a maximum of 10 Physical Activity
courses (15.0 credit hours).

See also:

- Bachelor of Arts - Kinesiology
- Bachelor of Science - Exercise Science

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/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 17
(includes six one-half PHAC courses)**

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

dd. 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

¹ 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

¹ 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/2013-14/arts_and_science/math_bsc for a suggested sequencing
plan for the Mathematics major in the B.Sc. program.

Mathematics (B.Sc.)

**Number of courses required for
the Major 18**

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

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

Required Stream:

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

1. Theory/History Stream

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

One of:

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

One of:

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

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

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

2. General Stream

- 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: 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 University Singers Vox Musica Wind Orchestra Women's Chorus

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/2013-14/arts_and_science/musi_ba_hist 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/2013-14/arts_and_science/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)

ff. 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 Nations' history, art, law, politics, language, literature, and contemporary issues, all taught from a First Nations' perspective. It aims to foster the study of these various dynamics of North American Native culture and to further a deeper awareness of First Nations' issues.

Please refer to the program website (www.uleth.ca/artsci/native-american-studies) 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

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

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/2013-14/arts_and_science/nas_ba for a suggested sequencing plan for the Native American Studies major in the B.A. program.

Native American Studies (B.A.)

Number of courses required for the Major 13

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

gg. 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 Neurobiology

Psychology 2320 - Cognition and Perception: Thinking and Seeing

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 Neurobiology

One of:

Philosophy 2220 - Philosophy of Mind

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

¹Philosophy 3270 - Theory of Knowledge

¹Philosophy 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

²Neuroscience 4995 - Undergraduate Thesis

One of:

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

One of:

Psychology 2030 - Methods and Statistics
Statistics 1770 - Introduction to Probability and Statistics

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. 90**).

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. 90**)

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 neurosciences 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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/neur_bsc for a suggested sequencing plan for the Neuroscience major in the B.Sc. program.

Neuroscience (B.Sc.)
Number of courses required for the Major 22
(Independent Study - Optional; may be counted in required courses for major)

hh. 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 2111 - Introduction to Value Theory
Philosophy 3401 - Social and Political Philosophy
Philosophy 3410 - Advanced Ethics

One of (Philosophy of Values):

Philosophy 2150 - Philosophy of Art
Philosophy 2235 - Philosophy of Feminism
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 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/2013-14/arts_and_science/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 B.A.Sc. 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 2235 - Philosophy of Feminism
 Philosophy 2236 - Environmental Philosophy
 Philosophy 3402 - Biomedical Ethics
 Philosophy 3410 - Advanced Ethics
 Philosophy 3411 - Game Theory in Philosophy
 Philosophy 3450 - Philosophy of War
 Philosophy 3460 - Philosophy of Peace

One of:

- Management 3010 - Management Law
¹ Native American Studies 2100 - Aboriginal Peoples and Law
² Political Science 3241 - Canadian Constitutional Law I: The Structures and Powers
² Political Science 3242 - Canadian Constitutional Law II: The Charter
² Political Science 3243 - Courts, Law, and Politics in Canada
³ 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.

Philosophy (B.A.)

Number of courses required for the Major 13

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

Concentration: Legal Reasoning (optional)

Number of courses required for Concentration 5

Total number of courses required for Major and Concentration 18

ii. 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 3900 - 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/2013-14/arts_and_science/phys_bsc for a suggested sequencing plan for the Physics major in the B.Sc. program.

Physics (B.Sc.)

Number of courses required for the Major 26

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

jj. 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/2013-14/arts_and_science/poli_ba for a suggested sequencing plan for the Political Science major in the B.A. program.

Political Science (B.A.)

Number of courses required for the Major 13

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

kk. 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 2030 - Methods and Statistics

- Four courses (12.0 credit hours) in Psychology or Neuroscience at the 2000 level
- Six courses (18.0 credit hours) in Psychology or Neuroscience at the 3000/4000 level
- One course (3.0 credit hours) in Psychology at the 4000 level

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 3605, 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/2013-14/arts_and_science/psyc_ba_bsc for a suggested sequencing plan for the Psychology major in the B.A. or B.Sc. program.

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

Number of courses required for the Major 13

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

II. 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 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 additional course in Religious Studies at the 2000 level selected from Eastern or Western Religions.

Three of:

- Religious Studies 3000 - Studies in Religious Traditions (Series)
- Religious Studies 3100 - Studies in Indian Religion (Series)
- Religious Studies 3300 - Studies in East Asian Religions (Series)
- Religious Studies 3400 - Studies in Judaism (Series)
- Religious Studies 3501 - Studies in Christianity (Series)
- Religious Studies 3600 - Studies in the Islamic Tradition (Series)
- 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 Independent Study course in Religious Studies at the 3000/4000 level

¹ **One of:**

- Anthropology 3500 - Ritual, Practice, and Performance
- Anthropology 3550 - Anthropology of Religion
- Archaeology 3171 - Ancient Israel
- History 3007 - Greek and Roman Mythology
- History 3402 - The Reformation
- 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
- Sociology 3330 - Sociology of Religion

Notes

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

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/2013-14/arts_and_science/rels_ba for a suggested sequencing plan for the Religious Studies major in the B.A. program.

Religious Studies (B.A.)**Number of courses required for the Major 10***(Independent Study - Required in major)***mm. 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

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/rmsn_bsc for a suggested sequencing plan for the Remote Sensing major in the B.Sc. program.

Remote Sensing (B.Sc.)**Number of courses required for the Major 21***(Independent Study - Optional; may not be counted in required courses for major)***nn. 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 2100 - Research Methodology
 Sociology 2130 - Social Statistics I
 Sociology 2200 - Classical Sociological Theory
 Sociology 2210 - Contemporary Sociological Theory
 Sociology 3130 - Social Statistics II

One of:

Sociology 3110 - Survey Research
 Sociology 3120 - Qualitative Research Methods

One of:

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

¹ Two of:

Sociology 4200 - Seminar in Classical Sociological Theory
 Sociology 4210 - Seminar in Contemporary Sociological Theory
 Sociology 4850 - Topics course

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

Notes

¹ More than one Topics course (Sociology 4850) may be used to satisfy this requirement. The content, as identified by the title, must be different in the two offerings.

It is recommended that Sociology 2100, Sociology 2130, Sociology 2200, Sociology 2210, and either Writing 1000 or an English course be taken during the first two years of study.

Recommended courses for students interested in graduate studies:

- Sociology 3110 - Survey Research
- Sociology 3120 - Qualitative Research Methods
- Sociology 4200 - Seminar in Classical Sociological Theory
- Sociology 4210 - Seminar in Contemporary Sociological Theory

Students intending to major in Sociology or contemplating some measure of concentration in the discipline should plan their programs in consultation with the Departmental Advisor.

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/2013-14/arts_and_science/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 14

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

oo. 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
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 (I) clearly

related to Urban and Regional Studies, (2) multidisciplinary, and (3) approved by the Urban and Regional Studies Coordinator.

¹ 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 3100 - Series on Regional Ethnography
- 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 3900/Management 3721 - Economic and Business Forecasting
- Economics 3950 - Econometrics

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 - Series in Advanced Economic Geography
- Geography 4240 - Series in Advanced Urban Geography
- 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 2020 - Social Problems
- Sociology 2200 - Classical Sociological Theory
- Sociology 2210 - Contemporary Sociological Theory
- Sociology 2600 - The Individual and Society
- Sociology 3050 - Sociology of Race and Ethnicity
- Sociology 4200 - Seminar in Classical Sociological Theory
- Sociology 4210 - Seminar in Contemporary Sociological Theory

Notes

¹ 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/2013-14/arts_and_science/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
<i>(Independent Study - Required in major)</i>	

pp. 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/2013-14/arts_and_science/wgst_ba for a suggested sequencing plan for the Women and Gender Studies major in the B.A. program.

Women and Gender Studies (B.A.)

Number of courses required for the Major 13

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

qq. 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 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.

rr. 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 Assistant Dean (Curriculum) of Arts and Science. 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 Assistant Dean (Curriculum) and composed of the student and faculty representatives, appointed by their departments, from at least two appropriate departments chosen by the Assistant Dean (Curriculum) of Arts and Science.

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 Assistant Dean (Curriculum) of Arts and Science.

16. 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 (BASc.) 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 BASc. as second degree.

Note: 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.

No more than one Independent Study (2990, 3990, 4990) or Applied Studies (2980, 3980, 4980) course may be counted towards the minor.

No more than two courses from any one discipline may be counted among the six courses required for the Asian Studies minor.

No more than two Asian language courses may be counted among the six courses required for the Asian Studies minor.

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 the major in Computer 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. French

The minor in French is available as an adjunct to all majors in the B.A., B.Sc., and BASc. 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.

d. 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 B.A.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.

e. History

The minor in History is available as an adjunct to all majors in the B.A., B.Sc., and B.A.Sc. except the major in History and the General Major in the Humanities if History is chosen as one of the disciplinary streams.

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.

f. Japanese

The minor in Japanese is available as an adjunct to all majors in the B.A., B.Sc., and B.A.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.

g. Linguistics

The minor in Linguistics is available as an adjunct to all majors in the B.A., B.Sc., and B.A.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 II

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.

h. Philosophy

The minor in Philosophy is available as an adjunct to all majors in the B.A., B.Sc., and B.A.Sc. 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.

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.

i. 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:

Six courses (18.0 credit hours) in Religious Studies, including at least one Religious Studies course (3.0 credit hours) at the 3000/4000 level, as follows:

Religious Studies 1000 - Introduction to World Religions

Eastern Religions

One of:

- Religious Studies 2100 - The Hindu Tradition
- Religious Studies 2200 - The Buddhist Tradition
- Religious Studies 2300 - East Asian Religions

Western Religions

One of:

- Religious Studies 2400 - Judaism
- Religious Studies 2450 - Bible Survey
- Religious Studies 2500 - Christianity
- Religious Studies 2600 - Islam

¹ One of:

- Religious Studies 2001 - Studying Religion Critically
- Religious Studies 3000 - Studies in Religious Traditions (Series)
- Religious Studies 4000 - Seminars in Religious Studies (Series)
- Religious Studies 4001 - Concepts and Methods in the Study of Religion

¹ A maximum of one course from this list may be used towards the Minor in Religious Studies

Two additional courses in Religious Studies

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.

j. 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.

No more than one Independent Study (Spanish 2990, 3990, 4990) or Applied Studies (Spanish 2980, 3980, 4980) course may be counted towards the minor.

k. 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

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.

17. 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 Geography with a Concentration 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

c. Concentration in Legal Reasoning

- Major in Philosophy (B.A. or BASc.)

Required courses for the Concentrations can be found in **Section 15 (Majors)** along with the requirements for the given major or in **Section 21** where requirements for each Post-Diploma Program are outlined.

18. 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. See **Part 13 - Combined Degrees**, for complete information.

19. 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. 88**).
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 taken at the University of Lethbridge after admission to the second degree program.
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 majors(s) must be declared at the time of program approval. Please see **pp. 107-108** 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. 127-128** for more information on the General Majors.

20. B.A. or B.Sc. AFTER TRANSFER TO A PROFESSIONAL FACULTY

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.

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 of Arts and Science by the time they have completed 15 courses.

21. 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.

1. General Requirements

- a. Successful completion of at least 20 courses with a cumulative grade point average of at least 2.00.
- b. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- c. At least 13 Arts and Science courses not from the list Science Courses (i.e., at least 13 non-science courses).
- d. 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. 73**).
- e. At least six courses at the 3000/4000 level, excluding Activity courses.
- f. Not more than two Independent Study courses may be taken for credit toward the degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

- g. Completion of all course requirements as specified in 2. below.

2. Course Requirements

Students must complete a total of 20 courses, including a Required Core of 12 courses and 8 courses to satisfy either the General Stream or the Agricultural Economics Stream. Students with an interest in graduate study in Agriculture should choose the Agricultural Economics 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.

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

¹ 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
 Philosophy 1000 - Introduction to Philosophy
 Religious Studies 1000 - Introduction to World Religions

One additional course from List I (Fine Arts and Humanities Courses)

¹ Students in the General Stream who complete either Philosophy 2001 or Philosophy 2236 must select an additional 3000/4000-level Arts and Science course.

Students must choose one of the following streams, each consisting of 8 courses:

General Stream (8 courses)

Any four additional courses from List I (Fine Arts and Humanities Courses) and List II (Social

Science Courses), including at least two courses at the 3000/4000 level

Any four additional Arts and Science courses

Agricultural Economics Stream (8 courses)

Economics 1012 - Introduction to Macroeconomics
 Economics 3010 - Intermediate Microeconomic Theory
 Economics 3012 - Intermediate Macroeconomic Theory
 Economics 4300 - Agricultural Policy II

Any two additional courses at the 3000/4000 level from List I (Fine Arts and Humanities Courses) and List II (Social Science Courses)

¹ Any two additional Arts and Science courses

¹ Students with an interest in graduate study in Agriculture or recognition in professional societies should select their additional courses from Economics (3000/4000 level).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/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/2013-14/arts_and_science/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.

3. Concentration: Agricultural Business (Optional)

Students in the Post-Diploma B.A. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.

In addition to the minimum 20 courses required for this degree program, students must complete a minimum of FIVE courses for the Concentration in Agricultural Business as follows:

- a. For holders of diplomas other than diplomas in Agribusiness, the required courses include:
 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

¹ Political Science 3420/Management 3050 - Human Resource Management

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).

- b. For holders of diplomas in Agribusiness, the required courses include:

¹ Management 3040 - Finance

One of:

- Management 3470 - Corporate Finance
- ² Management 4230 - Marketing Management

Three of:

- Economics 3030 - Managerial Economics
- Economics 3080/Management 3780 - Principles of Industrial Organization
- Management 3061 - Information Systems and Management
- ³ Management 3210 - Consumer Behaviour
- Management 4220 - Cross-Cultural Marketing
- Political Science 2210 - Canadian Politics and Government

¹ Has prerequisite: Students completing the General Stream should choose Economics 1012.

² Has prerequisite: Management 3220.

³ Has prerequisite: One of Writing 1000 or a university English course (3.0 credit hours).

Note: Students who hold diplomas in Agribusiness may not receive credit for Management 1000, Management 2020, Management 2030, Management 2060, or Management 2400 at the University of Lethbridge.

Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for the General Liberal Education core and either the General Stream or Agricultural Economics stream for the degree program. In such cases, students must select List II courses and Arts and Science electives which are not required for the Concentration in Agricultural Business.

For students who complete, in addition to the minimum 20 courses for this B.A. degree program, all five courses (as specified in **a.** or **b.** above), the Concentration in Agricultural Business will be acknowledged on the official transcript.

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.

I. General Requirements

- a. Successful completion of at least 20 courses with a cumulative grade point average of at least 2.00.
- b. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- c. At least 10 Arts and Science courses from the list Science Courses.
- d. 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. 73**).

- e. At least six courses at the 3000/4000 level, excluding Activity courses.
- f. Not more than two Independent Study courses may be taken for credit toward the degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).
- g. Completion of all course requirements as specified in **2.** below.

2. Course Requirements

Students must complete a total of 20 courses, including a Required Core of 12 courses and 8 courses to satisfy either the Biological Sciences Stream or 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.

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
- ¹ 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
- Philosophy 1000 - Introduction to Philosophy
- Religious Studies 1000 - Introduction to World Religions

One additional course from List I (Fine Arts and Humanities Courses)

¹ Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210.

Students must choose one of the following streams, each consisting of 8 courses:

Biological Sciences Stream (8 courses)

- Biology 2000 - Principles of Genetics
- Biology 2200 - Principles of Ecology

Chemistry 1110 - Chemistry for Life Sciences I
Chemistry 2120 - Chemistry for Life Sciences II

Four of:

- Biology 3000 - Gene Expression and Regulation
- Biology 3105 - Signal Transduction
- ¹Biology 3310 - Developmental Biology
- Biology 3400 - Principles of Microbiology
- Biology 3420 - Animal Physiology
- Biology 3460 - Plant Physiology
- Biology 3520 - Invertebrate Zoology
- Biology 3530 - Vertebrate Zoology
- Biology 3560 - Integrative Plant Biology
- ²Biology 3610 - Prairie Conservation
- Biology 3700 - Ecosystem and Community Ecology
- Biology 4100 - Advances in Agricultural Biotechnology
- ³Biology 4170 - Plant Biotechnology
- Biology 4560 - Plant Development
- ¹Prerequisite required: Biochemistry 2000.
- ²Prerequisite required: Environmental Science 2000.
- ³Prerequisite required: Biology 3210.

Note: Students choosing to complete courses in the Biological Sciences Stream that require additional prerequisites will need to complete more than the minimum 20 courses for the Post-Diploma B.Sc.

Note: Students may count Special Topics courses (i.e., Biology 3850 and Biology 4850) towards the Biological Sciences Stream provided:

1. They are clearly related to the Stream; and,
2. They are approved by the Coordinator of Agricultural Studies.

Note: Students may include a maximum of two Special Topics courses in their degree program.

Geography Stream (8 courses)

- Environmental Science 2000 - Fundamentals of Environmental Science
- ¹Geography 2300 - Weather and Climate
- ¹Geography 2700 - Geographical Data and Analysis
- ¹Geography 2735 - Introduction to Geographical Information Science
- Geography 3075 - Environmental Resources Management
- Geography 3080 - Soils
- 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

¹ Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite—Geography 1000—for Geography 2300, Geography 2700, and Geography 2735.

Note: Students may count Special Topics courses (i.e., Geography 3850 and Geography 4850) towards the Geography stream provided:

1. They are clearly related to the stream; and,

2. They are approved by the Coordinator of Agricultural Studies.

Note: Students wishing to pursue the Concentration in Geographical Information Science must complete Geography 2735 among the eight courses required in the Geography Stream.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/agst_bsc_pd for a suggested sequencing plan for the Agricultural Studies major in the Post-Diploma B.Sc. program.

3. Concentration: Agricultural Business (Optional)

Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.

In addition to the minimum of 20 courses required for this degree program, students must complete a minimum of FIVE courses for the Concentration in Agricultural Business as follows:

- a. For holders of diplomas other than diplomas in Agribusiness, the required courses include:

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

- ¹ Political Science 3420/Management 3050 - Human Resource Management

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).

- b. For holders of diplomas in Agribusiness, the required courses include:

- ¹ Management 3040 - Finance

One of:

² Management 3470 - Corporate Finance
³ Management 4230 - Marketing Management

Three of:

Economics 3030 - Managerial Economics
Economics 3080/Management 3780 - Principles of Industrial Organization I
Management 3061 - Information Systems and Management
⁴ Management 3210 - Consumer Behaviour
Management 4220 - Cross-Cultural Marketing
Political Science 2210 - Canadian Politics and Government

¹ Has prerequisite: Economics 1012.

² Has corequisite: One of Economics 2900 or Statistics 2780.

³ Has prerequisite: Management 3220 (which requires one of Economics 2900 or Statistics 2780).

⁴ One of Writing 1000 or a university English course (3.0 credit hours).

Note: Students who hold diplomas in Agribusiness may not receive credit for Management 1000, Management 2020, Management 2030, Management 2060, or Management 2400 at the University of Lethbridge.

Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for the General Liberal Education core. Students must select a List II course that is not required for the Concentration in Agricultural Business.

For students who complete, in addition to the minimum 20 courses for this B.Sc. degree program, all five courses (as specified in **a.** or **b.** above), the Concentration in Agricultural Business will be acknowledged on the official transcript.

4. 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

Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Geography Stream. In such cases, students must select another option from the Geography Stream.

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.

c. 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.

I. General Requirements

- Successful completion of at least 20 courses with a cumulative grade point average of at least 2.00.
- Completion of eight courses from Lists I and II for the General Liberal Education Requirement (see **p. 29Part 4 - Academic Regulations, Section 10, p. 88**) as follows:
 - at least four courses from List I: Fine Arts and Humanities courses; and,
 - at least four courses from List II: Social Science courses.

- at least one of these eight courses must be at the 2000 level or higher.

Note: List III: Science Courses will be satisfied via the major requirements listed in 2., below.

- At least 12 courses for the Computer Science major requirements (see **2.** below).
- 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. 73**).
- Not more than two Independent Study courses may be taken for credit toward the degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

2. Major Requirements

The Department of Mathematics and Computer Science offers courses in Computer Science, Mathematics and Statistics. The curriculum for the post-diploma B.Sc. in Computer Science is designed to offer complementary training in Computer Science to students with previous technical training. In approving the college diploma, the Department is implicitly acknowledging that students have completed the equivalent of Computer Science 1620, Computer Science 2610, and Computer Science 2620 as part of their diploma program.

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

Six 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). One of the additional 3000-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

Note: Students may find that their diploma courses may overlap in content 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/2013-14/arts_and_science/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.

1. General Requirements

- Successful completion of at least 20 courses with a cumulative grade point average of at least 2.00.
- Completion of five courses from Lists I and II for the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**) as follows:
 - at least three courses from List I: Fine Arts and Humanities courses; and,
 - at least one course from List II: Social Science courses.
- At least 14 courses for the Environmental Science major requirements (see **2.** below).
- At least one further course at the 3000/4000 level.
- Not more than two Independent Study courses may be taken for credit toward the degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).
- Not more than one course that is not an Arts and Science course may be taken for credit toward the degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

2. Major Requirements

The Departments of Biological Sciences and Geography jointly offer instruction leading to the post-diploma major in Environmental Science. The curriculum for the post-diploma B.Sc. in Environmental Science is designed to provide complementary training in both biological sciences and geography to students with previous technical training.

Required courses:

A minimum of 14 courses, including 10 courses in Biology and Geography and one in Environmental Science as follows:

Biology 1010 - Cellular Basis of Life
Biology 2000 - Principles of Genetics

Two 3000- or 4000-level Biology courses, 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 15.h. (p. 116)**

One of:

Biology 3300 - Evolution

or

A 3000- or 4000-level Biology course chosen from the Biological Sciences Department's List 3 (Ecology and Evolutionary Biology), see **Section 15.h. (p. 116)**

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

Two 3000- or 4000-level Geography or Geology courses, with a Science designation (see **List III: Science Courses, p. 90**)

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, Biology 2200, Geography 1000, Geography 2735, Geography 3080, and Geology 2060.

Three additional courses as follows:

Two lab-based courses in Chemistry at or above the 1000 level (preferably Chemistry 1110 - Chemistry for Life Sciences I and Chemistry 2120 - Chemistry for Life Sciences II)

One of:

Physics 1050 - Introduction to Biophysics
Statistics 1770 - Introduction to Probability and Statistics

Majors are advised to take one Independent Study or Applied Studies course.

Note: Students who have completed another approved college diploma from a college other than Lethbridge College should consult the Program Coordinator for Environmental Science concerning possible adjustments to the above program requirements.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/envs_bsc_pd for a suggested sequencing plan for the Environmental Science major in the Post-Diploma B.Sc. program.

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** for a list of colleges with approved diplomas; website: www.uleth.ca/postdiploma.

I. General Requirements

- a. Successful completion of at least 20 courses (as indicated below) with a cumulative grade point average of at least 2.00.
- b. Completion of five courses from Lists I and II for the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**) as follows:
 - at least three courses from List I: Fine Arts and Humanities Courses;
 - at least one course from List II: Social Science Courses; and
 - one additional course from List I or II.
- c. At least 14 courses for the Geography major with a Concentration in Geographical Information Science, as listed in **2.** below.
- d. One additional course at the 3000/4000 level.

2. Major Requirements

Students must complete 14 courses as follows:

Required courses:

Computer Science 1620 - Fundamentals of Programming I
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 2030 - Geomorphology
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

Two additional courses in Geography, Geology or Archaeology at the 3000 or 4000 level, with a Science designation, at least one of which must be taken at the 4000 level.

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

For students who complete all requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

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/2013-14/arts_and_science/geog_gis_bsc_pd for a suggested sequencing plan for the Geography major, with a Concentration in GIS, in the Post-Diploma B.Sc. program.

22. 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-Engineering 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.

	University of Transfer	U of L Program of Admission	Year of Program	First Major
Dentistry	Alberta	B.Sc.	1, 2, 3, 4	Agricultural Biotechnology/ Biochemistry/ Biological Sciences/ Chemistry/ Neuroscience
Engineering	Alberta	Pre-Engineering	I	n/a
Journalism	Regina	B.A.	1, 2, 3, 4	B.A. majors
Law	Alberta	B.A.	1, 2, 3, 4	B.A. majors
Law	Calgary	B.A.	1, 2, 3, 4	B.A. majors
Medicine	Alberta	B.Sc.	1, 2, 3, 4	Agricultural Biotechnology/ Biochemistry/ Biological Sciences/ Chemistry/ Neuroscience
Medicine	Calgary	B.Sc.	1, 2, 3, 4	B.Sc. majors
Social Work ¹	Calgary	B.A.	1, 2, 3, 4	B.A. majors
Veterinary Medicine	Saskatchewan	B.Sc.	1, 2, 3, 4	Agricultural Biotechnology/ Biochemistry/ Biological Sciences/ Chemistry/ Neuroscience

¹ 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.

For information about the B.A. or B.Sc. after transfer to a professional faculty, see **Section 20, p. 147**.

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 13** and **15** 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

The basic requirement for admission to the Dentistry program is 20 courses (60.0 credit hours), including 6.0 credit hours in each of the following:

- Biology
- English
- General Chemistry
- Organic Chemistry
- Physics

In addition, 3.0 credit hours in each of the following is required:

- Biochemistry
- Statistics

For detailed information about the Dentistry program at the University of Alberta, 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 **Dentistry Enclosure**.

b. Engineering (Alberta)

Note: The Engineering transfer program with the University of Alberta is currently under review at the University of Lethbridge. New students will not be admitted for the 2013/2014 academic year. Please contact Arts and Science Student Program Services for further information.

Students with an academic objective of Engineering must apply to the pre-Engineering program.

10 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 2000 - Engineering Statics
- Engineering 2060 - Engineering Mechanics
- 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

A minimum GPA of 2.50 is required for guaranteed admission into the 2nd 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 10 courses in two successive semesters.

In addition to the above, applicants are expected to have completed the following senior high school courses:

- Chemistry 30
- English Language Arts 30-I
- Mathematics 30-I or Pure Mathematics 30
- Mathematics 3I
- Physics 30

Suggested Timetable

Fall

Chemistry 1000
Computer Science 1620
Engineering 2000
Mathematics 1560
Elective

Spring

Chemistry 2000
Engineering 2060
Mathematics 1410
Mathematics 2560
Physics 2130

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)**.

The University of Lethbridge does not have a formal transfer agreement for Engineering at the University of Calgary. Students interested in applying for admission to the Faculty of Engineering, the University of Calgary, should contact the Faculty directly.

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 12 and 15** 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

One of:

English 2000 - Survey of Canadian Literature
English 2100 - Poetry
English 2200 - Drama
English 2300 - Prose Fiction
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

Two courses in a language other than English (both must be in the same language at the 1000 level or higher), chosen from:

French
German
Japanese
Spanish

One of:

Logic 1000 - Critical Thinking
Mathematics 1410 - Elementary Linear Algebra
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

One of:

Art History/Museum Studies 1000 - Introduction to Art

Drama 1000 - Introduction to Dramatic Arts
Music 1000 - Introduction to Music

One of:

Linguistics 2300 - Introduction to Linguistics I:
Phonetics and Phonology
Philosophy 1000 - Introduction to Philosophy
Religious Studies 1000 - Introduction to World Religions
Women and Gender Studies 1000 - Knowing Bodies:
An Introduction to Women and Gender Studies
Additional English course
Additional language course

Three of:

Economics 1010 - Introduction to Microeconomics
OR Economics 1012 - Introduction to Macroeconomics
*History 2710 - Canada to 1867 OR
*History 2720 - Canada Since 1867
*Political Science 2210 - Canadian Politics and Government
*Sociology 3390 - Sociology of Mass Communication
*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 12 and 15** 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 12** and **15** 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 13** and **15** 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 the Program Planning Guide for the B.Sc. - 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 13** and **15** 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 12** and **15** 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.

Part 8

FACULTY OF EDUCATION

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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.

I. 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 in students an understanding of subject matter to be taught and the means to transform that content for teaching-learning purposes;
- 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 B.Ed. 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 person who has been convicted of an indictable offence in Canada or an equivalent conviction in a jurisdiction outside Canada; or
- 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.

I. 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
- Post-Diploma Bachelor of Fine Arts (Art) and Bachelor of Education
- Bachelor of Fine Arts (Dramatic Arts) and Bachelor of Education

- Post-Diploma Bachelor of Fine Arts (Dramatic Arts) and Bachelor of Education
- Bachelor of Management and Bachelor of Education
- Post-Diploma Bachelor of Management 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 4.a.2. Admission to the After Degree Program, p. 160**).

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 B.Ed. 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 B.Ed. 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 5.b.1. Teaching Majors, p. 162**).

- b. A minimum cumulative grade point average of 2.50 out of 4.0 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.

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. 170**.

4. Master of Education

A 12-course M.Ed. program for degree holders with educational experience (see the **University of Lethbridge 2013/2014 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 2013/2014 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 I - Admission, p. 25**.

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.

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. 238**
- Bachelor of Science/Bachelor of Education, **p. 238**
- Bachelor of Management/Bachelor of Education, **p. 268**
- Bachelor of Fine Arts (Art)/Bachelor of Education, **p. 260**
- Bachelor of Fine Arts (Dramatic Arts)/Bachelor of Education, **p. 263**
- Bachelor of Music/Bachelor of Education, **p. 265**
- Post-Diploma Bachelor of Fine Arts (Art)/Bachelor of Education, **p. 289**
- Post-Diploma Bachelor of Fine Arts (Dramatic Arts)/Bachelor of Education, **p. 289**
- Post-Diploma Bachelor of Music/Bachelor of Education, **p. 289**
- Post-Diploma Bachelor of Management/Bachelor of Education, **p. 293**

For information regarding readmission after withdrawal, see **Section 6.b.1.1. Readmission After Withdrawal, p. 164**.

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 4.0 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.
- c. A minimum cumulative grade point average of 2.50 out of 4.0 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. 163**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of ‘B’ (3.00 on a 4.0 scale) or higher in Writing 1000
 - obtaining a grade of ‘B’ (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
- 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 4.0 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 and/or GPA in the major of less than 2.50 but equal to or greater than 2.00, 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 3 years of study in the Faculties of Arts & Science, Fine Arts, or Management together with 2 years of study in the Faculty of Education. The B.Ed. after an Approved Degree program is generally comprised of 2 years of study in the Faculty of Education.

a. Degrees Combined with the Bachelor of Education

I. 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, French/German, or French/Spanish)
- Music Education
- Native Education
- Physical Education
- Science Education
- Social Studies Education

For a full description of these majors and sample programs, please consult **Part 13 - Combined Degrees, p. 240**.

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. 260
- Post-Diploma B.F.A. (Art)/B.Ed.*, p. 289

Career and Technologies Studies: Business Focus

- B.Mgt./B.Ed., p. 268
- Post-Diploma B.Mgt./B.Ed.*, p. 293

Drama Education

- B.F.A. (Dramatic Arts)/B.Ed., p. 263
- Post-Diploma B.F.A. (Dramatic Arts)/B.Ed.*, p. 289

Music Education

- B.Mus./B.Ed., p. 265
- Post-Diploma B.Mus./B.Ed.*, p. 289

*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. 166)** 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 Focus
- Drama Education
- English Language Arts Education
- Mathematics Education
- Modern Languages Education (French, German, or Spanish)
- Music Education
- Physical Education
- Science Education
- Social Studies Education

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. 166)**, 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. 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. 170)** 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 11 Education majors accepted in the B.Ed. After Degree program:

- Art Education
- Career and Technology Studies (CTS): Business 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. 166)** 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 Focus
- Drama Education
- English Language Arts Education
- Mathematics Education
- Modern Languages Education (French, German, or Spanish)
- Music Education
- Physical Education
- Science Education
- Social Studies Education

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. 166)** 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. 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. 170)** for information on Education Specialization Requirements.
5. Sample Program
Please refer to **page 172**.

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 3.80 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 of 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 semester courses (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 I-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; or
- 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 UofL 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 6.a, p. 163**). 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

- 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.
- Professional Semester I and II placements will only be made within Zone 6.
- 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 she or he attended as a pupil.
- h. Placements in Professional Semesters I and II will differ by a minimum of 3 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). 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. 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 co-operating 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 2501, 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 (AH154; 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 2.c, Exceeding Course Limits, p. 73**). 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 are urged to seek advice from Student Program Services in the Faculty of Education regarding appropriate course choice, including the related Education course.

Note: For Native Education majors, the minor includes seven non-Education courses in a school subject and an appropriate Education methods course (refer to **Section 5.a.3. Minors for Native Education Majors, p. 162**).

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

c. Career and Technology Studies (CTS) Minors

Students may complete up to two Career and Technology Studies (CTS) 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 in a different focus.

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 degrees.

I. 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 Symbiotic Interactions
- 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 2030 - Geomorphology
- *Geography 2300 - Weather and Climate
- Geography 2535 - Introduction to Planning
- *Geography 2735 - 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 2060 - Introduction to Information Technology
- *Management 3210 - Consumer Behaviour
- *Management 3370 - Strategic Career Management
- *Management 3862 - E-commerce Management
- *Management 4380 - Management Issues in Information Systems

*Has prerequisite

**Has prerequisite which may be used to complete the requirements of the minor

2. Career and Technology Studies (CTS): Business Focus

Required courses:

Management 2060 - Introduction to Information Technology

Management 2100 - Introductory Accounting

One of:

Management 2030 - Introduction to Organizational Behaviour

Management 3080 - Managerial Skill Development

Two 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 - Printmaking II

** Art 3007 - Printmaking III

** 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 ¹

Fine Arts 4850 - Topics in Fine Arts ¹

* Management 2030 - Introduction to Organizational Behaviour

Management 2060 - Introduction to Information Technology

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 - Series on Social and Cultural Organization

Biochemistry 2300 - Elements of Human Nutrition

** Biology 2003/Health Sciences 2003 - Epidemiology: The Ecology of Health and Disease

Chemistry 1110 - Chemistry for Life Sciences I

** Chemistry 2120 - Chemistry for Life Sciences II
Environmental Science 2000 - Fundamentals of Environmental Science

Kinesiology 1000 - Wellness and Physical Activity

Kinesiology 2000 - Foundations of Motor Skill Acquisition

Kinesiology 2110 - Biophysical Foundations of Human Movement

Kinesiology 2130 - Humanities Dimensions of Physical Activity Involvement

Kinesiology 2140 - Psychological Dimensions of Physical Activity Involvement

Kinesiology 2150 - Sociological Dimensions of Physical Activity Involvement

Kinesiology 2520 - Contemporary Health Issues

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 2020 - Social Problems

** Sociology 2410 - Sociology of Gender

** 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 OR Management 2060 - Introduction to Information Technology
- 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 3862 - E-commerce Management

* Has prerequisite

** 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 OR Management 2060 - Introduction to Information Technology
- * 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 3210 - 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 3370 - Strategic Career Management

** Management 3862 - E-commerce Management

* Management 4380 - Management Issues in Information Systems

* 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

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
 Kinesiology 2000 - Foundations of Motor Skill Acquisition

One of:

Kinesiology 2110 - Biophysical Foundations of Human Movement
 Kinesiology 2600 - Functional Human Anatomy

One of:

*Kinesiology 3300 - Leadership Skills Development
 *Kinesiology 4620 - Leadership and Management of Kinesiology, Sport and Recreation

One additional Kinesiology course or two Physical Activity courses

**Has prerequisite which may be used to complete the requirements of the minor*

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
 Biology
 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
 Biology
 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.

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
 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 I (Computer Art)
 Art 3061 - Media Arts II (Video Sketchbook)
 *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

Education 4769 - Educational Issues in Communication Technologies (Series)
 Education 4950 - Professional Development Topics (with a technology focus)
 Education 4980 - Applied Studies (with a technology focus)
 Education 4990 - Independent Study (with a technology focus)
 Management 2060 - Introduction to Information Technology OR Computer Science 1000 - Introduction to Computer Science
 Management 3061 - Information Systems and Management
 Management 3862 - E-commerce Management
 Music 2500 - Introduction to Music Technology
 New Media 1000 - Introduction to New Media
 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).

9. DIPLOMA PROGRAMS IN EDUCATION (D.P.E.)

The Diploma Programs in Education are designed for certified practising 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:

- Evidence of professional teaching certification (or its equivalent) in Alberta (or its equivalent).
- one previous course in special or inclusive education.

2. Program Requirements

- The program consists of the successful completion of eight semester courses (24.0 credit hours) as follows:

Required courses:

Education 4702 - Individualizing Instruction in the Regular Classroom
 Education 4703 - Assessment for Individualized Educational Programming

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:

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)
 Education 4760 - Communication Technologies in the Curriculum OR
 Education 4762 - Problem Solving with Communication Technologies
 Education 4783 - Culturally Different Students

Appropriate courses approved by the Assistant Dean, Student Program Services in the Faculty of Education, in consultation with an appropriate faculty advisor

- b. Students must maintain a minimum program grade point average of 3.00.

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.

3. Academic Policies and Regulations

- a. Prior to completing the diploma, and if accepted into the Master of Education program, students may apply to have courses transferred into the M.Ed. program. Students apply to the Assistant Dean of Graduate Studies and Research in the Faculty of Education who decides which courses transfer. Admission to the Master of Education program is not guaranteed.
- b. Prior to completing the Master of Education degree, students may apply to have courses transferred into a Student Initiated Diploma Program. Students apply to the Assistant Dean, Student Program Services in the Faculty of Education.
- c. Residence Requirement: A minimum of 15.0 credit hours must be completed at the University of Lethbridge.
- d. Permission may be given by the Assistant Dean, Student Program Services in the Faculty of Education, for the inclusion of credit for courses at other levels.
- e. 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 prior approval is granted by the Assistant Dean, Student Program Services in the Faculty of Education.
- f. 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.
- g. Students are required to complete their entire program within five years from the date of admission. Students who fail to complete the

Sample B.Ed. After an Approved Degree Program - 20 Courses

30+	<p>An acceptable baccalaureate degree which includes:</p> <ul style="list-style-type: none"> • A major in a school subject • A minimum cumulative GPA of 2.50 out of 4.0 calculated on all UofL and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours) • A minimum cumulative GPA of 2.50 on all courses comprising the major <p>*Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) and a favourable recommendation Completion of the Writing Proficiency Requirement Special Admission Requirements for majors in Drama Education, Music Education, Native Education, and Physical Education</p>
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Admission to the Faculty of Education

Professional Year I

Fall Semester	
5	<p>Professional Semester I (PS I):</p> <p>Curriculum and Instruction Educational Psychology Language in Education Evaluation of Learning Teaching Seminar Communications Technology and Education Practicum - Equivalent to 125 hours in a school</p>

Spring Semester	
5	<p>Professional Semester II (PS II):</p> <p>Principles of Curriculum and Instruction for Majors The Educational Psychology of Exceptional Learners Social Context of Schooling Evaluation of Student Learning Practicum - Equivalent to 150 hours in a school Plus a weekly 'Seminar in Teaching' component</p>

Professional Year II

Fall Semester	
5	<p>Professional Semester III (PS III):</p> <p>This is the internship semester for secondary subject-based majors and special focus students (excluding Special/Inclusive Education)** Internship: September-December, as arranged Students teach approximately half time Academic components designed to complement and enhance the internship</p>

Spring Semester	
4	<p>One Education Foundation Three Education Electives</p>

Elementary Education and Special/Inclusive Education students will reverse these two semesters and complete PS III in the Spring.**

*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.

Part 9

FACULTY OF FINE ARTS

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I. 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 (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-year 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 (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).

2. ADVISING AND INFORMATION

Students must contact an Academic Advisor (W660; tel. 403-329-2691) 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 I - 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 I - 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)

c. Bachelor of Fine Arts (Multidisciplinary)

1. The B.F.A. (Multidisciplinary) is available to applicants who meet the requirements for one of the following admission routes as set out in **Part I - 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)

d. Bachelor of Fine Arts (New Media)

1. The Bachelor of Fine Arts (New Media) is available to applicants who meet the requirements for one of the following admission routes as set out in **Part I - 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) 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.

Theatre/Drama

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

Music

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

New Media

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

Essay Option

Applicants who may not have access to the necessary technology may submit an essay in place of a portfolio. The essay should discuss or explain your definition of new media and its importance to your professional development. Length: approximately 750 words/3 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?

Portfolio & Summary Questionnaire Deadline:

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 (or Essay) and Summary Questionnaire 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.

Note: Conditional decisions may be made on the basis of interim and/or unofficial documents (transcripts). To qualify for conditional admission, applicants must submit their portfolio and questionnaire. Including a photocopy of your transcripts with your portfolio and questionnaire will help us process your application faster.

e. **Bachelor of Fine Arts (New Media)/Bachelor of Management**

See **Part 13 - Combined Degrees, Section 11 (p. 295)**.

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. 191** 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 3 to 5 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

¹The B.F.A. (New Media) program is currently not available as a Post-Diploma degree program.

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 grade point average 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.

Portfolio/Audition Content

Art:

See Art Portfolio instructions in **Section a. Bachelor of Fine Arts (Art) and pre-Bachelor of Fine Arts (Art)/Bachelor of Education, p. 174**. Portfolio requirements are available at www.uleth.ca/finearts/admissions.

Theatre/Dramatic Arts:

Theatre Studies and Technical/Design majors: Materials representative of recent theatre experiences as performer, designer, or technician. Examples include: list of productions, roles, reviews, photographs, programs, and video tapes. Performance majors: As above and audition/interview.

Portfolio and audition/interview requirements are available at www.uleth.ca/finearts/admissions.

Music:

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 www.uleth.ca/finearts/admissions. Also see **Section 7.e.2. Studio Audition Procedure, p. 191**.

h. Post-Diploma B.F.A. (Multidisciplinary) Degree Program (After a Two- or Three-Year Diploma)

1. An approved¹ two- or three-year college diploma in Art, Theatre or Dramatic Arts, or Music.

2. A grade point average of at least 2.50 in the diploma program.
3. Because quotas are applied, competition is based on GPA.

¹Approved 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. 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 (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 I - Admission, 3.b.5., p. 34**.)

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 (New Media) must meet the portfolio requirements as indicated in **d.** above.

Second degree students applying to the Bachelor of Music with a Music major are advised to audition as indicated in **e.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 **e.3.** above.

j. 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.

k. 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 grade point average of 2.00.

b. Probationary Student

If the cumulative grade point average 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 grade point average, at the end of the Spring Semester, falls below the following indices are required to withdraw from the Faculty of Fine Arts:

Number of completed courses (includes transfer courses)	GPA (UofL)
6 - 10	1.80
11 - 20	1.90
21 - 40	2.00

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 I - Admission, Section 4, p. 39**).

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 grade point average, 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)	GPA (UofL)
6-10	1.50
11-20	1.70
21-30	1.85
31-40	2.00

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.

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 and whose cumulative grade point average is below the following indices are required to withdraw from the University:

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

Students in the Post-Diploma B.F.A. and B.Mus. programs will be considered with students who have completed 21 to 40 courses.

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 grade point average 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/School 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 3.5 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 grade point average 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 Withdrawal with Cause (W/C), in accordance with University of Lethbridge policy (see **Part 4, Section 2, p. 70**). 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 students 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 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. 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. 114)**.

I. Degree Requirements

- a. Successful completion of 40 courses (120.0 credit hours) with a cumulative grade point average of at least 2.00.
- b. A minimum cumulative grade point average 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. 88**).
- 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. 73**).
- 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. 73**).
- 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.
- 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. 73**).

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:

I. Art Studio Major:

- Art 3010 - Drawing I
- Art 3040 - Advanced Studio(6.0 credit hours)
- Art 4048 - Senior Studio (6.0 credit hours)

Art Studio: List I

Two of:

- Art 3005 - Printmaking I
- Art 3022 - Painting I
- Art 3026 - Photo-Arts I
- Art 3032 - Sculpture I
- Art 3060 - Media Arts I (Computer Art)

Art Studio: List II

Two of:

- Art 3006 - Printmaking II
- Art 3023 - Painting II
- Art 3027 - Photo-Arts II
- Art 3033 - Sculpture II
- Art 3061 - Media Arts II (Video Sketchbook)
- Art 3160 - Drawing II (The Body)

One further course chosen from Art Studio Lists I or II

Art Studio: List III

Two of:

- Art 3007 - Printmaking III
- Art 3011 - Drawing III
- Art 3015 - Art Studio (Series)
- Art 3024 - Painting III
- Art 3028 - Photo-Arts III
- Art 3034 - Sculpture III
- Art 3035 - Context and Environment
- Art 3062 - Media Arts III (Digital Studio)

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 - North American Indian Art History and Theory
- A 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/2013-14/fine_arts/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/2013-14/fine_arts/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 BFA (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 BFA (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 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 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. 74)** 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 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
¹ Management 3506/Native American Studies 3506 - Aboriginal Small Business and Entrepreneurship in Canada
Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments
¹ Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments
¹ 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:
¹ Management 2030 - Introduction to Organizational Behaviour
Management 2060 - Introduction to Information Technology
Management 2100 - Introductory Accounting
Management 2020 - Marketing
¹ Management 2400 - Management Accounting

- ¹ Management 3031 - Managing Responsibly in a Global Environment
- ¹ Management 3040 - Finance
- ¹ Management 3050/Political Science 3420 - Human Resource Management
- ¹ 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:**
- ¹ Computer Science 1620 - Fundamentals of Programming I
- ¹ Management 3830 - Contemporary Database Applications
- Three of:**
- ¹ Management 3061 - Information Systems and Management
- ¹ Management 3821 - Visual Programming Applications
- ¹ Management 3822 - Object-Oriented Programming for Web Applications
- Management 3862 - E-commerce Management
- ¹ Management 3920 - Project Management
- ¹ Management 4380 - Management Issues in Information Systems
- ¹ 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 UofL and then complete the equivalent of four courses while on exchange at a partner school. 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:
- Required Course:**
- Management 2020 - Marketing
- Four of:**
- ¹ Management 3210 - Consumer Behaviour
- ¹ Management 3220 - Marketing Research
- ¹ Management 3240 - Sales Management
- Management 3260 - Not-for-Profit Marketing
- ² Management 3806 - Small Business Management
- ¹ Management 3850 - Selected Topics in Management (with an emphasis in Marketing)
- Management 3862 - E-commerce Management
- ¹ Management 4210 - Advertising and Promotions
- f. Social Responsibility minor
- The five courses required for the minor in Social Responsibility include:
- Required Courses:**
- Management 1000 - Introduction to Management
- Management 3710 - Managing Not-for-Profit Organizations
- Three of:**
- ¹ Management 3250 - Social Marketing
- Management 3260 - Not-for-Profit Marketing
- Management 3315 - Diversity in Employment
- Management 3640 - Cross-Cultural Management Practices
- ¹ Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
- ¹ Management 3980-3981 - Applied Studies/Field Experience (with a not-for-profit organization)
- ¹ Management 4390 - Leading Organizational Change
- ¹ Management 4551 - Sustainable Tourism
- ¹ Management 4580 - Environmental Management
- ¹ Management 4640 - Cross-Cultural Work Study
- ¹ 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.
- ² 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 BFA (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. 120)**.

I. Degree Requirements

- a. Successful completion of 40 courses with a cumulative grade point average of at least 2.00.
- b. A minimum cumulative grade point average of 2.50 in all Drama courses.
- c. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- 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. 73**).
- 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. 73**).
- 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.

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.

I. 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 3827 - 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

¹*Technical/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

Drama 2420 - Directing: Fundamentals

Drama 2510 - Theatre for Young Audiences I

Drama 2710 - Improvisation and Dramatic Process

Drama 2750 - Dramatic Writing: Fundamentals

Drama 2600 - Portfolio in Dramatic Arts I

One of:

Drama 3600 - Portfolio in Dramatic Arts II

Drama 4600 - Portfolio in Dramatic Arts III

Two of:

Drama 3030 - Introduction to Film Studies

Drama 3150 - Theatre Studies Series

Drama 3870 - History of Costume

Drama 4211 - Theories of Theatre

Eight Drama Electives (24.0 credit hours) at the 3000/4000 level

Four Electives (12.0 credit hours) from any Faculty

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/dram_bfa_performance for a suggested sequencing plan for the Performance major in the B.F.A. (Dramatic Arts) program.

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/dram_bfa_tech_design for a suggested sequencing plan for the Technical/Design major in the B.F.A. (Dramatic Arts) program.

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/dram_bfa_theatre_studies for a suggested sequencing plan for the Theatre Studies major in the B.F.A. (Dramatic Arts) program.

c. 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 W660.

I. Degree Requirements

- a. Successful completion of 40 courses with a cumulative grade point average of at least 2.00.

- b. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- 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 2148, 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.c, Exceeding Course Limits, p. 73**).

d. 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 artistic 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.

1. Degree Requirements

- a. Completion of 40 courses (120.0 credit hours) with a cumulative grade point average of at least 2.00.
- b. A minimum cumulative grade point average of 2.50 in all New Media courses.
- c. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- 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. 73**).
- 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. 73**).
- 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 3030 - 3-D Computer Modelling and Animation
 - New Media 3150 - Seminar in New Media Studies
 - New Media 3420 - Narrative for New Media I

New Media 3520 - Web Design and Development
 New Media 3680 - Interaction Design
 New Media 3700 - Event and Exhibition 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 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 1000 - Introduction to Dramatic Arts
 Drama 3030 - Introduction to Film Studies
 Music 1011 - Materials of Music
 Music 2500 - Introduction to Music Technology
- Four additional courses from Art and Art History/Museum Studies, Drama, Music, and/or New Media including representation from two disciplines and at least one course 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/2013-14/fine_arts/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 BFA (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. 74)** 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
- ¹ Management 3506/Native American Studies 3506 - Aboriginal Small Business and Entrepreneurship in Canada
- Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments

¹ Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments

¹ 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:

- ¹ Management 2030 - Introduction to Organizational Behaviour
- Management 2060 - Introduction to Information Technology
- Management 2100 - Introductory Accounting
- Management 2020 - Marketing
- ¹ Management 2400 - Management Accounting
- ¹ Management 3031 - Managing Responsibly in a Global Environment
- ¹ Management 3040 - Finance
- ¹ Management 3050/Political Science 3420 - Human Resource Management
- ¹ 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:

- ¹ Computer Science 1620 - Fundamentals of Programming I
- ¹ Management 3830 - Contemporary Database Applications

Three of:

- ¹ Management 3061 - Information Systems and Management
- ¹ Management 3821 - Visual Programming Applications
- ¹ Management 3822 - Object-Oriented Programming for Web Applications
- Management 3862 - E-commerce Management
- ¹ Management 3920 - Project Management
- ¹ Management 4380 - Management Issues in Information Systems
- ¹ 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 UofL and then complete the equivalent of four courses while on exchange at a partner school. 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:

Required Course:

Management 2020 - Marketing

Four of:

- ¹ Management 3210 - Consumer Behaviour
- ¹ Management 3220 - Marketing Research
- ¹ Management 3240 - Sales Management
- Management 3260 - Not-for-Profit Marketing
- ² Management 3806 - Small Business Management
- ¹ Management 3850 - Selected Topics in Management (with an emphasis in Marketing)
- Management 3862 - E-commerce Management
- ¹ Management 4210 - Advertising and Promotions

f. Social Responsibility minor

The five courses required for the minor in Social Responsibility include:

Required Courses:

Management 1000 - Introduction to Management
Management 3710 - Managing Not-for-Profit Organizations

Three of:

- ¹ Management 3250 - Social Marketing
- Management 3260 - Not-for-Profit Marketing
- Management 3315 - Diversity in Employment
- Management 3640 - Cross-Cultural Management Practices
- ¹ Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
- ¹ Management 3980-3981 - Applied Studies/Field Experience (with a not-for-profit organization)
- ¹ Management 4390 - Leading Organizational Change
- ¹ Management 4551 - Sustainable Tourism

¹ Management 4580 - Environmental Management

¹ Management 4640 - Cross-Cultural Work Study

¹ 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.

² 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.

e. **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. candidates 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. 133)**.

I. Degree Requirements

- a. Successful completion of 40 courses (120.0 credit hours) with a cumulative grade point average of at least 2.00.
- b. A minimum cumulative grade point average of 2.50 in all Music courses.
- c. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- d. A maximum of five Independent Studies (15.0 credit hours) (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

- 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 2.c, Exceeding Course Limits, p. 73**).
- 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 courses (90.0 credit hours) for Music majors and a minimum of 22 Music courses (66.0 credit hours) for Digital Audio Arts majors.

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:

I. 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 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	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: 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 University Singers Vox Musica Wind Orchestra Women's Chorus (or through Independent Study by permission of the Department of Music)

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

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 3630 - Advanced Audio Engineering Techniques
- Music 3670 - Audio Synthesis
- Music 4600 - Data Structures and Algorithms
- Music 4610 - Interactive Computer Music and Computer-Assisted Composition
- Music 4749 - Applied Research and Computer Music Composition I
- Music 4849 - Applied Research and Computer Music Composition II

Music Ensemble Activities

- ¹ Music Ensemble Activity 3352 - Electro-acoustic Ensemble I (1.5 credit hours)
- ¹ Music Ensemble Activity 3452 - Electro-acoustic Ensemble II (1.5 credit hours)

¹ 1.5 credit hours

Electives

10 courses from any Faculty

Recommended electives include:

- Art 2031 - Foundation Studio (Drawing and Image)
- Art 2032 - Foundation Studio (Object and Space)
- Drama 2810 - Introduction to Stagecraft
- Drama 3030 - Introduction to Film Studies
- Management 1000 - Introduction to Management
- ² Management 2030 - Introduction to Organizational Behaviour
- Music 2148 - Studio I - (Instrument)
- Music 2248 - Studio II - (Instrument)
- Music 3000 - Seminar in Music (Series)
- Music 3030 - Film Music
- Music 3149 - Composition I
- Music 3348 - Studio III - (Instrument)
- Music 3380 - History III: Classical Music
- Music 3448 - Studio IV - (Instrument)
- Music 3500 - Conducting I
- Music 3606 - Orchestration
- Music 3650 - On-site Recording and Audio Production
- Music 3721 - World Music
- Music 3734 - Portfolio and Music Industry
- Music 3735 - Electronics for Music Applications
- Music 3738 - Systems for Computer Assisted Education
- Music 4000 - Seminar in Music (Series)

- 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 4660 - Form and Analysis
- New Media 1000 - Introduction to New Media
- New Media 2000 - Interactive Technology (Series)
- ² New Media 2030 - Digital Video Production
- ² Physics 2130 - Waves, Optics and Sound
- ² Psychology 2320 - Cognition and Perception: Thinking and Seeing
- ² Psychology 3360 - Sensation and Perception

² Has prerequisite and/or corequisite.

Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/musi_bmus for a suggested sequencing plan for the Music major in the B.Mus. program.

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/musi_bmus_daa for a suggested sequencing plan for the Digital Audio Arts major in the B.Mus. program.

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 48 courses (144.0 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.
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.

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 choral ensembles; the University Wind Orchestra; Collaborative Piano/Guitar; Orchestra; 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. 73**).

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.

f. 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. (Art), 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. 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. 88**).
- b. A minimum of 10 courses at or above the 3000 level.
- 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. 73**).
- 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. 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. 180)**.
- b. Required Drama Courses:
See **Section 7.b.1.h. (p. 184)**.
- c. Required Music Courses:
See **Section 7.e.1.g. (p. 190)**.

g. 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. (Art), 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. 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. 88**):
 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 eight courses at or above the 3000 level.
- 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. 73**).
- d. The entire program must be approved in advance by an Academic Advisor in the Faculty of Fine Arts.
- e. 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. 180)**.
- b. Required Drama Courses:
See **Section 7.b.1.h. (p. 184)**.
- c. Required Music Courses:
See **Section 7.e.1.g. (p. 190)**.

h. 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 grade point average 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. 88**):
 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. 73**).
- 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. 186)**.

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).

i. B.F.A. (Art)/B.Ed.

See **Part 13 - Combined Degrees, Section 4 (p. 260)**.

j. B.F.A. (Dramatic Arts)/B.Ed.

See **Part 13 - Combined Degrees, Section 5 (p. 263)**.

k. B.F.A. (New Media)/B.Mgt.

See **Part 13 - Combined Degrees, Section 11 (p. 295)**.

l. B.Mus./B.Ed.

See **Part 13 - Combined Degrees, Section 6 (p. 265)**.

m. Post-Diploma B.F.A. (Art)/B.Ed.

See **Part 13 - Combined Degrees, Section 9 (p. 289)**.

n. Post-Diploma B.F.A. (Dramatic Arts)/B.Ed.

See **Part 13 - Combined Degrees, Section 9 (p. 289)**.

o. Post-Diploma B.Mus./B.Ed.

See **Part 13 - Combined Degrees, Section 9 (p. 289)**.

p. 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 (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 grade point average of at least 2.50 in the fine arts discipline(s), and an overall cumulative grade point average 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. 88**). 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 as part of 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

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 brass, keyboard, percussion, strings, voice and woodwinds. Classes are also offered in theory and history. Ensemble Activities include chamber music, string orchestra, wind ensemble, as well as a junior choir.

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 year, provided space is available.

a. Music Conservatory Fees

	Semester I (Fall) - 15 weeks or Semester II (Spring) - 15 weeks
Staff Instructors:	\$457.50 (1/2 hr) \$686.25 (3/4 hr) \$915.00 (1 hr)
Senior Student Instructors:	\$277.50 (1/2 hr) \$416.25 (3/4 hr) \$555.00 (1 hr)
Musical Equipment Rental Fee:	\$150.00/year

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

Fee: \$246.25 per year

Part 10

FACULTY OF HEALTH SCIENCES

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I. GENERAL PHILOSOPHY

- 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 I - 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. All applicants must satisfy the following requirements:

- a. As outlined in **Part I - Admission, Section 3.a.1. (p. 26)**, satisfactory completion of Alberta's:

- *English Language Arts 30-1
- Biology 30
- Chemistry 30
- Pure Mathematics 30, Mathematics 30-1, or Mathematics 30-2
- A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)

**Students must have received a minimum grade of 60% in English Language Arts 30-1.*

Note: Admission is competitive and the Faculty of Health Sciences reserves the right of selection of all students for admission and readmission to the Faculty on the basis of academic qualifications.

- b. Newly admitted students must provide the following documents by Orientation Day of the first year:
 1. 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.
 2. 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.

3. 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 4. Internship and Practicum Placements (p. 200)**.

Note: Students will not be allowed to enter clinical practica if they do not provide these documents.

- c. All students will be required to have face masks fitted prior to clinical placements. This procedure will occur during the first month of classes.

3. All applicants may be invited to an interview. An interview will be required for applicants seeking Adult (Mature) Admission.

4. 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 I - Admission, 2013/2014 Undergraduate Application and Document Deadlines, p. 25**).

Students currently studying in high school should follow the procedures for Early Admission (see **Part I - Admission, Section 3.a.3, p. 28**).

Note: If the program quota is not filled by applications received by March 1 applications received by the following May 1 will be considered.

5. Admission Grid

A weighted score, with a possible maximum of 100, will be calculated using the following scheme:

- a. Competitive marks for the September 2013 admission and subsequent admissions will be based on a score derived by multiplying each of the high school marks for English Language Arts 30-1, Biology 30, Chemistry 30, and Pure Mathematics 30 or Mathematics 30-1 by 0.15 and by multiplying the high school average by 0.40 for a total possible score of 100.

$$\begin{aligned} &\text{English Language Arts 30-1 mark} \times 0.15 \quad ____ \\ &+ \text{Biology 30 mark} \times 0.15 \quad ____ \\ &+ \text{Chemistry 30 mark} \times 0.15 \quad ____ \\ &+ \text{Pure Math 30, Math 30-1, or Math 30-2} \\ &\quad \text{mark} \times 0.15 \quad ____ \\ &+ \text{High School Average} \times 0.40 \quad ____ \\ &= \quad ____ \text{ score} \end{aligned}$$

- b. Transfer students will be scored on the same grid, except that the higher of the high school mark or a university transferable post-secondary course mark in the same discipline may be used. The GPA of the last full-time post-

secondary semester completed may be used in place of the High School average, whichever is most advantageous to the student.

- c. Adult (Mature) students with significant health-related experience may have a score (possible 40) substituted for the High School Average based on a personal interview and an evaluation of the health-related experience.

6. Spoken English Language Proficiency Requirement (SELP)

See **Section 3.g. (p. 200)**.

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:

- a. An approved baccalaureate degree comprising at least 90.0 credit hours or equivalent from a post-secondary institution recognized by the University of Lethbridge.

OR

- b. Significant progress toward a baccalaureate degree in another field from a post-secondary institution recognized by the University of Lethbridge. Significant progress is defined as successful completion of at least 90.0 credit hours of transferable university-level studies.

Competitive admission: Admission will be granted on a competitive basis using Grade Point Average (GPA) to students in good standing, using the courses included in the semesters containing the last 20 transferable university-level courses (60.0 credit hours) completed. In the event of an excess of demand for available places, first preference will be given to holders of approved baccalaureate degrees, and second to applicants presenting at least 90.0 credit hours of transferable university-level studies.

- 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. 89**); and,
 - e. Social science courses, six credit hours (two semester courses) (See **List II: Social Science Courses, p. 89**).
- 3. Spoken English Language Proficiency Requirement (SELP)
See **Section 3.g. (p. 200)**.
- 4. Applicants may be invited to attend an interview.
- 5. 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 4. Internship and Practicum Placements (p. 200)**.

Note: *Students will not be allowed to enter clinical practica if they do not provide these documents.*

- 6. 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 I - Admission, 2013/2014 Undergraduate Application and Document Deadlines, p. 25**).

Note: *If the program quota is not filled by applications received by March 1, applications received by the following April 1 will be considered.*

c. Bachelor of Health Sciences

1. 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 I - 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 B.H.Sc. (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 I - Admission, Section 3.a.1. (p. 26)**, satisfactory completion of Alberta's:
English Language Arts 30-I
Biology 30 or Chemistry 30
Two additional 30-level Academic Courses (see **p. 26**)
A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)
 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 I - Admission, 2013/2014 Undergraduate Application and Document Deadlines, p. 25**).

Students currently studying in high school should follow the procedures for Early Admission (see **Part I - Admission, Section 3.a.3, p. 28**).

- d. Spoken English Language Proficiency Requirement (SELP)

See **Section 3.g. (p. 200)**.

2. 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 I - 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 I - Admission, Section 3.a.1. (p. 26)**, satisfactory completion of Alberta's:

English Language Arts 30-I
Biology 30

Pure Mathematics 30, Mathematics 30-I,
or Mathematics 30-2

One additional 30-level Academic Course (see **p. 26**)

A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)

2. 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. 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 4. Internship and Practicum Placements (p. 200)**.

Note: Students will not be allowed to enter clinical practica if they do not provide these documents.

3. All students will be required to provide the following documents prior to clinical placements:

- a. A valid standard first aid certificate.
- 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. An interview will be required for applicants seeking Adult (Mature) Admission.
- d. Spoken English Language Proficiency Requirement (SELP)

See **Section 3.g. (p. 200)**.

d. Post-Diploma Bachelor of Health Sciences

I. 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, with a cumulative grade point average of 3.00 (or equivalent).

Note: *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 I - Admission** and must also submit the following documentation:

- a. Official college transcript.
3. Spoken English Language Proficiency Requirement (SELP)

See **Section 3.g. (p. 200)**.

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 I - Admission** and must also submit the following documentation:

- a. Official college transcript.
3. Spoken English Language Proficiency Requirement (SELP)

See **Section 3.g. (p. 200)**.

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. 197**).
- 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 12 (p. 298)**.

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 I - Admission, p. 40**), applicants to the Faculty of Health Sciences, whose first language is not English, must also meet a Spoken English Language Proficiency (SELP) 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 and in a recognized institution where the primary language of the institution is English. These studies must include satisfactory completion of English Language Arts 30-1 or its equivalent, or satisfactory completion of at least two transferable semester courses in English. These studies must also precede admission by not more than two years.
2. Graduation with an approved high school credential, including at least six consecutive years of full-time academic study, from an institution or institutions where the language of instruction is English. These studies must include satisfactory completion of English Language Arts 30-1 or its equivalent. These studies must also precede admission by not more than two years.
3. Successful completion of a recognized degree requiring at least four full years of academic study at a post-secondary institution where the language of instruction is English and in a country where English is the principal language.
4. Successful completion of the equivalent of six years of full-time instruction in a school/institution in Canada in which the major language of instruction is other than English, but where the level of English proficiency required for graduation is equivalent to that in English language schools/institutions in Canada.
5. A score of at least 50 on the TSE (Test of Spoken English).
6. A score of at least 23 on the Speaking section score of the iBT TOEFL.
7. A score of at least 7.0 on the IELTS band for Speaking.
8. A score of at least 70 on the CAEL sub-test for Speaking.

4. **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 that 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.

5. **B.H.Sc. AFTER TRANSFER TO A PROFESSIONAL FACULTY**

Students who initially complete an approved 90.0 credit hour program in the Faculty of Health Sciences may attain the University of Lethbridge degree B.H.Sc. after completing degree requirements in Social Work in a professional faculty elsewhere.

Students intending to complete the B.H.Sc. requirements in the above manner must have their programs approved by the Dean of Health Sciences by the time they have completed 15 courses. Please consult an Academic Advisor in the Faculty of Health Sciences for more information.

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 organisations, 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 (WC), in accordance with University of Lethbridge policy (see **Part 4, Section 3, p. 70**). 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. POLICIES AND REGULATIONS

a. Special Arrangements for Course Credit

I. Transfer Credit

a. 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 3.g., p. 74**). 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: *B.N. Nursing courses taken at Lethbridge College that are used for credit in the program are University of Lethbridge courses. Other courses taken at Lethbridge College and accepted for credit in the B.N. program are considered UofL courses and not as transfer credit.*

b. Bachelor of Nursing After an Approved Degree

A student completing the Bachelor of Nursing After Degree may not receive transfer credit.

Note: *Bachelor of Nursing After Degree courses taken at LC that are used for credit in the program are University of Lethbridge courses.*

c. 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.

Note: *Addictions Counselling courses taken at MHC that are used for credit in the B.H.Sc. (Addictions Counselling major) program are University of Lethbridge courses.*

- d. Post-Diploma Bachelor of Health Sciences Addictions Counselling majors admitted to the Post-Diploma Bachelor of Health Sciences (Direct Entry) or Post-Diploma Bachelor of Health Sciences (Extended) program will be allowed to transfer a maximum of two semester course equivalents (6.0 credit hours). Courses for which transfer credit is being sought must be discussed at the time of acceptance.

2. 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.

b. 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. 83) 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 and the Code of Ethics of the Canadian Nurses Association (CNA) (2008). The central values outlined in the CNA Code are:

- a. **Health and Well-Being:** Nurses value health and well-being and assist persons to achieve their optimum level of health in situations of normal health, illness, injury or in the process of dying.
- b. **Choice:** Nurses respect and promote the autonomy of clients and help them to express their health needs and values, and to obtain appropriate information and services.
- c. **Dignity:** Nurses value and advocate the dignity and self-respect of human beings.
- d. **Confidentiality:** Nurses safeguard the trust of clients that information learned in the context of a professional relationship is shared outside the health care team only with the client's permission or as legally required.
- e. **Fairness:** Nurses apply and promote principles of equity and fairness to assist clients in receiving unbiased treatment and a share of health services and resources proportionate to their needs.
- f. **Accountability:** Nurses act in a manner consistent with their professional responsibilities and standards of practice.
- g. **Practice environments conducive to safe, competent and ethical care:** Nurses advocate practice environments that have the organizational and human support systems and the resource allocations necessary for safe, competent and ethical nursing care.

2. Bachelor of Health Sciences

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 Association (CCA) (1999). The CCA code is very lengthy and students are required to familiarize themselves with the details, located at the following website, as directed by their instructors: www.ccacc.ca/coe.htm

The fundamental principles of the CCA Code are:

- a. **Respect for the dignity of persons**
- b. **Not willfully harming others**
- c. **Integrity in relationships**
- d. **Responsible caring**
- e. **Responsibility to society**
- f. **Respect for self-determination**

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 [PHLS] (2002) and the American Public Health Association [APHA] (2002). Currently, a public health code of ethics is under review by the Public Health Agency of Canada and public health partners.

The values and beliefs underlying the PHLS/APHA Code of Ethics for Public Health are as follows:

- a. **Health & Wellbeing:** Humans have a right to the resources necessary for health and wellbeing. The Universal Declaration of Human Rights is affirmed by public health practitioners.
- b. **Community:** Humans are inherently social and interdependent. Positive relationships (among individuals, families, groups, institutions, and communities) contribute to healthy communities. Each person in a community should have an opportunity to contribute to public discourse. Collaboration is a key element to public health. The rights of individuals and one's right to make decisions for one's self must be balanced against the common good and impacts on other people (e.g., vulnerable members of society).
- c. **Trust:** Communication underlies public trust and the development of trusting relationships. Factors that contribute to trust include: truth telling, transparency, accountability, reliability, and reciprocity. Listening as well as speaking is a critical part of reciprocity and communication with communities.
- d. **Interdependence:** People (individuals, families, and communities) and their environments (physical and social) are interdependent.
- e. **Basis for Action:** Knowledge is important and powerful. Science is the basis for much of public health knowledge (including both qualitative and quantitative methods). Knowledge is not morally neutral and often demands action. Public health practitioners have a moral obligation to share what is known, to work in collaboration with communities/partners, and to take timely action based on what is known.
- f. **Respect & Dignity:** Respect for the fundamental value and dignity of each human being informs public health action. Information alone is not adequate as a basis for action. Values inform the application of information or the choice of action in the absence of information.

c. 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. ACADEMIC STANDARDS

a. 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.

b. 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 Nursing, Health Sciences, or Public Health courses for one semester at the University of Lethbridge. It should be noted that Post-Diploma students and students coming from LC or MHC 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.

Number of Completed Courses	GPA All Courses	GPA Nursing, Health Sciences, and Public Health
1-10	1.70	2.00
11-20	1.85	2.30
21-40	2.00	2.50

c. Required Withdrawal for One Full Year

I. 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. 201**)

*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.

9. 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 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.

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 3.5 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 grade point average by factoring actual grades on transfer courses into the University of Lethbridge cumulative grade point average.

10. BACHELOR OF NURSING PROGRAMS

a. Bachelor of Nursing

I. General Requirements

- 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.
 - Attain a minimum cumulative grade point average of 2.50 on all required Nursing and Health Sciences courses taken for credit toward the degree.
 - Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- Note:** *Psychology 160, taken at Lethbridge College, transfers as Psychology 1000 at the University of Lethbridge and will count as a social science course towards the GLER in the B.N. program (see Part 4 - Academic Regulations, p. 89).*
- Not more than three Independent Study courses may be taken for credit toward the degree (see **Section 7.a.2, p. 201**).
 - Residence Requirement: 20 courses including a minimum of 12 in Nursing and Health Sciences. In order to meet the residence requirement, students must complete all third and fourth year courses, including electives (20 course equivalents/60.0 credit hours) at the U of L.
 - All degree requirements must be completed within seven years of completion of the first Nursing course used for credit toward the degree.

Minimum Grade Requirement

A minimum grade of C is required in Nursing 163/ Nursing 1220 and Nursing 173/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. 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 LC 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 LC course numbering system while the second reflects the University of Lethbridge system.

a. Core Courses: Non-Nursing

- Biology 160/Biology 1xxx - Anatomy and Physiology I
- Biology 161/Science 2xxx - Anatomy and Physiology II
- Biology 162/Biology 2xxx - Microbiology of Infectious Diseases
- English 150/Humanities 1xxx

- Humanities 155/Philosophy 1xxx - Introductory Philosophy
- Psychology 160/Psychology 1000 - Basic Concepts of Psychology
- Psychology 170/Psychology 2xxx - Human Development
- Sociology 160/Sociology 1000 - Introduction to Sociology
- Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice

b. Core Courses: Nursing

- Nursing 150/Nursing 1020 - Concepts of Health I
- Nursing 155/Nursing 1120 - Concepts of Health II
- Nursing 163/Nursing 1220 - Nursing Practice I
- Nursing 173/Nursing 1320 - Nursing Practice II
- Nursing 250/Nursing 2020 - Health, Illness and Healing I
- Nursing 255/Nursing 2125 - Health, Illness and Healing II
- Nursing 279/Nursing 2135 - Professional Seminar I
- Nursing 263/Nursing 2150 - Nursing Practice III
- Nursing 293/Nursing 2255 - Nursing Practice IV
- Nursing 290/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

c. Restricted Electives:

- Fine Arts and Humanities Elective
- Fine Arts and Humanities Elective
- Social Science Elective
- Health Sciences/Public Health Elective

3. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/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 grade point average (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/2013-14/health_sciences/nurs_bn_accl for a suggested sequencing plan for Years 3 and 4 (see www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/nurs_bn for a suggested sequencing plan for the first two years).

b. Bachelor of Nursing After Degree

I. 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 182/ 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 181/Nursing 1050 - Introduction to Nursing
- Nursing 182/Nursing 1150 - Health Assessment
- Nursing 250/Nursing 2020 - Health, Illness and Healing I
- Nursing 2125 - Health, Illness and Healing II
- Nursing 263/Nursing 2150 - Nursing Practice III
- Nursing 2255 - Nursing Practice IV
- Nursing 290/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. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/nurs_bn_ad for a suggested sequencing plan for the B.N. After Degree program, beginning at Lethbridge College.

II. BACHELOR OF HEALTH SCIENCES PROGRAMS

a. Bachelor of Health Sciences

I. Addictions Counselling

a. General Requirements

1. Successful completion of 40 course equivalents (120.0 credit hours) with a cumulative 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 Health Sciences courses taken for credit toward the degree.
3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
4. Attain a passing grade on all required internship courses (Health Sciences 2050 and Health Sciences 4050).
5. Not more than three Independent Study courses may be taken for credit toward the degree (see **Section 7.a.2, p. 201**).
6. Residence requirement: 20 courses, including a minimum of 10 in Health Sciences.
7. All degree requirements must be completed within seven years of completion of the first Health Sciences course used for credit toward the degree.

b. Course Requirements

I. Core Courses

- Health Sciences 1000 - Introduction to Addiction Studies
- Health Sciences 1020 - Introduction to the Counselling Interview
- Health Sciences 1220 - Counselling I (Individual Counselling)
- Health Sciences 2120 - Counselling II (Group Counselling)
- Health Sciences 2245 - Assessment of Addictions
- Health Sciences 3002 - Health Education and Promotion
- Health Sciences 3120 - Counselling III (Family Counselling)

Health Sciences 3130 - Diversity and Counselling
 Health Sciences 3140 - Neurophysiology of Addictions
 Health Sciences 3150 - Adult Psychopathology
 Health Sciences 3240 - Issues in Addiction and Mental Health
 Health Sciences 3260 - Research in Addictions
 Health Sciences 3420 - Ethics in Addictions Counselling
 *Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
 Health Sciences 3749 - Studies in Specific Addictive Disorders
 Health Sciences 3759 - Addictions in Particular Populations
 Health Sciences 4200 - Community Development and Outreach
 Native American Studies 1000 - Introduction to Native American Studies
 Psychology 1000 - Basic Concepts of Psychology
 Sociology 1000 - Introduction to Sociology

One of:

Sociology 2020 - Social Problems
 Sociology 2500 - Deviance, Conformity and Social Control

**Or any other Statistics course approved by the Dean*

2. Internship Courses

Health Sciences 2050 - Internship in Addictions Counselling I
 Health Sciences 4050 - Internship in Addictions Counselling II

c. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/adcs_bhsc for a suggested sequencing plan for the Addictions Counselling major in the B.H.Sc. program.

2. Public Health

a. General Requirements

1. Successful completion of 40 course equivalents (120.0 credit hours) with a cumulative grade point average of at least 2.00 on courses taken for credit toward the degree.*

**Students must be mindful of the third-year electives and prerequisites. Some senior courses have prerequisites which are not part of the program (see note at the bottom of the Course Requirements section).*

2. Attain a minimum cumulative grade point average of 2.50 on all Public Health courses taken for credit toward the degree.
3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

4. Not more than three Independent Study courses may be taken for credit toward the degree (see **Section 7.a.2, p. 201**).
5. 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. 73**).
6. Residence requirement: 20 courses, including a minimum of five in Public Health.
7. All degree requirements must be completed within seven years of completion of the first Public Health course used for credit toward the degree.

b. Course Requirements

1. Core Courses (I-15):

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
 Anthropology 1000 - The Anthropological Perspective
 Geography 1200 - Introduction to Human Geography
 Health Sciences 2003/Biology 2003 - Epidemiology: The Ecology of Health and Disease
 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 3450/Psychology 3450 - Applied Statistics for Clinical Practice
 Psychology 1000 - Basic Concepts of Psychology
 Political Science 1000 - Introduction to Political Science
 Sociology 1000 - Introduction to Sociology

One of (16):

Health Sciences 3260 - Research in Addictions
 Nursing 3360 - Research Methodology

One of (17):

- *Biology 1010 - Cellular Basis of Life
- **Kinesiology 1000 - Wellness and Physical Activity

One of (18):

- Anthropology 3520 - Medical Anthropology
- *Biochemistry 2300 - Elements of Human Nutrition
- Environmental Science 2000 - Fundamentals of Environmental Science
- Health Sciences 3127 - Loss, Grief and Bereavement
- Health Sciences 3130 - Diversity and Counselling
- Health Sciences 3759 - Addictions in Particular Populations
- *Kinesiology 3630 - Growth, Development and Aging
- Psychology 2110 - Introduction to Child Development
- Psychology 2505 - Abnormal Psychology
- Psychology 2800 - Social Psychology
- *Psychology 3120 - Psychology of Aging
- *Sociology 3340 - Medical Sociology

One of (19):

- Computer Science 1000 - Introduction to Computer Science OR Management 2060 - Introduction to Information Technology
- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Health Sciences 1020 - Introduction to the Counselling Interview
- Health Sciences 3500/ Management 3825 - Information in Health Care
- Management 3061 - Information Systems and Management
- Political Science 2511 - Introduction to Political Theory

One of (20):

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

Three Fine Arts/Humanities courses (21-23)

*** At least **FOUR** courses in **ONE** of the following concentrations (24-27):

Applied Public Health**Four of:**

- Anthropology 2010 - Theory I: Historical Foundations of Anthropological Thought
- Anthropology 2600 - Anthropology of Gender
- *Anthropology 3200 - Power and Discourse

Anthropology 3310 - Race and Ethnicity

- *Biology 2000 - Principles of Genetics
- Geography 3230 - Urban Social Geography
- *Geography 3750 - GIS Applications in Human Geography
- Health Sciences 2806/Biology 2806 - Immunology
- Health Sciences 3002 - Health Education and Promotion
- Health Sciences 3150 - Adult Psychopathology
- Health Sciences 3500/ Management 3825 - Information in Health Care
- Health Sciences 3560/History 3560 - History of Nursing: Women and the Care of the Sick
- Health Sciences 3700 - Gambling
- Health Sciences 3749 - Studies in Specific Addictive Disorders
- Health Sciences 3800 - Teaching and Learning for Health Professions
- Health Sciences 3802 - Gerontology
- Health Sciences 3990 - Independent Study
- Health Sciences 4850 - Special Topics
- Kinesiology 2520 - Contemporary Health Issues
- *Kinesiology 4500 - Physical Activity and Aging
- *Native American Studies 3700 - Native American Health
- Public Health 3850 - Special Topics
- Public Health 4850 - Special Topics
- Sociology 3120 - Qualitative Research Methods
- *Sociology 3460 - Body and Society
- *Women and Gender Studies 3010 - Women, Bodies and Movement (Series)
- *Women and Gender Studies 3020 - Women and Globalization (Series)
- Women and Gender Studies 3700 - Advanced Research Practice

Health Policy and Promotion**Four of:**

- Anthropology 2510 - Language, Culture, and Communication
- *Anthropology 3200 - Power and Discourse
- *Geography 3750 - GIS Applications in Human Geography
- Health Sciences 2806/Biology 2806 - Immunology
- Health Sciences 3002 - Health Education and Promotion
- Health Sciences 3150 - Adult Psychopathology
- Health Sciences 3500/ Management 3825 - Information in Health Care

Health Sciences 3570/
 Psychology 3570 -
 Contemporary Issues in Mental
 Health
 Health Sciences 3800 - Teaching and
 Learning for Health Professions
 Health Sciences 3990 - Independent
 Study
 Health Sciences 4200 - Community
 Development and Outreach
 Health Sciences 4850 - Special Topics
 *Management 3250 - Social Marketing
 *Native American Studies 2230 -
 Family and First Nations'
 Community Development
 *Political Science 3260 - Canadian
 Public Policy
 Public Health 3850 - Special Topics
 Public Health 4850 - Special Topics
 Sociology 3120 - Qualitative
 Research Methods
 *Sociology 3390 - Sociology of Mass
 Communication
 *Women and Gender Studies 2600 -
 Activism and Advocacy
 *Women and Gender Studies 3060 -
 Science, Spaces, Environments,
 and Technology (Series)
 Women and Gender Studies 3700 -
 Advanced Research Practice

Public Health Administration

Four of:

*Economics 2070/Management 2070 -
 Operations and Quantitative
 Management
 *Economics 3030 - Managerial
 Economics
 *Economics 3220 - Environmental
 Economics
 Economics 3710 - Economic Analysis
 of Canadian Public Issues
 *Economics 3750 - Economics of
 Public Spending
 *Economics 3800 - Economic
 Development
 *Geography 3750 - GIS Applications in
 Human Geography
 Health Sciences 3500/
 Management 3825 - Information
 in Health Care
 Health Sciences 3990 - Independent
 Study
 Health Sciences 4850 - Special Topics
 Management 1000 - Introduction to
 Management
 *Management 3250 - Social Marketing
 *Native American Studies 3250/
 Management 3500 - Financial
 Management in Aboriginal
 Communities
 *Political Science 3260 - Canadian
 Public Policy
 *Political Science 3360 - Developing
 Nations
 *Political Science 3400 - Public
 Administration

Public Health 3850 - Special Topics
 Public Health 4850 - Special Topics
 Sociology 3120 - Qualitative
 Research Methods
 Women and Gender Studies 3700 -
 Advanced Research Practice

13 courses offered by any faculty (28-40)

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.

**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:*

*Anthropology 3200 - Anthropology 2010 or
 Anthropology 2510 (Anthropology 1000 or a
 previous course in Anthropology)
 Biochemistry 2300 - Chemistry 30 or
 Chemistry 0500
 Biology 1010 - Biology 30; One of Chemistry 30 or
 Chemistry 0500
 Biology 2000 - Biology 1010 (Biology 30; One of
 Chemistry 30 or Chemistry 0500);
 Biology 1020; One of Mathematics 30-1,
 Pure Mathematics 30, or Mathematics 0500
 Economics 2070/Management 2070 -
 Statistics 1770; Second-year standing (a
 minimum of 30.0 credit hours)
 Economics 3030 - Economics 1010
 Economics 3220 - Economics 1010
 Economics 3750 - Economics 1010
 Economics 3800 - Economics 1010
 Geography 3750 - Geography 1000;
 Geography 2735
 Kinesiology 3630 - Kinesiology 2200 (Second-year
 standing (a minimum of 30.0 credit hours))
 Kinesiology 4500 - any two 3000-level courses in
 Kinesiology
 Management 3250 - Management 2020 or
 Psychology 2800; Third-year standing (a
 minimum of 60.0 credit hours) in the
 Bachelor of Health Sciences (Public Health
 major)
 Native American Studies 2230 - Native American
 Studies 1000
 Native American Studies 3250/Management 3500
 - Native American Studies 1000
 Native American Studies 3700 - Native American
 Studies 2100 (Native American
 Studies 1000) or Native American
 Studies 2800 (Native American
 Studies 1000)
 Political Science 3260 - Political Science 2210
 (Political Science 1000 or a previous course in
 Political Science or 7 Arts and Science
 courses)
 Political Science 3360 - Political Science 2310
 (Political Science 1000 or a previous course in
 Political Science or 7 Arts and Science
 courses)
 Political Science 3400 - Political Science 2210
 (Political Science 1000 or a previous course in
 Political Science or 7 Arts and Science
 courses)*

- Psychology 3120 - any two 2000-level courses in Psychology or Neuroscience
 Sociology 3340 - one 2000-level course in Sociology
 Sociology 3390 - one 2000-level course in Sociology
 Sociology 3460 - Sociology 2210 (Sociology 2200) or Sociology 2410
 Women and Gender Studies 2600 - Women and Gender Studies 1000
 Women and Gender Studies 3010 - one previous course in Women and Gender Studies; Third-year standing (a minimum of 60.0 credit hours)
 Women and Gender Studies 3020 - one previous course in Women and Gender Studies; Third-year standing (a minimum of 60.0 credit hours)
 Women and Gender Studies 3060 - one previous course in Women and Gender Studies; Third-year standing (a minimum of 60.0 credit hours)

****Students who complete Kinesiology 1000 must complete a Science GLER course in place of one of the 13 courses offered by any faculty.**

*****Decisions regarding the Concentration (Applied Public Health, Health Policy and Promotion, or Public Health Administration) and route (Thesis or Practicum) will be made by the end of March of the second year.**

Note: Please see an advisor in Health Sciences early in your program for program planning.

Reminder: Any given course may be used to satisfy one major requirement or concentration requirement only.

c. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/pubh_bhsc for a suggested sequencing plan for the Public Health major in the B.H.Sc. program.

d. '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. 442**). 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:

- Fourth-year standing (a minimum of 90.0 credit hours completed prior to the start of the applicable fall term).
- 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

- 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.
- Subsequent changes to the Thesis Proposal must be approved by the Supervisory Committee.
- The prospective student must submit an unofficial transcript for review by the Supervisory Committee.
- Registration in the course is achieved through approval of the Supervisory Committee and Dean.
- 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:

- Written Component (80%)**
 - 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.
 - 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. 74)** for more information on the 'Honours Thesis' designation.

b. Post-Diploma Bachelor of Health Sciences

I. Addictions Counselling

Direct Entry

a. General Requirements:

1. Successful completion of at least 20 course equivalents (60.0 credit hours) with a cumulative 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 Health Sciences courses taken for credit toward 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 10, p. 88**).
4. Attain a passing grade on the required internship course (Health Sciences 4050).
5. Not more than three Independent Study courses may be taken for credit toward the degree (see **Section 7.a.2, p. 201**).
6. Residence requirement: 18 courses (54.0 credit hours), including a minimum of 12 courses (36.0 credit hours) in Health Sciences.
7. All degree requirements must be completed within seven years of completion of the first Health Sciences course used for credit toward the degree.

b. Course Requirements:

I. Health Sciences Courses

Health Sciences 3120 - Counselling III (Family Counselling)
 Health Sciences 3130 - Diversity and Counselling
 Health Sciences 3150 - Adult Psychopathology
 Health Sciences 3240 - Issues in Addiction and Mental Health

Health Sciences 3260 - Research in Addictions

*Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
 Health Sciences 3749 - Studies in Specific Addictive Disorders
 Health Sciences 3759 - Addictions in Particular Populations
 Health Sciences 4050 - Internship in Addictions Counselling II

2. Other Required Courses

One of:

Health Sciences 3420 - Ethics in Addictions Counselling
 Health Sciences 4200 - Community Development and Outreach

3. Electives

Fine Arts and Humanities Elective
 Fine Arts and Humanities Elective
 Social Science Elective
 Social Science Elective
 Science Elective
 Open Elective

**Or any other Statistics course approved by the Dean*

c. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/adcs_bhsc_pd_direct for a suggested sequencing plan for the Addictions Counselling major in the Post-Diploma B.H.Sc. (Direct Entry) program.

Extended

a. Qualifying Courses:

Post-Diploma students who are not directly admissible to the Addictions Counselling major in the Post-Diploma B.H.Sc. (Direct Entry) program will be admitted to the Post-Diploma B.H.Sc. (Extended) program and will complete the following five qualifying courses in their first semester:

Health Sciences 1000 - Introduction to Addiction Studies
 Health Sciences 2120 - Counselling II (Group Counselling)
 Health Sciences 2245 - Assessment of Addictions
 Health Sciences 3002 - Health Education and Promotion
 Sociology 1000 - Introduction to Sociology

Students in the Post-Diploma B.H.Sc. (Extended) program must successfully complete the qualifying courses with a cumulative grade point average of at least 2.50 before proceeding into the second semester of the program.

b. General Requirements:

In total, students must meet all of the following requirements:

1. Successful completion of at least 25 course equivalents (75.0 credit hours) with a cumulative 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 Health Sciences courses taken for credit toward 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 10, p. 88**).
4. Attain a passing grade on the required internship course (Health Sciences 4050).
5. Not more than three Independent Study courses may be taken for credit toward the degree (see **Section 7.a.2, p. 201**).
6. Residence requirement: 23 courses (69.0 credit hours), including a minimum of 15 (45.0 credit hours) in Health Sciences.
7. All degree requirements must be completed within seven years of the first Health Sciences course used for credit toward the degree.

c. Course Requirements:

1. Health Sciences Courses

- Health Sciences 1000 - Introduction to Addiction Studies
- Health Sciences 2120 - Counselling II (Group Counselling)
- Health Sciences 2245 - Assessment of Addictions
- Health Sciences 3002 - Health Education and Promotion
- Health Sciences 3120 - Counselling III (Family Counselling)
- Health Sciences 3130 - Diversity and Counselling
- Health Sciences 3140 - Neurophysiology of Addictions
- Health Sciences 3150 - Adult Psychopathology
- Health Sciences 3240 - Issues in Addiction and Mental Health
- Health Sciences 3260 - Research in Addictions
- Health Sciences 3420 - Ethics in Addictions Counselling
- *Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
- Health Sciences 3749 - Studies in Specific Addictive Disorders
- Health Sciences 3759 - Addictions in Particular Populations
- Health Sciences 4050 - Internship in Addictions Counselling II
- Health Sciences 4200 - Community Development and Outreach

2. Other Required Courses

- Sociology 1000 - Introduction to Sociology
- Writing 1000 - Introduction to Academic Writing

One of:

- Sociology 2020 - Social Problems

Sociology 2500 - Deviance, Conformity and Social Control

3. Electives

Fine Arts and Humanities Elective
Science Elective

**Or any other Statistics course approved by the Dean
New Post-Diploma B.H.Sc. students should contact a Faculty of Health Sciences Academic Advisor for program planning.*

d. Possible Sequencing of Courses

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/adcs_bhsc_pd_ext for a suggested sequencing plan for the Addictions Counselling major in the Post-Diploma B.H.Sc. (Extended) program.

Part II

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I. 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.).

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.

The Faculty offers a two-year, 20-course Post-Diploma program leading to the Bachelor of Management degree (or 24 courses for students taking the Post-Diploma Qualifying program). 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.

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.

The Faculty of Management offers a Professional Diploma in Accounting (PDA) for students seeking a professional CA, CMA, CGA, or CPA designation (see Section 17, p. 233).

The Faculty of Management also offers a Bachelor of Management (B.Mgt.) as a second degree program (see **Section 13, p. 231**).

The Faculty of Management offers minors in First Nations' Governance, Information Systems, International Management, New Media, Social Responsibility, and Supply Chain Management (see **Section 12. Minors, p. 229**).

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. 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. 214**). For information on specific majors and minors for the Calgary and Edmonton campuses, please contact the campus offices.

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:

- Admission to Management programs.
- Advance approval of programs based on transfer credit.
- B.Mgt. as a second degree.
- Authorized study at other universities.

Students may obtain advice and information from the Faculty of Management Undergraduate Programs Office for:

- Program selection and planning.
- Academic regulations and degree requirements.
- Grading system and appeals.
- Future scheduling of courses.
- Prerequisite(s), corequisite(s), and recommended backgrounds.
- Availability of Independent and Applied Study.
- Eligibility for the Post-Diploma Program.

4. ADMISSION

Students applying to Management programs are advised to refer to **Section 2, p. 214** and **Part I, Section 3, p. 26**. For application and document deadlines, see **Part I - Admission, p. 25**.

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:

- 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 I - Admission** of this Calendar are applicable in this section, unless otherwise noted in this section.)
 - Alberta or other Canadian high school credentials.
 - Transfer from recognized colleges or universities.
 - Adult (Mature) Admission.
 - Credentials from other countries.
- As outlined in **Part I - Admission, Section 3.a.1. (p. 26)**, all applicants must satisfactorily complete 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. 26**)
 - A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)

**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.

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

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

b. Post-Diploma Bachelor of Management (20 course)

1. 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 2.0.

2. Qualifying Program

Some approved college diplomas are not directly admissible to the Post-Diploma Bachelor of Management Degree program (based on program content). For these diplomas, a student may enter the Post-Diploma Bachelor of Management Degree program by successfully completing the Qualifying program. For current information on approved diploma programs, see www.uleth.ca/postdiploma.

A student may gain admission to the Qualifying program by completing one of these approved diplomas in business administration, management, or a related discipline with a cumulative grade point average (GPA) at or above the current admission cut-off and not less than 2.0.

See **Section 11.a (p. 225)** for details on the courses in the Qualifying program.

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 2.0. 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 5 (p. 216)**.

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 2.0 (based on a 4.0 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 I - 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. 34)**. 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 16 (p. 231)**.

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 2.0 (based on a 4.0 scale) on the last 20 graded university-level semester courses. Courses for the Professional Diploma in Accounting program in Management are listed in **Section 17 (p. 233)**.

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 2.0. 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 who are in the final semester of an approved college diploma program 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 2.0. 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. 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.

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.

For students who successfully complete the minimum required work terms and all the degree requirements in the B.Mgt. degree 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 Withdrawal with Cause ('WC'), in accordance with University of Lethbridge policy (see **Part 4, Section 2, p. 70**). Where approval is granted by the Coordinator of Co-operative Education and the Director of Student Program Services, 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.

Further information and details concerning admission and requirements may be obtained from the Office of Co-operative Education Programs (AH154; tel. 403-380-1810).

b. Transfer of Co-op Work Terms

For the purpose of fulfilling the Management 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 Management Co-op 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').

6. 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 grade point average (GPA):

Number of Completed Courses (includes transfer courses)	GPA (UofL)
1-10	1.70
11-20	1.85
21 or more	2.00

b. Academic Probation

Students whose cumulative grade point average 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 grade point average, 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:

Number of Completed Courses (includes transfer courses)	GPA (UofL)
6-10	1.50
11-20	1.70
21 or more	2.00

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 grade point average.

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.

7. 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 corequisites(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. 304** and **Part 4 - Academic Regulations, Policies and Program Requirements, Section 2.d. Waiver of Prerequisite/Corequisite, p. 73**).

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. 73**), 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
- a maximum of 6.0 credit hours in Applied Studies 2000/2001 and Applied Studies 2010/2011.

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 (AH154; 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. An 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 grading mode is standard.

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.

No student shall receive credit for more than three such Independent Studies while registered in the Bachelor of Management or Post-Diploma Bachelor of Management programs (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

8. GRADUATION

a. Minimum Grade Requirement

Students must meet the minimum grade requirement specified for their program—see Bachelor of Management (**p. 219**), Post-Diploma Bachelor of Management (**p. 225**), Certificate Programs (**p. 231**), B.A./B.Mgt. or B.Sc./B.Mgt. (**p. 271**), B.Mgt./B.Ed. (**p. 268**), Post-Diploma B.Mgt./B.Ed. (**p. 293**), and Professional Diploma in Accounting (**p. 233**).

b. Minimum Cumulative Grade Point Average

For graduation, a student must attain a minimum cumulative grade point average of 2.00 in courses taken at the University of Lethbridge. Courses from another institution accredited to a transfer student are not included in calculation of the cumulative grade point average.

A student must also attain a minimum Graduation grade point average of 2.00 to graduate with a Bachelor of Management degree, a Management Certificate, or the Professional Diploma in Accounting.

c. How Graduation GPA is Calculated

The Faculty of Management calculates Graduation GPA as follows:

Program	How GPA is Calculated
B.Mgt. (first degree)	GPA calculated on the last 20 courses ¹ taken at the UofL
Post-Diploma B.Mgt.	GPA calculated on the last 20 courses ¹ taken at the UofL
B.Mgt. (second degree)	GPA calculated on the last 20 courses ¹ required for the second degree taken at the UofL
B.Mgt./B.Ed.	GPA calculated on all Mgt. courses (from 10-16) taken at the UofL
Post-Diploma B.Mgt./B.Ed.	GPA calculated on the 8 Mgt. courses and 7 Arts & Science courses ² , required for the combined degree, taken at the UofL
B.A./B.Mgt., B.Sc./B.Mgt., B.F.A. (New Media)/B.Mgt., and B.H.Sc./B.Mgt.	GPA calculated on all Mgt. courses (from 10-20) taken at the UofL
Management Certificate and Professional Diploma in Accounting	GPA calculated on all Mgt. and non-Mgt. courses (from 5-10), required for the Mgt. Certificate or Professional Diploma in Accounting, taken at the UofL

1. The 20 courses needed for GPA calculation will be counted starting from the most recent courses completed to the least recent. If the 20th course falls in a semester where the student has completed more courses than needed for GPA calculation, the courses with the highest grades in that semester will be used.
2. May be less than 7 Arts and Science courses.

d. Limit on Introductory-Level Courses

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. 73**).

e. Maximum Number of Activity Courses

Not more than four Activity courses (that is, courses with a weighting of 1.5 credit hours) may be taken for credit towards the degree.

f. Residence Requirement

A student must satisfy the minimum residence requirement through successful completion of courses, or their equivalent, at the University of Lethbridge as follows:

B.Mgt.

As the first degree:

20 courses, including 10 3000/4000-level courses in Management.

As the second degree:

15 courses, including at least 10 3000/4000-level courses in Management.

Post-Diploma B.Mgt.

20 courses

Note: Courses taken as part of the Qualifying Program cannot be counted toward the residence requirement.

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 UofL.

g. 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.

h. General Liberal Education Requirement

See **Part 4 - Academic Regulations, Section 10 (p. 88)**.

9. 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 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 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 3.5 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 8.c. (p. 218)** for information on how the Graduation GPA is calculated.

10. 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.

Students are advised to take the following courses in their first year:

Management 1000 - Introduction to Management
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 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:

Writing 1000 - Introduction to Academic Writing
A university English course

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

b. Major Requirements

I. Accounting

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

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. 89) 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. 88**)

Four electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/acct_seq for a suggested sequencing plan for the Accounting major in the Bachelor of Management program.

2. Computer Science

*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
Management 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. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

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/2013-14/management/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. 89) 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. 88**)

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/2013-14/management/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
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. 89) 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. 88**)

Four electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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 I - 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 ¹
- *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 ²
- *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 ¹
- *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. 88**)
- One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)
- 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/2013-14/management/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. 88**)
- Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)
- One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)
- Three electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/gen_seq for a suggested sequencing plan for the General Management major in the Bachelor of Management program.

7. Human Resource Management and Labour Relations

- Management 2700 - Research Methodology
- Management 3310 - Collective Labour Relations
- Management 4310 - Advanced Organizational Behaviour
- Management 4350 - Staffing
- Three of:**
 - Management 3305 - Managing Employee Health and Safety
 - Management 3315 - Diversity in Employment
 - Management 3920 - Project Management
 - Management 4305 - Canadian Labour and Employment Law

Management 4315 - Performance Management
 Management 4330 - Collective Bargaining
 Management 4370 - Leadership in Organizations
 Management 4390 - Leading Organizational Change

One of:

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

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. 88**)

One Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

Three electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/hr_seq for a suggested sequencing plan for the Human Resource Management and Labour Relations major in the Bachelor of Management program.

8. Information Systems

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. 89) 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. 88**)

Four electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/is_seq for a suggested sequencing plan for the Information Systems major in the Bachelor of Management program.

9. International Management

Management 2700 - Research Methodology

Four of:

Management 3070 - Introduction to Supply Chain Management
 Management 3460 - Global Financial Management
 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 3690 - Management in World History
 Management 3815 - Regional Aspects of International Management (Series)
 Management 3860 - Law and Institutions of International Trade
 Management 4220 - Cross-Cultural Marketing
 Management 4551 - Sustainable Tourism
 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.

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. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

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:

- a. Minor: French
Four courses in French
- b. Minor: German
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 3000/4000 level Management electives

Two electives chosen to meet the General Liberal Education Requirement

The exchange courses are part of the 40 courses required for the Bachelor of Management degree.

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 UofL credit system.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/intl_mgt_seq for a suggested sequencing plan for the International Management major in the Bachelor of Management program.

10. 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 2200 - Classical Sociological Theory
Sociology 2600 - The Individual and Society

One of:

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

Three 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
Management 3806 - Small Business
Management
Management 4210 - Advertising and
Promotions
Management 4220 - Cross-Cultural Marketing

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. 88**)

Two electives offered by any faculty, any level

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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. 88**)

Two Science courses chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

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/2013-14/management/poli_seq for a suggested sequencing plan for the Political Science major in the Bachelor of Management program.

II. 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 are strongly encouraged to consult with an academic advisor if they have questions.

Minimum Grade Requirement

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 (*) in order to meet degree requirements.

Note: Students who take Economics 1010 and/or Economics 1012 as part of their degree requirements must achieve a minimum grade of 'C-'.

a. Post-Diploma Program (25 course)

Students will complete 15 Management courses as specified in the majors that follow, and 10 Arts and Science or Fine Arts courses, eight of which are required to complete a modified General Liberal Education Requirement as defined in **Part 4 - Academic Regulations, Section 10 p. 88**.

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

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. 88)

Two electives chosen from any list of the General Liberal Education Requirement (see Part 4, Section 11, p. 88)

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. 226, in Part 11 - Faculty of Management for all Management major requirements). For example, students who choose the International Management major are required to complete a Language minor and are required to take 30 courses in order to meet degree requirements (see Section 11.b.7., p. 228, in Part 11 - Faculty of Management).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/gen_pd_25_seq for a suggested sequencing plan for the General Management major in the Post-Diploma Bachelor of Management (25 course) program.

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, eight of which are required to complete a modified General Liberal Education Requirement as defined in **Part 4 - Academic Regulations, Section 10 p. 88**. 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. Students should consult with an academic advisor and see www.uleth.ca/postdiploma for information on specific diplomas.

Qualifying Program

The Qualifying program consists of the following four courses:

Management 2400 - Management Accounting
 Management 3040 - Finance
 Management 3080 - Managerial Skill Development

¹One of:

Writing 1000 - Introduction to Academic Writing
 A university English course

¹Once admitted to the Post-Diploma Bachelor of Management program, Writing 1000 or a university English course will be used as a Fine Arts/Humanities elective, and a 3000/4000 Management course must be taken to replace it to ensure Qualifying students take a total of 24 courses.

Note: Management 2400 and Management 3040 have prerequisite requirements. Students are responsible for ensuring that they have the necessary prerequisite(s).

Students in the Qualifying program must apply to move from the Qualifying to the Post-Diploma Bachelor of Management Degree program by filling out an *Application for Admission to Specialized Programs* form before the application deadlines (**June 1** for Fall admission and **November 1** for Spring admission). In order for the application to be successful, students must complete the qualifying courses at the University of Lethbridge, and achieve a grade point average of at least 2.50. If successful, applicants proceed to Years Three and Four of the Post-Diploma Bachelor of Management Degree program and must take 20 additional courses.

Note that the minimum grade requirements must be met (see **Section 11, p. 225**).

Students in the Qualifying program cannot take courses which are part of the degree unless they receive permission from an academic advisor. If students take these courses without obtaining permission in advance, these courses will not count toward the 20-course Post-Diploma degree.

Eligibility for Majors

The Post-Diploma and Qualifying programs are 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 5, p. 216**).

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:

Writing 1000 - Introduction to Academic Writing
A university English course

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

Major Requirements

I. Accounting

Economics 3030 - Managerial Economics
Management 3131 - Management Control Systems
Management 3151 - Introduction to Tax
Management 3160 - Auditing
Management 4160 - Accounting Theory

Three of:

Management 3101 - Intermediate Financial Accounting II
Management 3170 - Accounting Information Systems
Management 3470 - Corporate Finance
Management 4110 - Advanced Financial Accounting
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. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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 ¹
- *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 ²
- *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 ¹
- *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. 88**)

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/2013-14/management/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. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

Two electives chosen from any list of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

One elective chosen from any list of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/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

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
 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. 88**)

One Social Science course chosen to ensure completion of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/is_pd_seq 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 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 3690 - Management in World History
 Management 3815 - Regional Aspects of International Management (Series)
 Management 3860 - Law and Institutions of International Trade
 Management 4220 - Cross-Cultural Marketing
 Management 4551 - Sustainable Tourism
 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. 88**)

One elective chosen from any list of the General Liberal Education Requirement (see **Part 4, Section 10, p. 88**)

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
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 3000/4000 level Management electives

Two electives chosen to meet the General Liberal Education Requirement

The exchange courses are part of the 20 courses required for the Bachelor of Management degree.

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 UofL credit system.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/intl_mgt_pd_seq 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 2200 - Classical Sociological Theory
Sociology 2600 - The Individual and Society

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
Management 3806 - Small Business Management
Management 4210 - Advertising and Promotions
Management 4220 - Cross-Cultural Marketing

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. 88**)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/management/mkt_pd_seq for a suggested sequencing plan for the Marketing major in the Post-Diploma Bachelor of Management program.

12. 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 4120 - Historical and Legal Aspects of First Nations' Governments
Management 4508/Native American Studies 4150 - 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

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 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 3690 - Management in World History
Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing
Management 4551 - Sustainable Tourism
Management 4580 - Environmental Management
Management 4640 - Cross-Cultural Work Study

International Exchange Semester

Participation in an international exchange semester is required. Students complete one required course at the UofL and then complete the equivalent of three courses while on exchange at a partner school. 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 2010 - Visual Communications for New Media
New Media 2030 - Digital Video Production
New Media 3150 - Seminar in New Media Studies
New Media 3250 - Media, Advertising, and Consumer Culture
¹New Media 3520 - Web Design and Development
¹New Media 3520 has a prerequisite of New Media 2010 or Art 3060.

e. 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 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 4551 - Sustainable Tourism
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.

f. 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 3862 - 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.

13. 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 ten 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.

14. 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.

15. 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 when 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**.

16. 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.

Each program is composed of a series of 10 courses designed to provide a suitable combination of breadth and depth of knowledge in a specific area of study. Students must complete a minimum of five courses at the University of Lethbridge after admission to the Certificate program.

Many of the courses in the Certificate program have prerequisite, corequisite, and/or recommended background requirements. Students are responsible for ensuring that they have the necessary prerequisite(s), corequisite(s), and/or recommended background. In some cases additional courses may be required. Students who do not have the stated prerequisite(s) and/or corequisite(s), but believe they have the required background knowledge and/or skills, must contact an Academic Advisor about the possibility of obtaining a waiver.

Minimum Grade Requirement

A minimum grade of 'C-' is required in all courses taken towards a Certificate program.

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 2060 - Introduction to Information Technology
 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 three 3000/4000-level courses in Management, which may include either one Management Applied Study or Management Independent Study

d. Human Resource Management and Labour Relations Certificate

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

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 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 3690 - Management in World History
- Management 3815 - Regional Aspects of International Management (Series)
- Management 3860 - Law and Institutions of International Trade
- Management 4220 - Cross-Cultural Marketing
- Management 4551 - Sustainable Tourism
- 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, German, 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 UofL 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 8.f. p. 219**).

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).

17. PROFESSIONAL DIPLOMA IN ACCOUNTING (PDA)

The Faculty of Management offers a 10-course Professional Diploma in Accounting for students with an undergraduate degree seeking a professional accounting designation as a Chartered Accountant (CA), Certified Management Accountant (CMA), Certified General Accountant (CGA), or Chartered Professional Accountant (CPA).

Students can earn the PDA by completing the following 10 courses:

- Management 3101 - Intermediate Financial Accounting II
- Management 3151 - Introduction to Tax
- Management 3160 - Auditing

One of:

- Management 3130 - Cost Accounting
- Management 3131 - Management Control Systems

One of:

- Management 4110 - Advanced Financial Accounting
- Management 4130 - Advanced Managerial Accounting II
- Management 4160 - Accounting Theory

Five of:

- Management 2020 - Marketing
- Management 3010 - Management Law
- 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 3100 - Intermediate Financial Accounting I
 Management 3170 - Accounting Information Systems
 Management 3460 - Global Financial Management
 Management 3470 - Corporate Finance
 Management 4090 - Management Policy and Strategy
 Management 4110 - Advanced Financial Accounting
 Management 4151 - Advanced Tax
 Management 4160 - Accounting Theory

Many of these courses have prerequisite, corequisite, and/or recommended background requirements. Students are responsible for ensuring that they have the necessary prerequisite(s), corequisite(s), and/or recommended background. In some cases additional courses may be required. Students who do not have the stated prerequisite(s) and/or corequisite(s), but believe they have the required background knowledge and/or skills, must contact an Academic Advisor about the possibility of obtaining a waiver.

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 professional bodies (CGA, CMA, and CA) have their own minimum grade requirements. For further information, please contact an academic advisor or professional body representative.

Chartered Accountant (CA) Designation

The Faculty of Management, with the support of the Institute of Chartered Accountants of Alberta and the Chartered Accountants Education Foundation of Alberta, offers prerequisite courses in Calgary, Edmonton, and Lethbridge to meet CA School of Business (CASB) entrance requirements. In order to obtain the Chartered Accountant (CA) designation, students must accomplish the following:

1. complete prerequisite requirements through the UofL's Professional Diploma in Accounting program
2. enrol in CASB
3. complete the CASB modules
4. successfully complete the Uniform Final Exam
5. obtain a prescribed term of professional experience with a CA Training Office

See Section 4.g. (p. 215) for admission requirements.

Depending on their prior accounting experience, students may need up to 14 courses to meet the CASB prerequisites. To be awarded the Professional Diploma in Accounting, students must complete a minimum of five courses at the UofL and any 10 of the courses listed above for the Professional Diploma in Accounting, or equivalents.

Following is a list of courses required by CASB that are provided by the Professional Diploma in Accounting. Students should note that Management 2100 and Management 2400 are prerequisites for Management 3100 and Management 3130, but cannot be used to fulfill the requirements for the Professional Diploma in Accounting. Students must complete or otherwise satisfy all prerequisites in order to register for courses in this list.

Management 2020 - Marketing
 Management 3010 - Management Law
 Management 3031 - Managing Responsibly in a Global Environment
 Management 3040 - Finance
 Management 3061 - Information Systems and Management
 Management 3100 - Intermediate Financial Accounting I
 Management 3101 - Intermediate Financial Accounting II
 Management 3130 - Cost Accounting
 Management 3151 - Introduction to Tax
 Management 3160 - Auditing

One of:

Management 3460 - Global Financial Management
 Management 3470 - Corporate Finance

One of:

Management 4110 - Advanced Financial Accounting
 Management 4160 - Accounting Theory

Part 12

SOCIAL WORK (THE UNIVERSITY OF CALGARY) - LETHBRIDGE DIVISION

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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), c/o 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.

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 April 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
- Extencicare 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, 3 or 5 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. Becoming an Evidence Based Leader
5. Policy as Context for Clinical Work
6. Diversity Oppression and Social Justice
7. Elective I
8. Elective II
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.

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I. 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 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.*

Note: *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 I - Admission, p. 25**.

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.

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.

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Arts and Science courses and 5 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 UofL and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours).
- 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. 163**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
- obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university
- Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
2. 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 4.0 is required on all graded courses comprising the minor.
 - Physical Education - completion of a Physical Education and Sport Activities report which must include:
 - 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. 160)** 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. 160)** 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. 88**).
 - c. Not more than 10 courses (30.0 credit hours) completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE).
 - d. Completion of at least 10 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).
 - e. Not more than three Independent Study courses (9.0 credit hours) may be completed for credit toward the degree.
 - f. Not more than three Disciplinary Credit Applied Studies courses (9.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.
 - g. Not more than 17 courses (51.0 credit hours) may be completed from any one discipline (see **Part 7, Section 6, Arts & Science Disciplines, p. 104**).

Note: *Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
 - h. Not more than four Activity courses (i.e. courses labelled PHAC and MUSE; maximum 6.0 credit hours) may be completed for credit towards the degree, except for Kinesiology majors (not more than 10 Activity courses; 15.0 credit hours) and Music majors (not more than 8 Activity courses; 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. 73.**)

c. Faculty of Education Degree Requirements for the 50-Course B.A./B.Ed. or B.Sc./B.Ed.

I. General Requirements for the B.Ed.

- a. Application and admission to the Faculty of Education.
- b. Completion of the equivalent of 20 Education courses including:

Education 2500

*Professional Semesters I, II and III

**One Education Foundation course

Three Education electives

**Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.*

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

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

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

2. One appropriate Independent Study.

- c. Maintenance of a program grade point average of 2.50 in Education courses.
- d. Completion of the appropriate Education major as defined by the program.
- e. Maintenance of a program GPA of 2.50 in the appropriate Education major.
- f. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- g. Residence requirement: see **Section 3.h., p. 260** for details.

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

1. Arts and Science Majors

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

For the B.Sc., a major program must be chosen and completed from among the following majors: Biological Sciences, Chemistry, Geography, Mathematics, Physics, or a General Major in the Sciences. The majors in Agricultural Biotechnology, Agricultural Studies, Archaeology and Geography, Biochemistry, Computer Science and Geographical Information Science, Environmental Science, Exercise Science, Kinesiology, Neuroscience, and Remote Sensing are specifically excluded.

- b. All specific requirements for a disciplinary major or the Combined Degrees major as outlined in the next section must be fulfilled.
- c. At least half the required courses in the major must be completed at the University of Lethbridge.
- d. General Majors (B.A./B.Ed. or B.Sc./B.Ed.) in the Humanities, Social Sciences or Sciences require at least 16 courses for the major; at least six of which must be at the 3000/4000 level. General Majors in the Humanities must complete a course in a language other than English; General Majors in the Social Sciences must complete a 'Quantitatively-based Methodology' course; General Majors in the Sciences must complete a 'Science in Human Affairs' course. For purposes of the B.A. degree with a General Major in the Humanities, French, German and Spanish may not be considered as separate disciplines.

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.

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, Archaeology and Geography, Biochemistry, Computer Science, Computer Science and Geographical Information Science, Environmental Science, Exercise 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 (Kinesiology for the B.Sc. is specifically excluded);
- a Combined Degrees major;
- the major in Canadian Studies; or,
- a General Major in the Humanities, Social Sciences or Sciences (as specified by the Education major).

3. Eligible Major Combinations for Combined Degrees Programs

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

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

<i>Arts and Science Major</i>	<i>Education Major</i>
General Major in the Sciences	Mathematics Education
General Major in the Sciences	Science Education
General Major in the Social Sciences	Native Education
General Major in the Social Sciences	Physical Education
General Major in the Social Sciences	Social Studies Education

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

a. Art Education

Students may meet the Art Education major requirements by completing the 13-course (39.0 credit hours) disciplinary major in Art.

Required courses:

Art 2031 - Foundation Studio (Drawing and Image)

Art 2032 - Foundation Studio (Object and Space)

Art 3010 - Drawing I

Art 3060 - Media Arts I (Computer Art)

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 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 (3.0 credit hours):

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 of (12.0 credit hours):

- Art 3005 - Printmaking I
- Art 3006 - Printmaking II
- Art 3022 - Painting I
- Art 3023 - Painting II
- Art 3026 - Photo-Arts I
- Art 3027 - Photo-Arts II
- Art 3032 - Sculpture I
- Art 3033 - Sculpture II
- Art 3061 - Media Arts II (Video
Sketchbook)
- Art 3011 - Drawing III OR
Art 3160 - Drawing II (The Body)

Courses in Art and Art History/Museum Studies are offered by the Faculty of Fine Arts. Art and Art History/Museum Studies courses taken by students registered in the Faculty of Arts and Science count in their programs as Arts and Science courses.

Students with an interest in Art Education are also referred to the combined B.F.A. (Art)/B.Ed. (Section 4, p. 260).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/art_ba_bed.

Art/Art Education

Minimum number of credit hours
required 39.0
Number of cognate credit hours required . . . 0

**Total number of credit hours
required for the disciplinary Art/Art
Education major 39.0**

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

This section is expressed in credit hours to
account for Art courses which are worth 6.0
credit hours.

- b. Career and Technology Studies (CTS):
Business Focus**
Students majoring in CTS: Business Focus must
meet the requirements of the combined B.Mgt./
B.Ed. program (Section 7, p. 268).
- c. Drama Education**
Students may meet the Drama Education major
requirements by completing the 14-course
disciplinary major in Dramatic Arts.
- Required courses:**
Drama 1000 - Introduction to Dramatic Arts
Drama 2100 - Play Reading and Analysis
Drama 2120 - History and Development of
Theatre I
Drama 2130 - History and Development of
Theatre II
Drama 2420 - Directing: Fundamentals

Drama 2810 - Introduction to Stagecraft
Drama 3130 - Canadian Theatre

One of:

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

One of:

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

Two of:

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

Two Drama electives at or above the 3000 level

Required cognate:

One of:

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

It is recommended that students consider
additional courses from the Dramatic
Literature series of the Department of English.
Courses in Drama are offered by the Faculty of
Fine Arts. Drama courses taken by students
registered in the Faculty of Arts and Science
count in their programs as Arts and Science
courses.

Students with an interest in Drama Education
are also referred to the combined B.F.A.
(Dramatic Arts)/B.Ed. (Section 5, p. 263).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/dram_ba_bed.

Dramatic Arts/Drama Education

Minimum number of Drama courses
required 13
Number of cognate courses required 1

**Total number of courses required for the
disciplinary Dramatic Arts/Drama
Education major 14**

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

- d. English Language Arts Education**
Students may meet the English Language Arts
Education major requirements by completing
the 13-course disciplinary major in English or
the 16-course General Major in the
Humanities.

- I. Thirteen-course disciplinary major in English

Required courses:

English 1900 - Introduction to Language and Literature - or equivalent

At least FOUR courses at the 2000 level, including at least TWO from each of the following categories:

- a. 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
- b. 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

At least EIGHT courses at the 3000 and 4000 levels drawn from at least FIVE of the following subfields. At least TWO of the eight courses must be at the 4000 level:

- 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.

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.

Note: All B.A./B.Ed. students must present among the 13 courses, the following:

English 2610 - Survey of Children's Literature
 One course 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.

Recommended courses also include:

English 2800 - Rhetoric
 English 3602 - Shakespeare

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/engl_ba_bed.

English/English Language Arts Education

Minimum number of English courses required 13
 Number of cognate courses required 0

Total number of courses required for the disciplinary English/English Language Arts Education major 13

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

2. Sixteen-course General Major in the Humanities

Required courses:

At least seven courses in English
 *Four courses in each of two other disciplines in the Humanities
 One course in a language other than English
 At least six courses must be at the 3000/4000 level

*The other two Humanities disciplines must be chosen from among the following streams:

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

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/2013-14/education/gen_hum_ela_ba_bed.

General Major in the Humanities/English Language Arts Education

Total number of Arts and Science courses required for the General Major in the Humanities/English Language Arts Education major 16

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

e. Mathematics Education

Students may meet the Mathematics Education major requirements by completing the 13-course Combined Degrees major in Mathematics or the 16-course General Major in the Sciences.

1. Thirteen-course Combined Degrees major in Mathematics

Students must complete at least 13 courses offered by the Department of Mathematics and Computer Science, including the following:

Required courses:

- 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

One additional Mathematics or Statistics course at the 3000/4000-level regularly offered by the Department of Mathematics and Computer Science (excluding Mathematics 3980/ Mathematics 4980, Statistics 3980/ Statistics 4980 - Applied Studies and Mathematics 3990/ Mathematics 4990, Statistics 3990/ Statistics 4990 - Independent Study)

Required cognates:

- Computer Science 1620 - Fundamentals of Programming I
- Statistics 1770 - Introduction to Probability and Statistics
- Statistics 2780 - Statistical Inference

Note: A 3000/4000-level Mathematics course regularly offered by the Department of Mathematics and Computer Science (excluding Mathematics 3980/ Mathematics 4980 - Applied Studies or Mathematics 3990/Mathematics 4990 - Independent Study) may replace Statistics 2780 in the list of required cognate courses.

The Computer Science major in Arts and Science does not meet the Mathematics Education major requirements.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/math_bsc_bed.

Mathematics/Mathematics Education

Minimum number of Mathematics courses required 10
 Number of cognate courses required 3

Total number of courses required for the Combined Degrees Mathematics/Mathematics Education major 13

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

2. Sixteen-course General Major in the Sciences

Required courses:

At least seven courses in Mathematics

- * Four courses in each of two other disciplines in the Sciences
 - ** One course in Science in Human Affairs
- At least six courses must be at the 3000/4000 level

- * The other two Science disciplines must be chosen from among the following streams:
 - Archaeology (all courses designated Science; Liberal Education 3600 may be substituted for one of the courses in Archaeology)
 - Biological Sciences (all Biology courses)
 - Chemistry (all courses; includes courses in Biochemistry)
 - Computer Science (all courses)
 - Geography (all courses designated Science; includes courses in Geology)
 - Kinesiology (all courses designated Science; Physical Activity courses may not be included)
 - Neuroscience (all courses)
 - Physics (all courses; includes courses in Astronomy and Engineering)
 - Psychology (all courses designated Science)

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

** The Science in Human Affairs course must be chosen from the following:

- 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

Note: Some of the above courses have prerequisites which may or may not be included in the major.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/gen_sci_math_bsc_bed.

General Major in the Sciences/Mathematics Education

Total number of Arts and Science courses required for the General Major in the Sciences/Mathematics Education major 16

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

f. Modern Languages Education

Students may meet the Modern Languages Education major requirements by completing the 14-course Combined Degrees major in French, the 14-course Combined Degrees major in German, the 16-course French/German major, or the 16-course French/Spanish major.

- I. Modern Languages Education: French
Fourteen-course Combined Degrees major in 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

Note: *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. 125). These courses will count among the 17 courses allowed from any one discipline, but will not count toward the minimum number of courses required for the major).*

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 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

One of:

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

Two additional French courses at the 3000/4000 level

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 one 13-week off-campus study semester at a francophone university. Students must take two courses for which the language of instruction is French.

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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/fren_ba_bed.

French/Modern Languages Education: French

Minimum number of French courses required	10
Number of cognate or other courses required	4
Total number of courses required for the Combined Degrees French/Modern Languages Education: French major. 14	
<i>(Independent Study - Optional; may be counted in required courses for major)</i>	

- 2. Modern Languages Education: German
Fourteen-course Combined Degrees major in German

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/2013-14/education/germ_ba_bed.

German/Modern Languages Education: German	
Minimum number of German courses required	10
Number of cognate or other courses required	4
Total number of courses required for the Combined Degrees German/Modern Languages Education: German major 14	
<i>(Independent Study - Optional; may be counted in required courses for major)</i>	

3. Modern Languages Education: French/German
Sixteen-course French/German major

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/2013-14/education/fren_germ_ba_bed.

French/German / Modern Languages Education: French/German	
Total number of courses required for the French/German / Modern Languages Education: French/German major 16	
<i>(Independent Study - Optional; may be counted in required courses for major)</i>	

4. Modern Languages Education: French/Spanish
Sixteen-course French/Spanish major

Required courses:

French 3450 - Phonetics and Diction
Six additional courses (18.0 credit hours) in French
Seven courses (21.0 credit hours) in Spanish
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 Spanish

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

One of:

 - *French 2250 - French Immersion
 - *Spanish 2250 - Spanish Immersion

The French Visiting Student Program (FVSP) or Spanish Visiting Student Program (SVSP) normally 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 Modern Languages Education: French/Spanish majors successfully complete French 2250 or Spanish 2250 before enrolling in Professional Semester I.*

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/fren_span_ba_bed.

French/Spanish / Modern Languages Education: French/Spanish

Total number of courses required for the French/Spanish / Modern Languages Education: French/Spanish major 16

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

g. Music Education

Students may meet the Music Education major requirements by completing the 16-course disciplinary major in Music (General Stream).

Required courses:

History

- Music 2180 - History I: Antiquity to the Mid-Renaissance
- Music 2280 - History II: Late Renaissance and Baroque

One of:

- Music 3380 - History III: Classical Music
- Music 3480 - History IV: Romantic 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
- *1.5 credit hours

Studio

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

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

Other

- Music 3500 - Conducting I
- Four Music 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, and a minimum of two semesters (1.5 credit hours each) of: University Singers Vox Musica Wind Orchestra Women's Chorus
Studio string	Orchestra (or through other approved ensemble or Independent Study by permission of the Department of Music)

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

Courses in Music are offered by the Faculty of Fine Arts. Music courses taken by students registered in the Faculty of Arts and Science count in their programs as Arts and Science courses.

Students with an interest in Music Education are also referred to the combined B.Mus./B.Ed. (**Section 6, p. 265**).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/musi_ba_bed.

Music/Music Education

Minimum number of Music courses required 14
Minimum number of Ensemble Activity courses required (one-half credit courses) 4
Number of cognate courses required 0

Total number of courses required for the disciplinary Music/Music Education major 16

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

h. Native Education

Students may meet the Native Education major requirements by completing the 13-course disciplinary major in Native American Studies or the 16-course General Major in the Social Sciences.

1. Thirteen-course major in 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 Education)

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/2013-14/education/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)

Additional Requirements for the Native Education major

A seven-course school subject minor

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)

2. Sixteen-course General Major in the Social Sciences

Required courses:

At least seven courses in Native American Studies (Blackfoot and Cree may not be included)

*Four courses in each of two other disciplines in the Social Sciences

**One Quantitatively-based Methodology course

At least six courses must be at the 3000/4000 level

*The other two Social Sciences disciplines must be chosen from among the following streams:

Anthropology
Archaeology (all courses designated Social Science)

Economics (all courses designated Social Science)

Geography (all courses designated Social Science; Geology courses may not be included)

History
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; Psychology 1000 may be included upon application to the Registrar's Office and Student Services [ROSS])

Sociology
Women and Gender Studies

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

****The Quantitatively-based Methodology course must be chosen from among the following:**

- 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*

Note: *The above courses have prerequisites which may or may not be included in the major.*

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 Education)
- 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)

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/gen_ss_nat_ba_bed.

General Major in the Social Sciences/Native Education

Total number of Arts and Science courses required for the General Major in the Social Sciences/Native Education major 16

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

Additional Requirements for the Native Education Major

- A seven-course school subject minor
- 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)

i. Physical Education

Students may meet the Physical Education major requirements by completing the 15-course disciplinary major in Kinesiology for the B.A. or the 16-course General Major in the Social Sciences.

- I. Fifteen-course disciplinary major in Kinesiology (B.A.)

Required courses:

Twelve theory courses

- Kinesiology 1000 - Wellness and Physical Activity
- Kinesiology 2000 - Foundations of Motor Skill Acquisition

- Kinesiology 2110 - Biophysical Foundations of Human Movement
- Kinesiology 2130 - Humanities Dimensions of Physical Activity Involvement
- Kinesiology 2140 - Psychological Dimensions of Physical Activity Involvement
- Kinesiology 2150 - Sociological Dimensions of Physical Activity Involvement
- Kinesiology 2200 - Research Methodologies in Physical Activity Involvement
- Kinesiology 4620 - Leadership and Management of Kinesiology, Sport and Recreation

Two additional 4000-level Kinesiology courses

Two additional 3000/4000-level Kinesiology courses

Six Physical Activity courses

Six Physical Activity courses including two at the 3000 level or higher

Note: All B.A./B.Ed. students must present, among the six Physical Activity courses, the following:

One course of Gymnastics:
Physical Activity 2135, Physical Activity 3105, Physical Activity 3115 - Gymnastics

One course of Dance:
Physical Activity 2225, Physical Activity 2235, Physical Activity 3225 - Dance

One course of Lifetime Skills:
Physical Activity 2155 - Track and Field I
Physical Activity 2445, Physical Activity 3445 - Resistance Training for Health and Performance
Physical Activity 2635 - Tennis
Physical Activity 2685, Physical Activity 3685 - Badminton
Physical Activity 2705, Physical Activity 2715 - Outdoor Education
Physical Activity 3605 - Conditioning for Cardiovascular Health

One course of Team Sports:
Physical Activity 2505, Physical Activity 3505 - Basketball
Physical Activity 2535, Physical Activity 3535 - Soccer
Physical Activity 2545, Physical Activity 3545 - Volleyball

Students are strongly encouraged to complete Physical Activity courses which complement the school curriculum. Contact Student Program Services in the Faculty of Education for information.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/knes_ba_bed.

Kinesiology/Physical Education

Minimum number of Kinesiology courses required 12

Minimum number of Physical Activity courses required (one-half credit courses) . 6

Number of cognate courses required 0

Total number of courses required for the disciplinary Kinesiology/Physical Education major 15

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

2. Sixteen-course General Major in the Social Sciences

Required courses:

At least seven courses in Kinesiology (designated as Social Science), including the following:
Kinesiology 1000 - Wellness and Physical Activity
Kinesiology 2000 - Foundations of Motor Skill Acquisition
Kinesiology 4620 - Leadership and Management of Kinesiology, Sport and Recreation

*Four courses in each of two other disciplines in the Social Sciences

**One Quantitatively-based Methodology course

At least six courses must be at the 3000/4000 level, at least two of which must be Kinesiology courses

*The other two Social Sciences disciplines must be chosen from among the following streams:

Anthropology
Archaeology (all courses designated Social Science)
Economics (all courses designated Social Science)
Geography (all courses designated Social Science; Geology courses may not be included)
History
Native American Studies (Blackfoot and Cree courses may not be included)
Political Science (all courses designated Social Science)
Psychology (all courses designated Social Science; Psychology 1000 may be included upon application to the Registrar's Office and Student Services [ROSS])
Sociology
Women and Gender Studies

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

**The Quantitatively-based Methodology course must be chosen from among the following:

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

Note: The above courses have prerequisites which may or may not be included in the major.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/gen_ss_phys_ba_bed.

General Major in the Social Sciences/Physical Education

Total number of Arts and Science courses required for the General Major in the Social Sciences/Physical Education major 16

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

j. Science Education

Students may meet the Science Education major requirements by completing the 16-course Combined Degrees major in Biological Sciences, the 15-course Combined Degrees major in Chemistry, the 16-course Combined Degrees major in Geography (Physical Geography), the 16-course Combined Degrees major in Physics or the 16-course General Major in the Sciences.

1. Sixteen-course Combined Degrees major in Biological Sciences

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

Plus: A minimum of two courses in two of the following areas: Cellular and Molecular Biology, Organismal Biology, Ecology and Evolutionary Biology, and a minimum of one course in the third area as listed below. Of these five courses, at least one 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 4800 - Biology of Symbiotic
 Interactions

*Prerequisite required: *Environmental Science 2000.*

Required cognates:

Biochemistry 2000 - Introductory
 Biochemistry
 Chemistry 1000 - General Chemistry I
 Chemistry 2000 - General Chemistry II
 Chemistry 2500 - Organic Chemistry I

One of:

Mathematics 1410 - Elementary
 Linear Algebra
 Mathematics 1560 - Calculus I

One of:

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

Recommended course:

Environmental Science 2000 -
 Fundamentals of Environmental
 Science

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/biol_bsc_bed.

Biological Sciences/Science Education

Minimum number of Biology courses
 required 10
 Number of cognate courses required 6

**Total number of courses required
 for the Combined Degrees Biological
 Sciences/Science Education major . . 16**

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

2. Fifteen-course Combined Degrees major
 in Chemistry

The major in Chemistry requires a
 minimum of ten courses in Chemistry or
 Biochemistry; a maximum of 17 courses
 offered by the Department of Chemistry
 and Biochemistry is allowed for the B.Sc./
 B.Ed. degree (see **Part 4, Section 2.c,
 Exceeding Course Limits, p. 73**). In
 addition, at least three courses in
 Mathematics and two courses in Physics
 are required.

List A - Required Chemistry Courses

The following six Chemistry courses must
 be taken:

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

**List B - Elective Chemistry or
 Biochemistry Courses**

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

List C - Required Cognates

The following five courses must be taken:
 Mathematics 1410 - Elementary Linear
 Algebra
 Mathematics 1560 - Calculus I
 Mathematics 2560 - Calculus II

One of:

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

*Engineering 2060 - Engineering Mechanics

Physics 2000 - Introduction to Physics II

**Has prerequisite (Engineering 2000) that is not part of this major.*

Biology 1010 - Cellular Basis of Life is highly recommended for all students in the B.Sc./B.Ed. program whose major is Chemistry.

The major in Chemistry for the Combined Degrees program is not accredited by the Canadian Society for Chemistry nor is it normally sufficient, in the absence of further study in the field, for pursuing graduate studies in Chemistry at a Canadian university.

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. As a result, careful planning of the program for the major in Chemistry is required in order to be in position to take courses when they are offered. Consequently, students who intend to pursue a degree program 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.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/chem_bsc_bed.

Chemistry/Science Education

Minimum number of Chemistry and Biochemistry courses required 10

Number of cognate courses required 5

Total number of courses required for the Combined Degrees Chemistry/Science Education major 15

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

3. Sixteen-course Combined Degrees major in Geography

Required courses:

- Geography 1000 - Introduction to Physical Geography
- Geography 2030 - Geomorphology
- Geography 2300 - Weather and Climate

- Geography 2700 - Geographical Data and Analysis
- Geography 2735 - Introduction to Geographical Information Science

One of:

- 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

Required cognates:

- Biology 1020 - Diversity of Life
- Chemistry 1000 - General Chemistry I
- Physics 1000 - Introduction to Physics I
- Mathematics 1560 - Calculus I
- Two additional lab-based courses in Biology, Chemistry, and/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/2013-14/education/geog_bsc_bed.

Geography/Science Education

Minimum number of Geography courses required 10

Number of cognate courses required 6

Total number of courses required for the Combined Degrees Geography/Science Education major 16

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

4. Sixteen-course Combined Degrees Major in Physics

Required courses:

One of:

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

- 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:

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

One other course offered by the Department of Physics and Astronomy, including courses in Astronomy or Engineering

Required cognates:

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

Mathematics 1410 - Elementary Linear Algebra

- Mathematics 1560 - Calculus I
- Mathematics 2560 - Calculus II
- Mathematics 2570 - Calculus III

*Engineering 2000 and Mathematics 1560 are prerequisites for Engineering 2060.

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

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

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

Consequently, students who intend to pursue a degree program with a major in Physics are strongly advised to seek help in planning their program from the Department of Physics and Astronomy.

The major in Physics for the Combined Degrees program provides a strong foundation in Physics, but it is not normally sufficient, in the absence of further study in the field, for pursuing graduate studies in Physics at a Canadian university.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/phys_bsc_bed.

Physics/Science Education

Minimum number of Physics courses required	10
Number of cognate courses required	6

Total number of courses required for the Combined Degrees Physics/Science Education major 16

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

5. Sixteen-course General Major in the Sciences

Required courses:

At least seven courses in Biology, Chemistry, Physical Geography or Physics

Four courses in one other area of Biology, Chemistry, Physical Geography or Physics

*Four courses from another discipline in the Sciences

**One course in Science in Human Affairs
At least six courses must be at the 3000/4000 level

*The other Science discipline must be chosen from among the following streams:

Archaeology (all courses designated Science; Liberal Education 3600 may be substituted for one of the courses in Archaeology)

Biological Sciences (all Biology courses)
Chemistry (all courses; includes courses in Biochemistry)

Computer Science - all courses
Geography (all courses designated Science; includes courses in Geology)

Kinesiology (all courses designated Science; Physical Activity courses may not be included)

Mathematics (all courses; includes courses in Statistics)

Neuroscience - all courses
Physics (all courses; includes courses in Astronomy and Engineering)

Psychology (all courses designated Science)

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

**The Science in Human Affairs course must be chosen from among the following:

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

Note: Some of the above courses have prerequisites which may or may not be included in the major.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/gen_sci_sci_bsc_bed.

General Major in the Sciences/Science Education

Total number of Arts and Science courses required for the General Major in the Sciences/Science Education major 16

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

k. Social Studies Education

Students may meet the Social Studies Education major requirements by completing the 16-course Combined Degrees major in Anthropology, Economics, Geography, Political Science, or Sociology; the 14-course Combined Degrees major in History; the 16-course major in Canadian Studies; or the 16-course General Major in the Social Sciences.

1. Sixteen-course Combined Degrees major in Anthropology

Required courses:

Anthropology 1000 - The Anthropological Perspective
Anthropology 2010 - Theory I: Historical Foundations of Anthropological Thought

One of:

- Anthropology 2410 - Anthropological Archaeology
- Anthropology 2510 - Language, Culture, and Communication
- Anthropology 3000 - Theory II: Contemporary Anthropological Theory
- One course from Anthropology 3100 - Series on Regional Ethnography
- Two additional Anthropology courses (6.0 credit hours) at the 3000 level, excluding Anthropology 3980 (Applied Studies) and Anthropology 3990 (Independent Study)
- Two Anthropology courses (6.0 credit hours) at the 4000 level, excluding Anthropology 4980 (Applied Studies), Anthropology 4990 (Independent Study), and Anthropology 4995 (Undergraduate Thesis)

- One Anthropology course (3.0 credit hours) at the 2000 level or above

Required cognates:

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Native American Studies 1000 - Introduction to Native American Studies
- Geography 2600 - Canada
- History 1000 - Western Civilization
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Political Science 2210 - Canadian Politics and Government

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/anth_ba_bed.

Anthropology/Social Studies Education

Minimum number of Anthropology courses required 10
Number of cognate courses required 6

Total number of courses required for the Combined Degrees Anthropology/Social Studies Education major 16

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

2. Sixteen-course Combined Degrees major in 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
- Three Economics courses at the 3000/4000 level
- Two additional Economics courses

Required cognates:

- Geography 2600 - Canada
- History 1000 - Western Civilization
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Political Science 2210 - Canadian Politics and Government
- Statistics 1770 - Introduction to Probability and Statistics

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/econ_ba_bed.

Economics/Social Studies Education

Minimum number of Economics courses required 10
Number of cognate courses required 6

Total number of courses required for the Combined Degrees Economics/Social Studies Education major 16

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

3. Sixteen-course Combined Degrees major in 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

Required cognates:

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- History 1000 - Western Civilization
- 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

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/2013-14/education/geog_ba_bed.

Geography/Social Studies Education

Minimum number of Geography courses required 10
Number of cognate courses required 6

Total number of courses required for the Combined Degrees Geography/Social Studies Education major 16

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

4. Fourteen-course Combined Degrees major in History

Required courses:

- History 1000 - Western Civilization
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867

One of:

- History 2001 - Main Themes in Ancient History
- History 2100 - Main Themes in Medieval European History

One of:

- History 2102 - Early Modern Europe - 1500-1750
- History 2150 - The Politics of Europe - 1750-1914

Two of:

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

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

Required cognates:

One of:

- 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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/hist_ba_bed.

History/Social Studies Education

Minimum number of History courses required 10
Number of cognate courses required 4

Total number of courses required for the Combined Degrees History/Social Studies Education major 14

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

5. Sixteen-course Combined Degrees major in Political Science

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
Four Political Science courses at the 3000/4000 level
One Political Science course at the 4000 level

Required cognates:

One of:

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

Geography 2600 - Canada
History 1000 - Western Civilization
History 2710 - Canada to 1867
History 2720 - Canada Since 1867
Native American Studies 1000 - Introduction to Native American Studies

Note: *Political Science 4980 - Applied Studies, Political Science 4990 - Independent Study, and Political Science 4995 - Undergraduate Thesis 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.*

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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/poli_ba_bed.

Political Science/Social Studies Education

Minimum number of Political Science courses required 10
Number of cognate courses required 6

Total number of courses required for the Combined Degrees Political Science/Social Studies Education major 16

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

6. Sixteen-course Combined Degrees major in Sociology

Required courses:

Sociology 1000 - Introduction to Sociology
Sociology 2100 - Research Methodology
Sociology 2200 - Classical Sociological Theory
Sociology 2210 - Contemporary Sociological Theory
Five 3000/4000-level options in Sociology

One of:

Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods

Required cognates:

One of:

Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Native American Studies 1000 - Introduction to Native American Studies
Geography 2600 - Canada
History 1000 - Western Civilization
History 2710 - Canada to 1867
History 2720 - Canada Since 1867
Political Science 2210 - Canadian Politics and Government

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/soci_ba_bed.

Sociology/Social Studies Education

Minimum number of Sociology courses required 10

Number of cognate courses required 6

Total number of courses required for the Combined Degrees Sociology/Social Studies Education major 16

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

7. Sixteen-course major in Canadian Studies.

Required core (11 courses):

English 1900 - Introduction to Language and Literature

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 2300 - Introduction to Modern Literature and Literary Analysis

Geography 2600 - Canada

History 1000 - Western Civilization

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

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)

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

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: The Structures and Powers

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)

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)

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

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

- Psychology 2030 - Methods and Statistics
- Sociology 2130 - Social Statistics I
- Statistics 2780 - Statistical Inference

Note: The above courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/gen_ss_ss_ba_bed.

Canadian Studies/Social Studies Education

Total number of courses required for the Canadian Studies/Social Studies Education major 16

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

- 8. Sixteen-course General Major in the Social Sciences

Required courses:

At least seven courses in History, including the following:
 History 1000 - Western Civilization
 History 2710 - Canada to 1867
 History 2720 - Canada Since 1867

Four courses in one other Social Science discipline chosen from the following streams: Economics, Geography, or Political Science

*Four courses in one other discipline in the Social Sciences

**One Quantitatively-based Methodology course

At least six courses must be at the 3000/4000 level

*The other Social Science discipline must be chosen from among the following streams:

- Anthropology
- Archaeology (all courses designated Social Science)
- Economics (all courses designated Social Science)
- Geography (all courses designated Social Science; Geology courses may not be included)
- Kinesiology (all courses designated Social Science)
- Native American Studies (Blackfoot and Cree courses may not be included)
- Political Science (all courses designated Social Science)
- Psychology (all courses designated Social Science; Psychology 1000 may be included upon application to the Registrar's Office and Student Services [RÖSS])
- Sociology
- Women and Gender Studies

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

**The Quantitatively-based Methodology course must be chosen from among the following:

- Economics 2900 - Economics and Business Statistics
- Geography 2700 - Geographical Data and Analysis

General Major in the Social Sciences/Social Studies Education

Total number of Arts and Science courses required for the General Major in the Social Sciences/Social Studies Education major 16

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

e. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject, and 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 Focus, 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.

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 courses for completion of a minor are two electives in the school subject (see **Part 8 - Education, Section 5.a.3. Minors for Native Education Majors, p. 162**).

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.

For a listing of Education minor requirements, see **Part 8 - Education, Section 7. Education Minors (p. 166)**.

Students are urged to seek advice from Student Program Services in the Faculty of Education regarding appropriate course choice and an appropriate Education course.

f. 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.

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

Please refer to **Part 8 - Education, Section 8. Education Specializations (p. 170)** for information on Education Specialization Requirements.

g. Academic Regulations

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

h. Residence Requirement

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

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, Education 2510 and Education 4980. The Applied Studies Program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.A./B.Ed. or B.Sc./B.Ed. (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

Study Tours

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

4. BACHELOR OF FINE ARTS (ART)/BACHELOR OF EDUCATION

a. Admission

Students begin this program in the Faculty of Fine Arts where they progress toward completion of Fine Arts degree requirements and prepare to meet the admission requirements for the Faculty of Education. Students admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.F.A. (Art)/B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.F.A. (Art)/B.Ed. After completion of the minimum number of courses required to be eligible for admission to the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.F.A. (Art)/B.Ed. Combined Degrees program.

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

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

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

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the Fall Semester. For application and document deadlines, see **Part 1 - Admission, p. 25**.

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.

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

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

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

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 UofL and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours).
 - 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. 163**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
 - e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language universityStudents are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
2. **Special Case Admission**

Students who have a good academic record but who for some reason had a period of time when their performance was significantly lower, may apply for Special Case admission (up to four such students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 160)** 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. 160) 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 22 Art and/or Art History/Museum Studies courses (66.0 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. 88**).
 3. Completion of at least eight Art and/or Art History/Museum Studies courses (24.0 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. 73**).
 5. 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. 73**).
6. **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 I
*Art 3040 - Advanced Studio (6.0 credit hours)
Art 3060 - Media Arts I (Computer Art)
*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

Art Studio: List I

Two of (6.0 credit hours):
Art 3005 - Printmaking I
Art 3022 - Painting I
Art 3026 - Photo-Arts I
Art 3032 - Sculpture I

Art Studio: List II

Two of (6.0 credit hours):
Art 3006 - Printmaking II
Art 3023 - Painting II
Art 3027 - Photo-Arts II
Art 3033 - Sculpture II
Art 3061 - Media Arts II (Video Sketchbook)
Art 3160 - Drawing II (The Body)

Art Studio: List III

Two of (6.0 credit hours):

Art 3011 - Drawing III
 Art 3015 - Art Studio (Series)
 Art 3024 - Painting III
 Art 3028 - Photo-Arts III
 Art 3034 - Sculpture III
 Art 3035 - Context and Environment
 Art 3062 - Media Arts III (Digital Studio)

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

Art Elective:

One elective Art or Art History/Museum Studies course (3.0 credit hours)

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

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:
 Education 2500
 *Professional Semesters I, II and III (Education 4574)
 **One Education Foundation course
 Three Education electives

*Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to

practicum. The student is responsible for the cost of obtaining such documentation.

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

- a. One course from the following list:
 Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 Education 4311 - World Issues and Problems in Education
 Education 4320 - Education and Society from a Sociological Perspective
 Education 4321 - Social Issues in Education
 Education 4341 - Foundations of Multicultural Education in Canada
 Education 4360 - Studies in the History of Western Education
 Education 4361 - History of Canadian Education
 Education 4362 - Concepts of Childhood in the History of Education
 Education 4380 - Developing a Philosophy of Education
 Education 4381 - Ethics of Teaching
 Education 4391 - Seminar in Educational Foundations (Series)
 - b. One appropriate Independent Study.
3. Maintenance of a program grade point average of 2.50 in Education courses.
 4. Completion of the appropriate Education major as defined by the program.
 5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
 6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

d. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/art_ba_bed for a suggested sequencing plan for the B.F.A. (Art)/B.Ed. Combined Degrees program.

e. Academic Regulations

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

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education methods course, usually selected from the Education 3700 series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Section 7. Education Minors (p. 166)** for information on Education Minor Requirements.

g. 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. 170)** for information on Education Specialization Requirements.

h. Residence Requirement

Students must complete a minimum of 30 courses (90.0 credit hours) at the University of Lethbridge, including a minimum of seven Art and/or Art History/Museum Studies courses (21.0 credit hours) and 15 Education courses. Students should note that the residence requirement for the B.F.A. (Art)/B.Ed. is subject to the Faculty of Fine Arts transfer policy. If a student withdraws from the B.F.A. (Art)/B.Ed. and is admitted to a program offered by the Faculty of Arts and Science, transfer credit will be reassessed based on the Faculty of Arts and Science transfer policy.

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.F.A. (Art)/B.Ed. (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

Study Tours

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

5. BACHELOR OF FINE ARTS (DRAMATIC ARTS)/ BACHELOR OF EDUCATION

a. Admission

Students begin this program in the Faculty of Fine Arts where they progress toward completion of Fine Arts degree requirements, and prepare to meet the admission requirements for the Faculty of Education. Students admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.F.A. (Dramatic Arts)/B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.F.A. (Dramatic Arts)/B.Ed. After completion of the minimum number of courses required to be eligible for admission to the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.F.A. (Dramatic Arts)/B.Ed. Combined Degrees program.

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

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

l. 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 I - Admission, p. 25**.

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.

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:

- 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.

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.*

- A minimum cumulative grade point average of 2.50 on all UofL and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours).
- 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.
- 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. 163**). 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.
- 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-I Alberta Diploma exam
- obtaining a final grade of 80 percent or higher in English Language Arts 30-I or its equivalent from any province
- obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000
- obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

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

- 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. 160)** 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. 160)** for details.

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

1. Completion of 21 Drama courses with a grade point average of at least 2.50.
2. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
3. Completion of at least 10 Drama courses at the 3000/4000 level.
4. A maximum of three Independent Studies (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).
5. 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. 73**).

Required courses:

Drama 1000 - Introduction to Dramatic Arts
Drama 2100 - Play Reading and Analysis
Drama 2120 - History and Development of Theatre I
Drama 2130 - History and Development of Theatre II
Drama 2310 - Acting: Fundamentals
Drama 2420 - Directing: Fundamentals
Drama 2611 - Technical Theatre Portfolio I
Drama 2810 - Introduction to Stagecraft
Drama 3100 - Theatre in Performance
Drama 3600 - Portfolio in Dramatic Arts II
Drama 4420 - Directing

One of:

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

One of:

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

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

One Elective (3.0 credit hours) from any Faculty

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

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:
Education 2500
*Professional Semesters I, II and III (Education 4574)
**One Education Foundation course
Three Education electives
**Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.*
While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.
***The Education Foundation Requirement may be met in the following ways:*
 - a. One course from the following list:
Education 4310 - Comparative Studies of Education in Developed and Third World Nations
Education 4311 - World Issues and Problems in Education
Education 4320 - Education and Society from a Sociological Perspective
Education 4321 - Social Issues in Education
Education 4341 - Foundations of Multicultural Education in Canada
Education 4360 - Studies in the History of Western Education
Education 4361 - History of Canadian Education

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

b. One appropriate Independent Study.

3. Maintain a program grade point average of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

d. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/dram_bfa_bed for a suggested sequencing plan for the B.F.A. (Dramatic Arts)/B.Ed. Combined Degrees program.

e. Academic Regulations

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

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education methods course, usually selected from the Education 3700 series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Section 7. Education Minors (p. 166)** for information on Education Minor Requirements.

g. 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. 170)** for information on Education Specialization Requirements.

h. 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.

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, 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. 73**).

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 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. 25**.

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.

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.

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 UofL and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours).

- c. Completion of a minimum of eight courses (24.0 credit hours) in Music and/or Music Ensemble Activities, including all transferable courses, with a minimum cumulative grade point average of 2.50.

- d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 163**). 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-I Alberta Diploma exam
- obtaining a final grade of 80 percent or higher in English Language Arts 30-I or its equivalent from any province
- obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000

- obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

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

- 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. 160)** 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. 160)** for details.

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

1. Completion of 24 Music courses 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. 88**).

3. Completion of at least 12 Music courses at the 3000/4000 level.

4. A maximum of three Independent Studies (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

5. 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. 73**).

6. Required courses:

Applied

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

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

History

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

Theory

- Music 2160 - Theory I
*Music 2161 - Musicianship Skills I
Music 2260 - Theory II
*Music 2261 - Musicianship Skills II
Music 3360 - Theory III
*Music 3361 - Musicianship Skills III
Music 3460 - Theory IV
*Music 3461 - Musicianship Skills IV
Music 4660 - Form and Analysis

* 1.5 credit hours.

Conducting

- Music 3500 - Conducting I
Music 3600 - Conducting II

Ensembles

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

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

Major Focus Music Ensemble Activity

Studio wind

& percussion Wind Orchestra

Studio voice University Singers or Women's Chorus

Studio pianist
& guitarist

Music Ensemble Activity 2450,
Music Ensemble Activity 2451,
Music Ensemble Activity 3450,
Music Ensemble Activity 3451,
and a minimum of two semesters
(1.5 credit hours each) of:

University Singers

Vox Musica

Wind Orchestra

Women's Chorus

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

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

Elective

One of:

- Music 2500 - Introduction to Music Technology
Music 2850 - Topics in Music
Music 3000 - Seminar in Music (Series) with an emphasis on History
Music 3000 - Seminar in Music (Series) with an emphasis on Literature

- Music 3000 - Seminar in Music (Series) with an emphasis on Pedagogy
Music 3000 - Seminar in Music (Series) with an emphasis on Theory
Music 3030 - Film Music
Music 3149 - Composition I
Music 3606 - Orchestration
Music 3660 - Theory V
Music 3721 - World Music
Music 3850 - Topics in Music
Music 4721 - Canadian Music
Music 4748 - Studio VII - (Instrument)
Music 4850 - Topics in Music
Two Music Ensemble Activity courses (1.5 credit hours each)

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

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:
Education 2500
*Professional Semesters I, II and III (Education 4575)
**One Education Foundation course
Two Education (Music) electives from the following:
Education 3871 - Elementary Music Classroom
Education 3872 - Secondary Music Classroom
Education 3875 - Brass and Percussion Methods
Education 3876 - Woodwind and String Methods
Education 3877 - Vocal and Classroom Instruments Methods
One Education (Fine Arts/Music) elective from the following:
Education 3871 - Elementary Music Classroom
Education 3872 - Secondary Music Classroom
Education 3875 - Brass and Percussion Methods
Education 3876 - Woodwind and String Methods
Education 3877 - Vocal and Classroom Instruments Methods
Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Art)
Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Drama)

*Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

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

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

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

b. One appropriate Independent Study.

3. Maintain a program grade point average of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

d. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/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 degree 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. 166)** for information on Education Minor Requirements.

g. 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. 170)** for information on Education Specialization Requirements.

h. 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.

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, 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. 73**).

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 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 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.

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.

- 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 UofL and transferable courses completed within the semesters containing the last 20 courses (60.0 credit hours).

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 4.0 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

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

- 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. 163**). 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. 160)** 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. 160)** for details.

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

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; and all Management courses.

Note: The Faculty of Management requires that students complete Writing 1000 or a university English course with a minimum grade of 'C-'. However, if a student chooses to meet the Faculty of Education's Writing Proficiency Requirement (WPR) by completing Writing 1000 or a university English course, a minimum grade of 'B' is required.
2. A minimum GPA of 2.00 in Management courses and a cumulative GPA of 2.00.
3. Completion of the General Management Major, comprising the following courses:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Management 1000 - Introduction to Management
- Management 2020 - Marketing
- Management 2030 - Introduction to Organizational Behaviour
- Management 2070/Economics 2070 - Operations and Quantitative Management
- Management 2100 - Introductory Accounting
- Management 2400 - Management Accounting
- Management 2700 - Research Methodology
- Management 3031 - Managing Responsibly in a Global Environment
- Management 3040 - Finance
- Management 3050/Political Science 3420 - Human Resource Management
- Management 3061 - Information Systems and Management
- Management 3080 - Managerial Skill Development

Management 3650 - Introduction to International Management
 Management 4090 - Management Policy and Strategy
 Statistics 1770 - Introduction to Probability and Statistics

One of:

Writing 1000 - Introduction to Academic Writing
 A university English course

Three Management courses at the 3000/4000 level

4. Students are advised to take the following courses in their first year: Management 1000; 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. 88**).
6. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
7. Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

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 10, p. 219, in Part 11 - Faculty of Management** for all Management major requirements).

c. Management Minor Requirements

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 12, p. 230**).

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

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:
 Education 2500
 *Professional Semesters I, II and III
 **One Education Foundation course
 Three Education electives

*Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

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

- a. One course from the following list:
 Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 Education 4311 - World Issues and Problems in Education
 Education 4320 - Education and Society from a Sociological Perspective
 Education 4321 - Social Issues in Education
 Education 4341 - Foundations of Multicultural Education in Canada
 Education 4360 - Studies in the History of Western Education
 Education 4361 - History of Canadian Education
 Education 4362 - Concepts of Childhood in the History of Education
 Education 4380 - Developing a Philosophy of Education
 Education 4381 - Ethics of Teaching
 Education 4391 - Seminar in Educational Foundations (Series)
- b. One appropriate Independent Study.
3. Maintenance of a program grade point average of 2.50 in Education courses.
4. Completion of the Career and Technology Studies (CTS): Business Focus Education major.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- e. **Suggested Sequencing Plan**
 See www.uleth.ca/ross/sequencing-plans/2013-14/education/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. 166)** 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. 170)** 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 2501, 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. 73**).

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 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. 25**.

- I. 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. 26)**, 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. 26**)
 - A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)
- *Students are strongly encouraged to complete Pure Mathematics 30 or Mathematics 30-1.
- For quantitative majors, Mathematics 30-1 or equivalent must be presented. For non-quantitative majors, Mathematics 30-2 is also accepted.
- Quantitative Majors - Mathematics 30-1 or Pure Mathematics 30 is required for admission to the Bachelor of Management with majors in Accounting, Economics, and Finance.
- Non-quantitative Majors - Mathematics 30-1, Pure Mathematics 30, or Mathematics 30-2 is required for admission to the Bachelor of Management with majors in First Nations' Governance, General Management, Human Resource Management and Labour Relations, Information Systems, International Management, Marketing, and Political Science.
- Instead of Pure Mathematics 30 or Mathematics 30-1 or Mathematics 30-2, students may use U of L's Mathematics 0500.

Note: Students should note that satisfactory completion of the admission requirements does not guarantee admission to Management programs. Enrolment limits may be placed on the number of students admitted to programs and/or majors in the Faculty of Management. Enrolment limits may also be placed on the number of students admitted to a campus (i.e., Calgary, 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.

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

1. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
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. 73**).

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, 104**).
Note: *Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
6. Not more than four Activity courses (i.e. courses labelled PHAC and MUSE; maximum 6.0 credit hours) may be completed for credit towards the degree, except for Kinesiology majors (not more than 10 Activity courses; 15.0 credit hours) and Music majors (not more than 8 Activity courses; 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. 73**).

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

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; all Management courses; and all courses in the major marked with an asterisk (*).
2. A minimum GPA of 2.00 in Management courses.

3. Completion of a minimum of 20 Management courses including all courses required for the Management major and the courses listed below.
Management 1000 - Introduction to Management
Management 2020 - Marketing
Management 2030 - Introduction to Organizational Behaviour
**Management 2070/Economics 2070 - Operations and Quantitative Management
Management 2100 - Introductory Accounting
Management 2400 - Management Accounting
Management 3031 - Managing Responsibly in a Global Environment
Management 3040 - Finance
**Management 3050/Political Science 3420 - Human Resource Management
Management 3061 - Information Systems and Management
Management 3080 - Managerial Skill Development
*Management 3650 - Introduction to International Management
Management 4090 - Management Policy and Strategy
**Economics 1010 - Introduction to Microeconomics
**Economics 1012 - Introduction to Macroeconomics
**Statistics 1770 - Introduction to Probability and Statistics
**** One of:**
Writing 1000 - Introduction to Academic Writing
A university English course
**Students completing the Accounting major are not required to complete Management 3650*
***These courses count toward the 30 courses required for the B.A. or B.Sc. portion of the B.A./B.Mgt. or the B.Sc./B.Mgt.*
4. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
5. Students are advised to take the following courses in their first year: Management 1000; 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
 - a. 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.
 - b. For the B.Sc., a major program must be chosen and completed from among the following majors: Biological Sciences, Chemistry, Computer Science, Geography, Mathematics,

Physics, Psychology, or a General Major in the Sciences. The majors in Agricultural Biotechnology, Agricultural Studies, Archaeology and Geography, Biochemistry, Computer Science and Geographical Information Science, Environmental Science, Exercise Science, Kinesiology, Neuroscience, and Remote Sensing are specifically excluded from the Combined Degrees.

- c. At least half the required courses in the major must be completed at the University of Lethbridge.
- d. General Majors in the Humanities, Social Sciences and Sciences require at least 16 courses for the major; at least six of which must be at the 3000/4000 level, with a concentration of at least four courses from each of three disciplines. General Majors in the Humanities must complete a course in a language other than English; General Majors in the Social Sciences must complete a 'Quantitatively-based Methodology' course; General Majors in the Sciences must complete a 'Science in Human Affairs' course. For purposes of the B.A. degree with a General Major in the Humanities, French, German and Spanish may not be considered as separate disciplines. See **26. General Major in the Humanities (p. 283)**, **27. General Major in the Social Sciences (p. 283)**, and **28. General Major in the Sciences (p. 284)** for further information.
- e. All specific requirements for a disciplinary major must be fulfilled. Total requirements for each disciplinary major program follow:

I. 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

One of:

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

One additional Anthropology course (3.0 credit hours) at the 2000 level

Anthropology 3000 - Theory II: Contemporary Anthropological Theory

One course from Anthropology 3100 - Series on Regional Ethnography

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

Three Anthropology courses (9.0 credit hours) at the 4000 level, excluding

Anthropology 4980 (Applied Studies), Anthropology 4990 (Independent Study), and Anthropology 4995 (Undergraduate Thesis)

Two Anthropology courses (6.0 credit hours) at the 2000 level or above

2. Art

Students must complete a minimum of 13 courses (39.0 credit hours).

Required courses:

Art 2031 - Foundation Studio (Drawing and Image)

Art 2032 - Foundation Studio (Object and Space)

Art 3010 - Drawing I

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 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 (3.0 credit hours):

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)

Art Electives:

Five elective Art or Art History/Museum Studies courses (15.0 credit hours)

3. Biological Sciences

Students must complete the 16-course Combined Degrees major in Biological Sciences.

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

Plus: A minimum of two courses in two of the following areas: Cellular and Molecular Biology, Organismal Biology, Ecology and Evolutionary Biology, and a minimum of one course in the third area as listed below. Of these five courses, at least one 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 4800 - Biology of Symbiotic Interactions

*Prerequisite required: Chemistry 2000.

**Prerequisite required: Environmental Science 2000.

Required cognates:

Biochemistry 2000 - Introductory Biochemistry
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

Recommended course:

Environmental Science 2000 - Fundamentals of Environmental Science

4. 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. 117**). 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.

5. Chemistry

The major in Chemistry requires a minimum of 10 courses in Chemistry or Biochemistry; a maximum of 17 courses offered by the Department of Chemistry and Biochemistry is allowed for the B.Sc./B.Mgt. degree (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**). In addition, at least two courses in Mathematics and two courses in Physics are required.

List A - Required Chemistry Courses

The following six Chemistry courses must be taken:

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

List B - Elective Chemistry or Biochemistry Courses

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

*Prerequisite required: *Mathematics 1410*.

List C - Required Cognates

The following four courses must be taken:

Mathematics 1560 - Calculus I
Mathematics 2560 - Calculus II

One of:

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

Physics 2000 - Introduction to Physics II

*Has prerequisite (*Engineering 2000*) that is not
part of this major.

Biology 1010 - Cellular Basis of Life is
highly recommended for students in the
B.Sc./B.Mgt. program whose major is
Chemistry.

The major in Chemistry for the Combined
Degrees program is not accredited by the
Canadian Society for Chemistry nor is it
normally sufficient, in the absence of
further study in the field, for pursuing
graduate studies in Chemistry at a
Canadian university.

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.
As a result, careful planning of the program
for the major in Chemistry is required in
order to be in position to take courses
when they are offered. Consequently,
students who intend to pursue a degree
program 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.

6. Computer Science

Students must complete the 11-course
Combined Degrees major in Computer
Science.

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

Two additional 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).

Required cognate:

Mathematics 2000 - Mathematical
Concepts

7. Dramatic Arts

Students must complete a minimum of 14
courses.

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 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
 Three Drama electives, two at or above
 the 3000 level

Required cognate:

One of:

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

8. 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
- Three Economics courses at the 4000 level

Three additional Economics courses

Required cognate:

Statistics 1770 - Introduction to Probability and Statistics

9. English

Students must complete a minimum of 13 courses.

Required courses:

English 1900 - Introduction to Language and Literature - or equivalent

At least FOUR courses at the 2000 level, including at least TWO from each of the following categories:

- a. 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
- b. 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

At least EIGHT courses at the 3000 and 4000 level drawn from at least FIVE of the following subfields. At least TWO of the eight courses must be at the 4000 level:

- 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

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.

10. French

Students must complete the 10-course Combined Degrees major in 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

Note: *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. 125). These courses will count among the 17 courses allowed from any one discipline, but only one of these courses can count toward the minimum number of French courses required for the major.*

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 in French at the 3000/4000 level

One additional course in French

11. French/German

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

12. French/Spanish

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

A minimum of eight courses in French
A minimum of eight courses in Spanish
Five courses must be at the 3000/4000 level

13. Geography

Students must complete the 11-course Combined Degrees major in Geography for the B.A. or B.Sc.

Required courses:

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 additional courses in Geography, two of which must be at the 3000/4000 level

Required cognate:

Environmental Science 2000 - Fundamentals of Environmental Science

14. German

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.

15. History

Students must complete the 10-course Combined Degrees major in History.

Required courses:

History 1000 - Western Civilization

One of:

History 2001 - Main Themes in Ancient History
History 2100 - Main Themes in Medieval European History

One of:

History 2102 - Early Modern Europe - 1500-1750
History 2150 - The Politics of Europe - 1750-1914

One of:

History 2710 - Canada to 1867
History 2720 - Canada Since 1867

Two of:

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

Four courses at the 3000 level or higher, including at least two 4000-level courses (excluding History 4980 - Applied Studies and History 4990 - Independent Study).

The Department strongly advises students intending to pursue graduate studies to take History 4990. History majors should meet with the Department advisor once a semester in order to ensure that an appropriate program is being planned.

16. Kinesiology

Students must complete the 15-course Kinesiology major for the B.A.

Required courses:

Twelve theory courses

Kinesiology 1000 - Wellness and Physical Activity
Kinesiology 2000 - Foundations of Motor Skill Acquisition
Kinesiology 2110 - Biophysical Foundations of Human Movement
Kinesiology 2130 - Humanities Dimensions of Physical Activity Involvement
Kinesiology 2140 - Psychological Dimensions of Physical Activity Involvement
Kinesiology 2150 - Sociological Dimensions of Physical Activity Involvement
Kinesiology 2200 - Research Methodologies in Physical Activity Involvement

Three 4000-level Kinesiology courses

Two 3000/4000-level Kinesiology courses

Six Physical Activity courses

Six Physical Activity courses including two at the 3000 level or higher

17. Mathematics

13-course Combined Degrees major in Mathematics:

Students must complete at least 13 courses offered by the Department of Mathematics and Computer Science, including the following required courses:

Required courses:

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

One Mathematics or Statistics course at the 3000/4000-level regularly offered by the Department of Mathematics and Computer Science (excluding Mathematics 3980/
Mathematics 4980, Statistics 3980/
Statistics 4980 - Applied Studies and Mathematics 3990/
Mathematics 4990, Statistics 3990/
Statistics 4990 - Independent Study)

Required cognates:

Computer Science 1620 - Fundamentals of Programming I

Statistics 1770 - Introduction to Probability and Statistics

Statistics 2780 - Statistical Inference

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

18. Music

Students must complete the 16-course Music major.

Required courses:

Theory

Music 2160 - Theory I

*Music 2161 - Musicianship Skills I

Music 2260 - Theory II

*Music 2261 - Musicianship Skills II

Music 3360 - Theory III

*Music 3361 - Musicianship Skills III

Music 3460 - Theory IV

*Music 3461 - Musicianship Skills IV

*1.5 credit hours.

History

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

Music 2280 - History II: Late Renaissance and Baroque

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 4000-level Music course, or, if a 4000-level course has been chosen above, one Music elective, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities**

One Music elective, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities

**Ensemble Activity courses cannot be used to meet the 4000-level course requirement in the Music (Theory/History) major.

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 Music elective, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities

Ensemble Activities

Four Music 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, and a minimum of two semesters (1.5 credit hours each) of: 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 University Singers Vox Musica Wind Orchestra Women's Chorus (or through Independent Study by permission of the Department of Music)

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

19. 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

20. Philosophy

Students must complete the 13-course Philosophy major, including courses listed under each of the five headings as indicated below:

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 2111 - Introduction to Value Theory
- Philosophy 3401 - Social and Political Philosophy
- Philosophy 3410 - Advanced Ethics

One of:

- Philosophy 2150 - Philosophy of Art
- Philosophy 2235 - Philosophy of Feminism
- 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 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 at the 4000 level in Philosophy
or Logic

Four additional courses in Philosophy or
Logic

21. Physics

Students must complete the 14-course
Combined Degrees Major in Physics.

Required courses:

One of:

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

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:

Astronomy 2020 - Modern
Astronomy
Astronomy 2070 - The Solar System

One other course (3.0 credit hours)
offered by the Department of Physics
and Astronomy, including courses in
Astronomy or Engineering

Required cognates:

Mathematics 1410 - Elementary Linear
Algebra
Mathematics 1560 - Calculus I
Mathematics 2560 - Calculus II
Mathematics 2570 - Calculus III

*Engineering 2000 and Mathematics 1560 are
prerequisites for Engineering 2060.

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

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

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

*The major in Physics for the Combined
Degrees program provides a strong foundation
in Physics, but it is not normally sufficient, in
the absence of further study in the field, for
pursuing graduate studies in Physics at a
Canadian university.*

22. Political Science

Students must complete the 13-course
Political Science major.

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 Political Science courses at the 3000/
4000 level
Two Political Science courses at the 4000
level

Note: *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.*

23. Psychology

Students must complete the 13-course
Psychology major for the B.A. or B.Sc.

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 offered by the Department of Psychology or the Department of Neuroscience at the 3000/4000 level

One course offered by the Department of Psychology at the 4000 level

24. Religious Studies

A major in Religious Studies requires a minimum of 10 courses, as specified:

Required courses:

Religious Studies 1000 - Introduction to World Religions
 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 additional course in Religious Studies at the 2000 level selected from Eastern or Western Religions

Three of:

Religious Studies 3000 - Studies in Religious Traditions (Series)
 Religious Studies 3100 - Studies in Indian Religion (Series)
 Religious Studies 3300 - Studies in East Asian Religions (Series)
 Religious Studies 3400 - Studies in Judaism (Series)
 Religious Studies 3501 - Studies in Christianity (Series)
 Religious Studies 3600 - Studies in the Islamic Tradition (Series)
 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 Independent Study course in Religious Studies at the 3000/4000 level

¹One of:

Anthropology 3500 - Ritual, Practice, and Performance
 Anthropology 3550 - Anthropology of Religion
 Archaeology 3171 - Ancient Israel
 History 3007 - Greek and Roman Mythology
 History 3402 - The Reformation
 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
 Sociology 3330 - Sociology of Religion

Notes

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

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.

25. Sociology

Students must complete the 10-course Combined Degrees major in Sociology.

Required courses:

Sociology 1000 - Introduction to Sociology
 Sociology 2100 - Research Methodology
 Sociology 2200 - Classical Sociological Theory
 Sociology 2210 - Contemporary Sociological Theory

One of:

Sociology 3110 - Survey Research
 Sociology 3120 - Qualitative Research Methods

Five additional courses in Sociology, four of which must be at the 3000/4000 level

26. 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, p. 141**). 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.

27. Women and Gender Studies

The major in Women and Gender Studies requires a minimum of 13 courses as follows:

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

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.

Note: *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.*

28. General Major in the Humanities

a. Major Requirements

1. Students seeking a General Major in
the Humanities must complete at
least 16 courses designated as
Humanities.

2. Students must select three
disciplinary streams from the
following list, and complete a
minimum of four courses in each
chosen stream:

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

3. General majors in the Humanities
must complete a course in a

language other than English. The
language course is counted as part
of the 16-course minimum for the
major.

4. Students must complete a minimum
of three additional courses chosen
from any of the Humanities
disciplinary streams listed in 2.
above.

5. Of the 16 courses required in the
major, six must be at the 3000/4000
level.

6. General majors in the Humanities
must abide by the General Liberal
Education Requirement and by
departmental requirements
regarding prerequisites and course
sequencing.

29. General Major in the Social Sciences

a. Major Requirements

1. Students seeking a General Major in
the Social Sciences must complete
at least 16 courses, including 15
courses designated as Social
Science and one 'Quantitatively-
based Methodology' course (see 3.
below).

2. Students must select three
disciplinary streams from the
following list, and complete a
minimum of four courses in each
chosen stream:

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
(Psychology 1000 may be
included*)

Sociology - all courses

Women and Gender Studies - all
courses

**Students who wish to include
Psychology 1000 as a Social Science must
apply to change the course designation at
the Registrar's Office and Student Services
(ROSS).*

3. General Majors in the Social Sciences must complete a 'Quantitatively-based Methodology' course. This course is counted as part of the 16-course minimum for the major.

'Quantitatively-based Methodology' courses for the General Major in the Social Sciences include:

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

Note: *The above courses have prerequisites which may or may not be included in the major.*

4. Students must complete a minimum of three additional courses chosen from any of the Social Sciences disciplinary streams listed in **2.** above.
5. Of the 16 courses required in the major, six must be at the 3000/4000 level.
6. General majors in the Social Sciences must abide by the General Liberal Education Requirement and by departmental requirements regarding prerequisites and course sequencing.

30. General Major in the Sciences

a. Major Requirements

1. Students seeking a General Major in the Sciences must complete at least 16 courses, including 15 courses designated as Science and one 'Science in Human Affairs' course (see **3.** below).
2. Students must select three disciplinary streams from the following list, and complete a minimum of four courses in each chosen stream:

Archaeology - all courses designated Science (Liberal Education 3600 may be substituted for one of the courses in Archaeology)
 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

3. General Majors in the Sciences must complete a 'Science in Human Affairs' course. This course is counted as part of the 16-course minimum for the major.

'Science in Human Affairs' courses for the General Major in the Sciences include:

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

Note: *Some of the above courses have prerequisites which may or may not be included in the major.*

4. Students must complete a minimum of three additional courses chosen from any of the Sciences disciplinary streams listed in **2.** above.
5. Of the 16 courses required in the major, six must be at the 3000/4000 level.
6. General majors in the Sciences must abide by the General Liberal Education Requirement and by departmental requirements regarding prerequisites and course sequencing.

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. Students may complete two majors as part of a degree program in Management by completing

the normal degree requirements including the specific requirements for both majors. Students who elect to complete a second major may be required to extend their program beyond 50 courses.

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

Minimum Grade Requirement

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

1. Accounting

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

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

One of:

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

One of:

Mathematics 1410 - Elementary Linear Algebra
 Mathematics 1510 - Calculus for Management and Social Sciences
 Mathematics 1560 - Calculus I

One of:

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

2. Economics

- *Economics 2750 - Quantitative Methods in Economics
- *Economics 3010 - Intermediate Microeconomic Theory

- *Economics 3012 - Intermediate Macroeconomic Theory

One of:

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

One of:

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

- *Five Economics courses, four of which must be at the 3000/4000 level

Four additional Management electives at the 3000/4000 level

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

3. Finance

Economics 3030 - Managerial Economics
 Management 3412 - Fundamentals of Investments
 Management 3470 - Corporate Finance
 Management 4430 - Financial Management
 Management 4451 - Derivative Securities Markets

Two of:

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

One of:

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

One of:

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

Three additional Management electives at the 3000/4000 level

4. First Nations' Governance

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

One of:

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

One of:

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

One of:

- *Blackfoot 1000 - Introductory Spoken Blackfoot
- *Cree 1000 - Introductory Spoken Cree

A minimum of four courses from one of the following subfield lists (Community, Gender, and Traditional Knowledge; Government, Organizations, and Politics; History and Law):

List 1 - Community, Gender, and Traditional Knowledge

- *Management 4508/Native American Studies 4150 - Administrative Aspects of First Nations' Governments
- *Native American Studies 2000 - Native American Philosophy
- *Native American Studies 2230 - Family and First Nations' Community Development
- *Native American Studies 2400 - Traditional Aboriginal Political Economy
- *Native American Studies 2700 - Native American Women
- *Native American Studies 3000 - Native American Philosophy - Advanced
- *Native American Studies 3250/Management 3500 - Financial Management in Aboriginal Communities
- *Native American Studies 3506/Management 3506 - Aboriginal Small Business and Entrepreneurship in Canada
- *Native American Studies 3700 - Native American Health
- ¹*Native American Studies 4700 - The Métis
- *Any offering in Native American Studies 3850 or Native American Studies 4850 with an emphasis on Community, Gender, and Traditional Knowledge.

List 2 - Government, Organizations, and Politics

- Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments
- *Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments

- *Management 4508/Native American Studies 4150 - Administrative Aspects of First Nations' Governments
- *Native American Studies 2150 - Native Rights in the United States
- *Native American Studies 2400 - Traditional Aboriginal Political Economy
- *Native American Studies 2800 - Native American Politics
- *Native American Studies 3400 - Contemporary Aboriginal Political Economy
- ²*Native American Studies 3550 - U.S. Indian Policy
- *Any offering in Native American Studies 3850 or Native American Studies 4850 with an emphasis on Government, Organizations, and Politics.

List 3 - History and Law

- *Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments
- *Native American Studies 2150 - Native Rights in the United States
- *Native American Studies 2500 - Canadian Indian History
- *Native American Studies 2550 - U.S. Indian History
- *Native American Studies 3280/Management 3580 - Aboriginal Peoples and Natural Resources
- *Native American Studies 3500 - History of Prairie Indian Treaties
- *Native American Studies 4200 - Law and Aboriginal Development in Canada
- *Native American Studies 4400 - Indians and the Criminal Justice System
- ¹*Native American Studies 4700 - The Métis
- *Any offering in Native American Studies 3850 or Native American Studies 4850 with an emphasis on History and Law.

Note: Courses may count only for a major requirement or for one subfield.

1. Prerequisite required: Native American Studies 3500
2. Prerequisite required: Native American Studies 2550

Three additional Management electives at the 3000/4000 level

Note: In the B.Mgt. First Nations' Governance major, all courses in the selected subfield list and both Native American Studies courses in the "one of" lists count toward the 20 courses required for the B.Mgt. portion of the B.A./B.Mgt. or the B.Sc./B.Mgt.

5. General Management

Management 2700 - Research Methodology
Eight 3000/4000-level Management electives.

6. Human Resource Management and Labour Relations

Management 2700 - Research Methodology
Management 3310 - Collective Labour Relations
Management 4310 - Advanced Organizational Behaviour
Management 4350 - Staffing

Three of:

Management 3305 - Managing Employee Health and Safety
Management 3315 - Diversity in Employment
Management 3920 - Project Management
Management 4305 - Canadian Labour and Employment Law
Management 4315 - Performance Management
Management 4330 - Collective Bargaining
Management 4370 - Leadership in Organizations
Management 4390 - Leading Organizational Change

One of:

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

Two additional Management electives at the 3000/4000 level

7. Information Systems

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

Three additional Management electives at the 3000/4000 level

8. International Management

Management 2700 - Research Methodology

Four of:

Management 3070 - Introduction to Supply Chain Management
Management 3460 - Global Financial Management
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)
Management 3690 - Management in World History
¹ Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing
Management 4551 - Sustainable Tourism
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
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 10, p. 88**)

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 UofL 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 2200 - Classical Sociological Theory
Sociology 2600 - The Individual and Society

One of:

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

Three 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

Management 3806 - Small Business Management
Management 4210 - Advertising and Promotions
Management 4220 - Cross-Cultural Marketing

Three additional Management electives at the 3000/4000 level

10. Political Science

Management 2700 - Research Methodology

Political Science 1000 - Introduction to Political Science

Political Science 2210 - Canadian Politics and Government

*Six Political Science courses, four of which must be at the 3000/4000 level

Two additional Management electives at the 3000/4000 level

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

f. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/arts_and_science/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

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 II - Faculty of Management, Section 12, p. 230**).

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 II**).

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.

9. 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 GPA of 2.50.

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

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

Art: See Art Portfolio instructions in **Part 9 - Fine Arts, Section 3.a. Bachelor of Fine Arts (Art) and pre-Bachelor of Fine Arts (Art)/Bachelor of Education, p. 174.**

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. 25.**

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.

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 UofL 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.
- 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. 163**). 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-I Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-I or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

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

- 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. 160)** 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. 160)** 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 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 2.00. 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.
2. 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. 88**):
 - a. Two courses from each of List II: Social Sciences and List III: Sciences.
 - b. Three additional courses from either of these two areas.
3. Completion of at least eight courses (24.0 credit hours) at the 3000/4000 level.
4. A maximum of three Independent Studies (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).
5. 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 I
- *Art 3040 - Advanced Studio (6.0 credit hours)
- Art 3060 - Media Arts I (Computer Art)
- *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

Art Studio: List I

Two of (6.0 credit hours):

- Art 3005 - Printmaking I
- Art 3022 - Painting I
- Art 3026 - Photo-Arts I
- Art 3032 - Sculpture I

Art Studio: List II

Two of (6.0 credit hours):

- Art 3006 - Printmaking II
- Art 3023 - Painting II
- Art 3027 - Photo-Arts II

- Art 3033 - Sculpture II
- Art 3061 - Media Arts II (Video Sketchbook)
- Art 3160 - Drawing II (The Body)

Art Studio: List III

Two of (6.0 credit hours):

- Art 3007 - Printmaking III
- Art 3011 - Drawing III
- Art 3015 - Art Studio (Series)
- Art 3024 - Painting III
- Art 3028 - Photo-Arts III
- Art 3034 - Sculpture III
- Art 3035 - Context and Environment
- Art 3062 - Media Arts III (Digital Studio)

Art History: List A

One of (3.0 credit hours):

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

Art History: List B

One of (3.0 credit hours):

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

Art History: List C

One of (3.0 credit hours):

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

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

Required Drama courses:

- Drama 1000 - Introduction to Dramatic Arts
- Drama 2100 - Play Reading and Analysis
- Drama 2120 - History and Development of Theatre I
- Drama 2130 - History and Development of Theatre II
- Drama 2310 - Acting: Fundamentals
- Drama 2420 - Directing: Fundamentals
- Drama 2611 - Technical Theatre Portfolio I
- Drama 2810 - Introduction to Stagecraft
- Drama 3100 - Theatre in Performance
- Drama 3600 - Portfolio in Dramatic Arts II
- Drama 4420 - Directing

One of:

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

One of:

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

Required Music courses:**Applied**

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

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

History

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

Theory

- Music 2160 - Theory I
- *Music 2161 - Musicianship Skills I
- Music 2260 - Theory II
- *Music 2261 - Musicianship Skills II
- Music 3360 - Theory III
- *Music 3361 - Musicianship Skills III
- Music 3460 - Theory IV
- *Music 3461 - Musicianship Skills IV
- Music 4660 - Form and Analysis

* 1.5 credit hours.

Conducting

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

Ensembles

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

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

Major Focus Music Ensemble Activity

- | | |
|----------------------------|---|
| Studio wind & percussion | Wind Orchestra |
| Studio voice | University Singers or Women's Chorus |
| Studio pianist & guitarist | Music Ensemble Activity 2450, Music Ensemble Activity 2451, Music Ensemble Activity 3450, Music Ensemble Activity 3451, |

and a minimum of two semesters (1.5 credit hours each) of:

- University Singers
- Vox Musica
- Wind Orchestra
- Women's Chorus

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

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

Elective**One of:**

- Music 2500 - Introduction to Music Technology
- Music 2850 - Topics in Music
- Music 3000 - Seminar in Music (Series) with an emphasis on History
- Music 3000 - Seminar in Music (Series) with an emphasis on Literature
- Music 3000 - Seminar in Music (Series) with an emphasis on Pedagogy
- Music 3000 - Seminar in Music (Series) with an emphasis on Theory
- Music 3030 - Film Music
- Music 3149 - Composition I
- Music 3606 - Orchestration
- Music 3660 - Theory V
- Music 3721 - World Music
- Music 3850 - Topics in Music
- Music 4721 - Canadian Music
- Music 4748 - Studio VII - (Instrument)
- Music 4850 - Topics in Music
- Two Music Ensemble Activity courses (1.5 credit hours each)

c. Faculty of Education Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.F.A. (Art or Dramatic Arts)/B.Ed. or Post-Diploma B.Mus./B.Ed.

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:
 - Education 2500
 - *Professional Semesters I, II and III
 - **One Education Foundation course
 - ***Three Education electives

*Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

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

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations

Education 4311 - *World Issues and Problems in Education*
 Education 4320 - *Education and Society from a Sociological Perspective*
 Education 4321 - *Social Issues in Education*
 Education 4341 - *Foundations of Multicultural Education in Canada*
 Education 4360 - *Studies in the History of Western Education*
 Education 4361 - *History of Canadian Education*
 Education 4362 - *Concepts of Childhood in the History of Education*
 Education 4380 - *Developing a Philosophy of Education*
 Education 4381 - *Ethics of Teaching*
 Education 4391 - *Seminar in Educational Foundations (Series)*

b. One appropriate Independent Study.

***The three Education Electives for Post-Diploma B.Mus./B.Ed. students must consist of:

Two Education (Music) electives from the following:

Education 3871 - *Elementary Music Classroom*
 Education 3872 - *Secondary Music Classroom*
 Education 3875 - *Brass and Percussion Methods*
 Education 3876 - *Woodwind and String Methods*
 Education 3877 - *Vocal and Classroom Instruments Methods*

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

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

3. Maintenance of a grade point average of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

d. Suggested Sequencing Plans

See www.uleth.ca/ross/sequencing-plans/2013-14/education/art_bfa_bed_pd for a suggested sequencing plan for the Post-Diploma B.F.A. (Art)/B.Ed. Combined Degrees program.

See www.uleth.ca/ross/sequencing-plans/2013-14/education/dram_bfa_bed_pd for a suggested sequencing plan for the Post-Diploma B.F.A. (Dramatic Arts)/B.Ed. Combined Degrees program.

See www.uleth.ca/ross/sequencing-plans/2013-14/education/musi_bmus_bed_pd for a suggested sequencing plan for the Post-Diploma B.Mus./B.Ed. Combined Degrees program.

e. Academic Regulations

In the Post-Diploma Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the Post-Diploma B.F.A./B.Ed. or B.Mus./B.Ed. students should be aware of

the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education methods course, usually selected from the Education 3700 series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Section 7. Education Minors (p. 166)** for information on Education Minor Requirements.

g. 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. 170)** for information on Education Specialization Requirements.

h. 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).

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the Post-Diploma B.F.A. (Art or Dramatic Arts)/B.Ed. and of the Post-Diploma B.Mus./B.Ed. (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).

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).

10. POST-DIPLOMA COMBINED DEGREES PROGRAM IN MANAGEMENT AND EDUCATION

a. Admission

Students begin the program classified as Pre-Post-Diploma B.Mgt./B.Ed. in the Faculty of Management. After completing one or two semesters and Education 2500, students apply to the Faculty of Education. Students are not officially in the Post-Diploma Combined Degrees program until they have been admitted to BOTH the Faculty of Management and the Faculty of Education.

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

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

- a. A student may gain admission to the Post-Diploma Bachelor of Management Degree program by completing an approved diploma in business administration or management with a cumulative grade point average (GPA) at or above the current admission cut-off and not less than 2.0.
- b. For some approved college diplomas (based on program content), students may gain admission by successfully completing the Qualifying program.

See **Part II - Faculty of Management, Section II.a (p. 225)** for details on the courses in the Qualifying program.

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 I - Admission, p. 25**.

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 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.

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 UoFL 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.

- 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. 163**). 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 4.0 scale) or higher in Writing 1000
- obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

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

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. 160)** 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. 160)** for details.

b. Faculty of Management Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.Mgt./B.Ed.

1. A minimum grade of 'C-' is required in Statistics 1770; Writing 1000 OR a university English course; all Management courses; and all courses in the major marked with an asterisk (*). Students who take Economics 1010 and/or Economics 1012 as part of their degree requirements must achieve a minimum grade of 'C-'.

Note: The Faculty of Management requires that students complete Writing 1000 or a university English course with a minimum grade of 'C-'. However, if a student chooses to meet the Faculty of Education's Writing Proficiency Requirement (WPR) by completing Writing 1000 or a university English course, a minimum grade of 'B' is required.

2. A minimum GPA of 2.00 in Management courses.
3. A minimum cumulative UofL GPA of 2.00.
4. Completion of the General Management major comprising the following courses.

Required courses:

Management 2070/Economics 2070 - Operations and Quantitative Management
 Management 2700 - Research Methodology
 Management 3031 - Managing Responsibly in a Global Environment
 Management 3050/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 10, p. 220, in Part II - 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. 88**) as follows:
 - three courses from List I: Fine Arts and Humanities Courses (includes Writing 1000 OR a university English course from above);
 - two courses from List II: Social Science Courses (includes Management 3050/Political Science 3420 from above); and,
 - two courses from List III: Science Courses (includes Statistics 1770 and Management 2070/Economics 2070 from above).

c. Management Minor Requirements

Students may elect to complete minors in First Nations Governance, Information Systems, International Management, New Media, Social Responsibility and Supply Chain Management in the Post-Diploma B.Mgt./B.Ed. program (see **Part II - Faculty of Management, Section 12, p. 230**).

d. Faculty of Education Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.Mgt./B.Ed.

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:

Education 2500

*Professional Semesters I, II and III

**One Education Foundation course
 Three Education electives

*Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.

While not an admission requirement to the Faculty of Education, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

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

a. One course from the following list:

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

b. One appropriate Independent Study.

3. Maintenance of a grade point average of 2.50 in Education courses.
4. Completion of the Career and Technology Studies (CTS): Business Focus Education major.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).

e. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/education/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 II**).

g. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education methods course, usually selected from the Education 3700 series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Section 7. Education Minors (p. 166)** 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. 170)** for information on Education Specialization Requirements.

i. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including a minimum of eight Management courses and 15 Education courses (three Professional Semesters).

j. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2501, Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the Post-Diploma B.Mgt./B.Ed.

Study Tours

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

II. 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 I - Admission, p. 25**.

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 I - 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 I - Admission, Section 3.a.1. (p. 26)**, satisfactory completion of Alberta's:

English Language Arts 30-I

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

Two additional 30-level Academic Courses (see **p. 26**)

A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)

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

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

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

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

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

2. Enrolment in this program is limited and admission is competitive; selections are made based on the following:
 - a. Academic proficiency, as demonstrated by grade achievement;
 - b. Completed portfolio or essay alternative; and
 - c. Summary Questionnaire

- All students entering the B.F.A. (New Media) program must submit a portfolio (or essay alternative) as well as a Summary Questionnaire as part of their admission requirements. Details are given below:

New Media Portfolio Content

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

Art

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

Theatre/Drama

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

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.

Music

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

New Media

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

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/3 typed pages double-spaced. Be sure to include your name and contact information.

Summary Questionnaire:

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

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

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

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

- Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
- 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. 73**).
- Residence requirement: see **Section 3.h., p. 297** for details.

c. Faculty of Fine Arts Degree Requirements for the 50-Course B.F.A. (New Media)/B.Mgt.

- 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.
- A minimum GPA of 2.50 in all New Media courses taken for credit towards the degree.
- A minimum of nine New Media courses (27.0 credit hours) at the 3000/4000 level.
- A maximum of three Independent Studies (9.0 credit hours) (see **Part 4, Section 2.c, Exceeding Course Limits, p. 73**).
- 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 3030 - 3-D Computer Modelling and Animation
 New Media 3150 - Seminar in New Media Studies
 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 1000 - Introduction to Dramatic Arts
 Drama 3030 - Introduction to Film Studies
 Music 1011 - Materials of Music
 Music 2500 - Introduction to Music Technology

Three additional courses from Art and Art History/
 Museum Studies, Drama, Music, and/or New
 Media including representation from two
 disciplines

Note: *Art and Art History/Museum Studies are both offered by the Department of Art and are considered as one discipline.*

7. Completion of the following electives:

Two Science electives
 One Social Science elective
 One elective

d. Faculty of Management Degree Requirements for the 50-Course B.F.A. (New Media)/B.Mgt.

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; and all Management courses.
2. A minimum GPA 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 10, p. 220, in Part II - 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; Statistics 1770; and Writing 1000 OR a university English course.

e. Management Minor Requirements

Students may elect to complete a minor in Information Systems or Social Responsibility in the B.F.A. (New Media)/B.Mgt. program. In some cases, achievement of the minor and a chosen major will require a student to take extra courses (see **Part II, Faculty of Management, Section 12, p. 229**).

f. Academic Regulations

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

g. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge including seven New Media courses and 10 Management courses at the 3000/4000 level.

h. Sample Sequence Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/fine_arts/nmed_bfa_bmgt for a suggested sequencing plan for the Bachelor of Fine Arts (New Media)/Bachelor of Management program.

12. BACHELOR OF HEALTH SCIENCES/BACHELOR OF MANAGEMENT

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.

a. 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 I - Admission, p. 25**.

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 I - 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 I - Admission, Section 3.a.1. (p. 26)**, 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. 26**)
A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 26**)

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

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

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

Non-quantitative Majors - Mathematics 30-1, Pure Mathematics 30, or Mathematics 30-2 is required for admission to the Bachelor of Management with majors in Computer Science, First Nations' Governance, General Management, Human

Resource Management and Labour Relations, Information Systems, International Management, Marketing, and Political Science.

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

- c. An interview will be required for applicants seeking Adult (Mature) Admission.
- d. Spoken English Language Proficiency Requirement (SELP)

In addition to the English Language Proficiency requirement for regular University of Lethbridge undergraduate admission (see **Section 6.a in Part I - Admission, p. 42**), applicants to the Public Health major in the Bachelor of Health Sciences/Bachelor of Management, whose first language is not English, must also meet a Spoken English Language Proficiency requirement. 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. Evidence of Spoken English Language Proficiency 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 and in a recognized institution where the primary language of the institution is English. These studies must include satisfactory completion of English Language Arts 30-1 or its equivalent, or satisfactory completion of at least two transferable semester courses in English. These studies must also precede admission by not more than two years.
2. Graduation with an approved high school credential, including at least six consecutive years of fulltime academic study, from an institution or institutions where the language of instruction is English. These studies must include satisfactory completion of English Language Arts 30-1 or its equivalent. These studies must also precede admission by not more than two years.
3. Successful completion of a recognized degree requiring at least four full years of academic study at a post-secondary institution where the language of instruction is English and in a country where English is the principal language.
4. Successful completion of the equivalent of six years of full-time instruction in a school/institution in Canada in which the major language of instruction is other than English, but where the level of English proficiency required for graduation is equivalent to that in English language schools/institutions in Canada.

5. A score of at least 50 on the TSE (Test of Spoken English).
6. A score of at least 23 on the Speaking section score of the iBT TOEFL.
7. A score of at least 7.0 on the IELTS band for Speaking.
8. A score of at least 70 on the CAEL sub-test for Speaking.

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

1. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 88**).
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. Residence requirement: see **Section 3.h., p. 300** for details.

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
 Economics 1010 - Introduction to Microeconomics
 Economics 1012 - Introduction to Macroeconomics
 Geography 1200 - Introduction to Human Geography
 Health Sciences 2003/Biology 2003 - Epidemiology: The Ecology of Health and Disease
 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 3260 - Research in Addictions
 Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
 Psychology 1000 - Basic Concepts of Psychology
 Psychology 2800 - Social Psychology

Sociology 1000 - Introduction to Sociology

One of:

*Biology 1010 - Cellular Basis of Life
 Kinesiology 1000 - Wellness and Physical Activity

One of:

Anthropology 1000 - The Anthropological Perspective
 Political Science 1000 - Introduction to Political Science

One of:

Writing 1000 - Introduction to Academic Writing
 A university English course

Electives

One Science elective
 Three Fine Arts and Humanities electives
 Six Public Health/Health Sciences electives

**Prerequisite required: Biology 30; One of Chemistry 30 or Chemistry 0500*

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

1. A minimum grade of 'C-' is required in Health Sciences 3450/Psychology 3450; Economics 1010 and Economics 1012; Writing 1000; and all Management courses.
2. A minimum GPA of 2.00 in Management courses.
3. Completion of a minimum of 20 Management courses including all courses required for the Management major and the courses listed below:
 Management 1000 - Introduction to Management
 Management 2030 - Introduction to Organizational Behaviour
 Management 2070/Economics 2070 - Operations and Quantitative Management
 Management 2100 - Introductory Accounting
 Management 2400 - Management Accounting
 Management 3031 - Managing Responsibly in a Global Environment
 Management 3040 - Finance
 Management 3050/Political Science 3420 - Human Resource Management
 Management 3061 - Information Systems and Management
 Management 3080 - Managerial Skill Development
 Management 3250 - Social Marketing
 Management 3650 - Introduction to International Management
 Management 4090 - Management Policy and Strategy
4. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
5. Students are advised to take the following courses by the end of their second year: Economics 1010; Economics 1012; Management 1000; 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 10, p. 220, in Part 11 -*

Faculty of Management for all Management major requirements).

e. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/2013-14/health_sciences/pubh_hr_bhsc_bmgt for a suggested sequencing plan for the B.H.Sc./B.Mgt. Combined Degrees program.

f. Management Minor Requirements

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 12, p. 229**).

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**).

h. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including a minimum of 15 Health Sciences courses and 10 Management courses at the 3000/4000 level.

13. B.A. or B.Sc. AFTER TRANSFER TO A PROFESSIONAL FACULTY

Please refer to **Part 7 - Faculty of Arts and Science, Section 20 (p. 147)**.

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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:

Addictions Counselling	ADCS
Biomolecular 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 Student Services (ROSS) and online at www.uleth.ca/ross/class-schedules-timetables.

3. COURSE NUMBERING SYSTEM

The first digit indicates the level of the course:

0100 - 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.

2850, 3850, 4850, 5850, 7850

Numbers which designate Topics courses in various disciplines.

2980-85, 3980-85, 4980-85, 5980-85

Numbers which designate Applied Studies in various disciplines.

2990, 3990, 4990, 5990, 7990

Numbers which designate Independent Study courses in various disciplines.

1999, 2999, 3999, 4999, 5999, 9999

Placeholder courses.

4995

Undergraduate Thesis courses.

4. DEFINITIONS

a. Semester

Semester refers to a period of study (see the **Glossary** for more information, **p. 599**). Students should consult the **Academic Schedule (p. 17)** 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. 72** 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. 104; Part 8 - Faculty of Education, p. 165; Part 9 - Faculty of Fine Arts, p. 179; Part 10 - Faculty of Health Sciences, p. 201; Part 11 - Faculty of Management, p. 218**).

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. 72** 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 2850, 3850, 4850, 5850 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. 72** for more information).

A Topics course cannot be specified as a required course in any major or program.

5. Cross-Listed

Cross-listed courses appear in this Calendar and will appear on the student's academic records in the dual form, for example, Management 2070/ Economics 2070. Such courses do not apply toward the limit of four University accredited courses which may be taken outside Arts and Science.

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 Semester 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 2013/2014 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 2013/2014 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 2013/2014 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 2013/2014 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. 302**).

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. 72.**

Special regulations apply to Topics and Series courses (see **Section 4.c.3. Series, p. 302** and **4.c.4. Topics, p. 303**).

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 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 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

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 corequisites(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 I - Admission, Section 9.f. Year of the Calendar, p. 47**), 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. 72**).

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. 73**).

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.

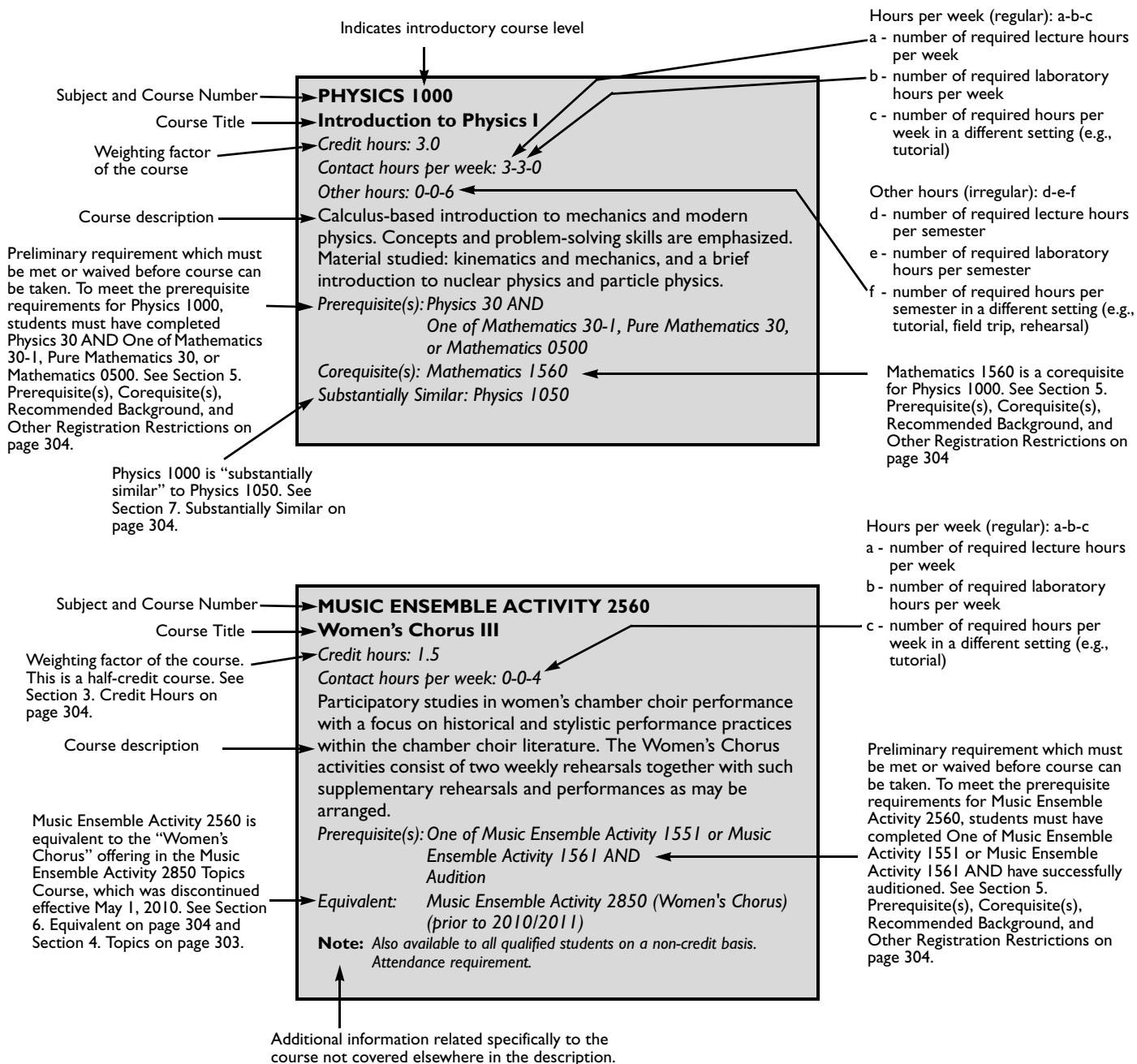
7. DISCLAIMER

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

*Prerequisite(s): Biochemistry 2000 AND
Chemistry 2600
Corequisite(s): Chemistry 2740*

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.

**AGRICULTURAL
BIOTECHNOLOGY (AGBT)**
 Faculty of Arts and Science

**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.

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.*

AGRICULTURAL STUDIES (AGST)
 Faculty of Arts and Science

AGRICULTURAL STUDIES 1000
The Evolution of Agriculture

Credit hours: 3.0

Contact hours per week: 3-0-0

A survey of the major achievements in agriculture, spanning its origins until the present. Particular emphasis on agricultural related activities in Europe and North America. The role of indigenous peoples and women in agriculture, world food issues, and the environmental consequences of modern agriculture.

AGRICULTURAL STUDIES 3300
Modelling of Agricultural Systems

Credit hours: 3.0

Contact hours per week: 3-2-0

Modelling biological, 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.

Prerequisite(s): Economics 1010 AND Third-year standing (a minimum of 60.0 credit hours)

AGRICULTURAL STUDIES 3999
**Collaborative Registration
Placeholder**

This is a placeholder registration for students admitted to the Bachelor of Arts (B.A.) or Bachelor of Science (B.Sc.) with a major in Agricultural Studies who are enrolled in the Technical Studies Semester at an associated college.

Note: *No fees are assessed for this registration.*

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.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

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.

Prerequisite(s): Agricultural Studies 3300

AGRICULTURAL STUDIES 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.

ANTHROPOLOGY (ANTH)
 Faculty of Arts and Science

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

Historical examination of the western foundations of anthropological thought including, but not limited to, classical histories, the Enlightenment, and modernism. Theory as historical artifact.

Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

Anthropology 2110 - Anthropology 3200**ANTHROPOLOGY 2110****The Anthropology of Popular Culture***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): Anthropology 1000**Equivalent: Anthropology 2850 (The Anthropology of Popular Culture) (prior to 2008/2009)***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 2320****Ancient Societies***Credit hours: 3.0**Contact hours per week: 3-0-0*

Examination of a diversity of ancient societies including Aztec, 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 with 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 2600****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 3000****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, late-modernist and postmodernist, cultural studies, poststructuralist, postpositivist, feminist, multiculturalist, and globalist orientations in the discipline.

*Prerequisite(s): Anthropology 2010 AND One of Anthropology 2410 or Anthropology 2510 AND Two additional courses (6.0 credit hours) in Anthropology***ANTHROPOLOGY 3010****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): One of Anthropology 2010 or Anthropology 2510**Recommended Background: Two additional courses (6.0 credit hours) in Anthropology at or above the 2000 level***ANTHROPOLOGY 3100****Series on Regional Ethnography***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***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 or Anthropology 2510

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 centres 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

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 or Anthropology 2510

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

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*

Intensive investigation of anthropological theories of ritual, ceremony, and performance. Consideration of ethnographic and historical case studies.

Prerequisite(s): One of Anthropology 2010 or Anthropology 2510

ANTHROPOLOGY 3520**Medical Anthropology***Credit hours: 3.0**Contact hours per week: 3-0-0*

Anthropological approaches for understanding health and medicine in society and culture.

Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

ANTHROPOLOGY 3550**Anthropology of Religion***Credit hours: 3.0**Contact hours per week: 3-0-0*

Anthropological theories and approaches to the study of ritual, religion, and ideology in a cross-cultural framework.

Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology or Religious Studies

ANTHROPOLOGY 3610**Material Culture***Credit hours: 3.0**Contact hours per week: 3-0-0*

The role of material culture in the production, reproduction, and performance of social relations. Case studies will illustrate anthropological theories on material culture, particularly its importance in constructing and contesting gender, class, political authority, and colonialism.

Prerequisite(s): One of Anthropology 1000 or a previous course (3.0 credit hours) in Anthropology

Equivalent: Anthropology 3900 (Material Culture) (prior to 2009/2010)

ANTHROPOLOGY 3900**Series on Social and Cultural Organization***Credit hours: 3.0**Contact hours per week: 3-0-0*

Advanced study of the social and cultural organization in societies of varying complexity.

Prerequisite(s): One of Anthropology 2010 or Anthropology 2510

ANTHROPOLOGY 4002**Series on Advanced Studies in Anthropological Theory***Credit hours: 3.0**Contact hours per week: 3-0-0*

Advanced study of anthropological theory with attention to, but not limited by, structure and agency, globalization and post-colonialism, and representation in anthropology.

Prerequisite(s): Anthropology 3000

ANTHROPOLOGY 4500**Series on Anthropological Methods***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 - Archaeology 3000**APPLIED STUDIES (APST)**

Note: *Applied Studies courses are offered by the Applied Studies Office (AH154).*

**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 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

Note: *Students must have an adequate background in the discipline before enrolling in Applied Studies for disciplinary credit.*

ARCHAEOLOGY (ARKY)

Faculty of Arts and Science

Note: *Archaeology courses are offered by the Department of Geography.*

**ARCHAEOLOGY 1000
Introduction to Archaeology**

Credit hours: 3.0

Contact hours per week: 3-0-0

The basic concepts of archaeology and archaeological research. Using examples from around the world, emphasis will be placed on understanding fundamental principles and techniques employed in archaeological problem solving. Material covered will include dating and excavation methodologies, material and artifact analysis, culture-environment interaction and critical evaluation of archaeological interpretation.

**ARCHAEOLOGY 3000
Series in Archaeological Science**

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 3171**Ancient Israel**

Credit hours: 3.0

Contact hours per week: 3-0-0

Major issues and problems in the archaeology of Iron Age Israel and its environs, including Israelite origins, the nature of the Israelite state, and the material culture of Ancient Israel and its neighbours.

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**Series in Archaeological Regions, Periods, and Themes**

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**Archaeology and Human Evolution**

Credit hours: 3.0

Contact hours per week: 3-0-0

Major developments in the emergence of humans and culture. Study of theories of evolution and the examination and study of hominid fossils and stone tools in order to understand human biological and cultural development.

Prerequisite(s): One of Archaeology 1000 or a previous course (3.0 credit hours) in Archaeology

Equivalent: Liberal Education 3600; 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 Series in Archaeological Science**

Credit hours: 3.0

Contact hours per week: 3-0-0

Prerequisite(s): One 3000-level course (3.0 credit hours) in Archaeology

ARCHAEOLOGY 4100**Advanced Series in Archaeological Theory**

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 Series in New and Old World Archaeology**

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 - Art 3015

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**(ART)****Faculty of Fine Arts****ART 2002****Fundamentals of Painting**

Credit hours: 3.0

Contact hours per week: 1-5-0

An introduction to the theory and practice in painting and related media.

Note: *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: 1-5-0

An introduction to the theory and practice in camera and darkroom techniques for black and white photography.

Note: *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 2030**Intensive Foundation Studio**

Credit hours: 6.0

Contact hours per week: 2-8-0

An introduction to contemporary art studio practice including two and three-dimensional work. A cross-section of ideas, materials and processes will be introduced as they relate to drawing, image production, objects, space and time-based media.

Substantially Similar: Art 2031 and Art 2032

ART 2031**Foundation Studio (Drawing and Image)**

Credit hours: 3.0

Contact hours per week: 1-4-0 or 1-5-0

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: *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: 1-4-0 or 1-5-0

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: *For sections where Art 2032 is offered twice weekly, an extra hour is required per week for set up and clean up.*

ART 3005**Printmaking I**

Credit hours: 3.0

Contact hours per week: 1-5-0

An introduction to the concepts and processes of printmaking with a concentration on lithographic techniques.

Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030

ART 3006**Printmaking II**

Credit hours: 3.0

Contact hours per week: 1-5-0

An introduction to the concepts and processes of printmaking with a concentration on intaglio techniques.

Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030

ART 3007**Printmaking III**

Credit hours: 3.0

Contact hours per week: 1-5-0

Studies in printmaking at an advanced level in which a range of approaches and techniques are explored: traditional, experimental and interdisciplinary.

Prerequisite(s): One of Art 3005 or Art 3006

ART 3010**Drawing I**

Credit hours: 3.0

Contact hours per week: 1-5-0

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

ART 3011**Drawing III**

Credit hours: 3.0

Contact hours per week: 1-5-0

Advanced theory and practice in drawing with an emphasis on experimental techniques and methods.

Prerequisite(s): One of Art 3010 or Art 3160

ART 3015**Art Studio (Series)**

Credit hours: 3.0

Contact hours per week: 1-5-0

Studio offerings at an advanced level addressing thematically presented approaches to material practice.

Prerequisite(s): Two of Art 3005, Art 3006, Art 3010, Art 3023, Art 3027, Art 3033, Art 3060, Art 3061, or Art 3160

ART 3022**Painting I**

Credit hours: 3.0

Contact hours per week: 1-4-0

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)

ART 3023**Painting II**

Credit hours: 3.0

Contact hours per week: 1-4-0

Building on Art 3022 - Painting II, this course furthers the discussion of various technical, aesthetic, and theoretical issues of painting with an emphasis on contemporary practice. Diverse approaches and media will be investigated.

Prerequisite(s): Art 3022

Substantially Similar: Art 3002 (prior to 2009/2010)

ART 3024**Painting III**

Credit hours: 3.0

Contact hours per week: 1-5-0

An advanced studio exploration of painting as a contemporary art practice. Readings and discussions will provide a critical context for studio assignments and self-directed study in painting.

Prerequisite(s): Art 3023

Equivalent: Art 3012 (prior to 2009/2010)

ART 3026**Photo-Arts I**

Credit hours: 3.0

Contact hours per week: 1-4-0

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: SLR film cameras can be rented for a small fee. Access to a digital camera is recommended. Contact instructor for specifics. Students will be required to purchase lab supplies.

ART 3027**Photo-Arts II**

Credit hours: 3.0

Contact hours per week: 1-4-0

Further exploration in the theory and practice of photo-arts. Advanced studio procedures in black and white and digital photography are studied within a context of contemporary art practice.

Prerequisite(s): Art 3026

Substantially Similar: Art 3004 (prior to 2009/2010)

Note: SLR film cameras can be rented for a small fee. Access to a digital camera is recommended. Contact instructor for specifics. Students will be required to purchase lab supplies.

ART 3028**Photo-Arts III**

Credit hours: 3.0

Contact hours per week: 1-5-0

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: SLR film cameras can be rented for a small fee. Access to a digital camera is recommended. Contact instructor for specifics. Students will be required to purchase lab supplies.

ART 3032**Sculpture I**

Credit hours: 3.0

Contact hours per week: 1-4-0

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)

ART 3033**Sculpture II**

Credit hours: 3.0

Contact hours per week: 1-4-0

Building on Art 3032 - Sculpture I, this course furthers discussion 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)

ART 3034**Sculpture III**

Credit hours: 3.0

Contact hours per week: 1-4-0 or 1-5-0

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 3033

Equivalent: Art 3018 (prior to 2009/2010)

Note: 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: 1-5-0

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)

ART 3040**Advanced Studio**

Credit hours: 6.0

Contact hours per week: 2-8-0

Self-directed study focusing on conceptual and material development in studio practice.

*Prerequisite(s): Two of Art 3007, Art 3011, Art 3015, Art 3024, Art 3028, Art 3034, Art 3035, or Art 3062
(One of these courses may be taken at the same time as Art 3040)*

Art 3060 - Art 4850**ART 3060****Media Arts I (Computer Art)**

Credit hours: 3.0

Contact hours per week: 1-5-0

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 scanning, digital darkroom, video editing, desktop publishing, digital sound studio and basic website creation.

Prerequisite(s): One of [Art 2031 and Art 2032] or Art 2030

ART 3061**Media Arts II (Video Sketchbook)**

Credit hours: 3.0

Contact hours per week: 1-5-0

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

ART 3062**Media Arts III (Digital Studio)**

Credit hours: 3.0

Contact hours per week: 1-5-0

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: *Students with relevant experience may be eligible for a prerequisite waiver for Art 3060 or Art 3061.*

ART 3160**Drawing II (The Body)**

Credit hours: 3.0

Contact hours per week: 1-5-0

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): One of [Art 2031 and Art 2032] or Art 2030

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: 2-8-0

Self-directed study focusing on conceptual and material development in studio practice.

Prerequisite(s): Art 3040

ART 4049**Senior Studio**

Credit hours: 6.0

Contact hours per week: 2-8-0

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*

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: 2-8-0

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: *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. 181.*

ART GRADUATE COURSES (ART)**Faculty of Fine Arts****ART 5048****Graduate Studio I**

Credit hours: 9.0

Contact hours per week: 0-0-9

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

ART 5049**Graduate Studio II**

Credit hours: 9.0

Contact hours per week: 0-0-9

Self-directed study focusing on conceptual and material development in studio practice.

Prerequisite(s): Art 5048

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

Pass/Fail

ART HISTORY/MUSEUM STUDIES

(AHMS)

Faculty of Fine Arts**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.

ART HISTORY/MUSEUM STUDIES 2255**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 2255 (prior to 2010/2011);

Art 2850 (Art and Popular Culture) (prior to 2007/2008) is equivalent to the same offering in the Art History/Museum Studies 2255 Series

Art History/Museum Studies 2900 - Art History/Museum Studies 3255

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

An in-depth investigation into the theory, practice, critical response and context of major North American and European art movements between 1945 and 1970.

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)

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 3850 (Visual Commercial Culture) (prior to 2007/2008) is equivalent to the same offering in the Art History/Museum Studies 3255 Series

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

Contact hours per week: 3-0-0

Other hours: 0-0-25

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 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. 181.

ART HISTORY/MUSEUM STUDIES GRADUATE COURSES (AHMS)**Faculty of Fine Arts****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**(ASCI)****Faculty of Arts and Science****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 graded 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 - Astronomy 2070**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 graded 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 graded 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 graded 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 graded 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 graded 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 graded by an assigned Faculty member.

*Prerequisite(s): Arts and Science 5012**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 (BCHM)
Faculty of Arts and Science**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

Equivalent: Biochemistry 2850 (Introduction to Biochemistry) (prior to 2007/2008)

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

Equivalent: Biochemistry 3010 (prior to 2007/2008)

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

Equivalent: Biochemistry 3020 (prior to 2007/2008)

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

Note: *This course may occasionally be offered with a laboratory when resources permit and the course theme is appropriate.*

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 (BIOL)
Faculty of Arts and Science**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

BIOLOGY 1020
Diversity of Life*Credit hours: 3.0**Contact hours per week: 3-3-0*

Comparative examination of the diversity of the major lineages of eukaryotic organisms from an evolutionary perspective.

Recommended Background: Biology 30

Biology 2000 - Biology 3420**BIOLOGY 2000****Principles of Genetics**

Credit hours: 3.0

Contact hours per week: 3-3-0

Fundamental principles of heredity, including Mendelian laws and genetic recombination. Topics include general concepts of gene structure, inheritance, organization, and expression.

Prerequisite(s): Biology 1010 AND

Biology 1020 AND

One of Mathematics 30-1, Pure

Mathematics 30, or

Mathematics 0500

BIOLOGY 2003/HEALTH**SCIENCES 2003****Epidemiology: The Ecology of Health and Disease**

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

admissibility to any program in

the Faculty of Health Sciences

Equivalent: Biology 3003/Health

*Sciences 3003 (prior to 2010/
2011)*

BIOLOGY 2200**Principles of Ecology**

Credit hours: 3.0

Contact hours per week: 3-3-0

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.

Prerequisite(s): Biology 1010 AND

Biology 1020 AND

One of Mathematics 30-1, Pure

Mathematics 30, or

Mathematics 0500

BIOLOGY 2806/HEALTH**SCIENCES 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

admissibility to any program in

the Faculty of Health Sciences

Equivalent: Biology 4806/Health

*Sciences 4806 (prior to 2010/
2011)*

BIOLOGY 3000**Gene Expression and Regulation**

Credit hours: 3.0

Contact hours per week: 3-0-0

Molecular mechanisms of inheritance, rearrangement and regulated expression of genetic information.

Prerequisite(s): Biology 2000

Recommended Background: One of

Chemistry 2120 or

Chemistry 2600

BIOLOGY 3005**Genome Maintenance**

Credit hours: 3.0

Contact hours per week: 3-0-0

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.

Prerequisite(s): Biology 2000

BIOLOGY 3105**Signal Transduction**

Credit hours: 3.0

Contact hours per week: 3-0-0

Intracellular systems regulating cell growth, division, and differentiation; emphasis will be placed on how cells communicate.

Prerequisite(s): Biology 2000

BIOLOGY 3115**Principles of Cell Growth**

Credit hours: 3.0

Contact hours per week: 3-0-0

Intracellular systems regulating cell communication in selected organisms, with emphasis on animal systems.

Prerequisite(s): Biology 2000

BIOLOGY 3210**Experimental Methods in Molecular and Cellular Biology**

Credit hours: 3.0

Contact hours per week: 3-3-0

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.

Prerequisite(s): Biology 2000 AND

Chemistry 2000

Equivalent: Biology 3850 (Experimental

*Methods in Molecular and Cellular Biology) (prior to 2009/
2010)*

BIOLOGY 3300**Evolution**

Credit hours: 3.0

Contact hours per week: 3-1-0

Study of the mechanisms underlying the evolutionary process. Topics include natural selection, quantitative genetics, adaptation, and speciation.

Prerequisite(s): Biology 2000 AND

One of Biology 2200 or

admission to the Post-Diploma

B.Sc. in Environmental Science

program

BIOLOGY 3310**Developmental Biology**

Credit hours: 3.0

Contact hours per week: 3-0-0

Genetic mechanisms controlling embryonic development, pattern formation, morphogenesis, and cell differentiation in selected model organisms.

Prerequisite(s): Biology 2000 AND

Biochemistry 2000

BIOLOGY 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)*

BIOLOGY 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

BIOLOGY 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

BIOLOGY 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)

BIOLOGY 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 program

BIOLOGY 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 program

BIOLOGY 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 program

BIOLOGY 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 program

Recommended Background: Biology 3300

Equivalent: Biology 4600 (prior to 2009/2010)

BIOLOGY 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 program

BIOLOGY 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. Course involves a series of day-long excursions to selected prairie, foothill, and boreal habitats characteristic of Southern Alberta.

Prerequisite(s): Biology 2000 AND One of Biology 2200 or admission to the Post-Diploma B.Sc. in Environmental Science program

Note: The mandatory field component in Cypress Hills Provincial Park will be completed during seven consecutive days prior to the start of the regular Fall Semester. A fee to offset field-related expenses and accommodation will be applied.

BIOLOGY 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 program

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): Biology 2000 AND Biology 2200

Recommended Background: Statistics 1770

Equivalent: Biology 3850 (Population Biology) (prior to 2012/2013)

Biology 3800 - Biology 4440**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 program

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): 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): Biology 3210 AND One of Biology 3000 or Biology 3005

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 1 (Cellular and Molecular Biology) AND

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): Biology 2200 AND

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 4800**Biology of Symbiotic Interactions**

Credit hours: 3.0

Contact hours per week: 3-3-0

Application of ecological and evolutionary theory to parasitic and mutualistic interactions. Topics include host/parasite coevolution, evolution of parasite virulence, parasite-mediated natural selection, and parasite control strategies.

Prerequisite(s): Biology 2200 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 - Canadian Studies 4995**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

BLACKFOOT**(BKFT)***Faculty of Arts and Science*

Note: *Blackfoot courses are offered by the Department of Native American Studies.*

BLACKFOOT 1000**Introductory Spoken Blackfoot***Credit hours: 3.0**Contact hours per week: 3-0-0*

An introduction to Blackfoot emphasizing the spoken language.

BLACKFOOT 2000**Spoken Blackfoot II***Credit hours: 3.0**Contact hours per week: 3-0-0*

Intermediate-level Blackfoot. The course combines the study of conversational Blackfoot with an introduction to reading and writing skills.
Prerequisite(s): Blackfoot 1000 or equivalent

Note: *Students who already speak some Blackfoot are eligible to take the course.*

BLACKFOOT 2210**Structure of the Blackfoot Language***Credit hours: 3.0**Contact hours per week: 3-0-0*

Distinctive sounds of Blackfoot and their phonetic detail. The Blackfoot alphabet and grammatical system.

BLACKFOOT 3210**Blackfoot Morphology and Syntax***Credit hours: 3.0**Contact hours per week: 3-0-0*

Grammatical system of Blackfoot with special attention to stem formation and sentence structure.
Prerequisite(s): Blackfoot 2210

BLACKFOOT 4210**Seminar in Blackfoot***Credit hours: 3.0**Contact hours per week: 3-0-0*

Topics in Blackfoot syntax and lexicon.
Prerequisite(s): Blackfoot 3210

CAMPUS ALBERTA APPLIED**PSYCHOLOGY****(CAAP)***Faculty of Education*

Note: *See p. 351.*

CANADIAN STUDIES**(CNST)***Faculty of Arts and Science***CANADIAN STUDIES 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 Successful completion of an Independent Study at the 3000 or 4000 level in a field relevant to the thesis AND Approval of the Coordinator of Canadian 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.

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. 73) 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
One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500

Recommended Background: Mathematics 31 AND
Physics 30

Substantially Similar: Chemistry 1110; Chemistry 2100 (prior to 2007/2008); 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
One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500

Equivalent: Chemistry 2110 (prior to 2009/2010)

Substantially Similar: Chemistry 1000; Chemistry 2100 (prior to 2007/2008)

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; Chemistry 2200 (prior to 2007/2008)

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 - Chemistry 3840**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;
Chemistry 2100 (prior to
2007/2008)***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**Substantially Similar: Chemistry 2200 (prior to
2007/2008)***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**Equivalent: Chemistry 2720 (prior to
2007/2008);
Chemistry 2850 (Physical
Chemistry I) (prior to 2007/
2008)**Substantially Similar: Chemistry 2710 (prior to
2007/2008)***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
Chemistry 2740 AND
Mathematics 2560 AND
Physics 2000 AND
Third-year standing (a
minimum of 60.0 credit hours)**Equivalent: Chemistry 3000 (General
Topics in Contemporary
Chemistry) (prior to 2009/
2010)***Note:** *Credit will only be given once for
Chemistry 3250; however, Chemistry
Majors are encouraged to attend seminars
offered in the context of this course.***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**Substantially Similar: Chemistry 3810 (prior to
2007/2008)***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**Substantially Similar: Chemistry 3820 (prior to
2007/2008)*

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

Equivalent: Chemistry 3420 (Electroanalytical Chemistry) (prior to 2007/2008) is equivalent to the same offering in the Chemistry 4000 Series; Chemistry 3510 (Practical Spectroscopy) (prior to 2007/2008) is equivalent to the same offering in the Chemistry 4000 Series; Chemistry 3550 (Organic Chemistry III) (prior to 2007/2008) is equivalent to the same offering in the Chemistry 4000 Series; Chemistry 3710 (Physical Chemistry II) (prior to 2007/2008) is equivalent to the same offering in the Chemistry 4000 Series

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 forms, 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

Note: All M.Sc. students enrolled in Chemistry must take this course for credit once during their program.

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

Note: All Ph.D. students in one of the multidisciplinary Ph.D. programs, but defined as students in Chemistry, must take this course for credit once during their program unless they already have credit for Chemistry 5250.

COMPUTER SCIENCE

(CPSC)

Faculty of Arts and Science

COMPUTER SCIENCE 1000**Introduction to Computer Science**

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

Note: This course may NOT be included among the courses required for a Computer Science or Mathematics major in Arts and Science.

COMPUTER SCIENCE 1620**Fundamentals of Programming I**

Credit hours: 3.0

Contact hours per week: 3-1-1

Introduction to problem-solving and algorithms. Machine representation of data. Implementation of algorithms in a programming language. Fundamentals of programming concepts including branching and loops. Top-down programming and modular design. Arrays. Records. Techniques for constructing elegant and robust programs.

Prerequisite(s): One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, or Mathematics 0500

Computer Science 1820 - Computer Science 3710**COMPUTER SCIENCE 1820****Discrete Structures***Credit hours: 3.0**Contact hours per week: 3-0-1*

Introduction to proofs. Algorithms and complexity. Divisibility and modular arithmetic. Matrix algebra. Counting. Discrete probability. Graphs and trees.

Prerequisite(s): One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, or Mathematics 0500

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*

Review of number systems. Boolean algebra and simplification of Boolean functions. Combinational circuits.

Sequential circuits. Registers and counters.

Prerequisite(s): Computer Science 1620 AND One of Computer Science 1820 or Mathematics 1410

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*

Advanced object-oriented techniques including inheritance and polymorphism. Introduction to object-oriented design. Error detection and handling. Testing. Correctness and efficiency of programs. Collaborative software project. Version control. UNIX programming tools and scripting languages.

Prerequisite(s): Computer Science 2620

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

COMPUTER SCIENCE 3620**Data Structures and Algorithms***Credit hours: 3.0**Contact hours per week: 3-0-0*

Efficient algorithm design and algorithm analysis. Abstract data types and data structures. Algorithm design and problem-solving techniques for sorting problems, tree-based problems, and graph-based problems.

Prerequisite(s): Computer Science 1820 AND Computer Science 2620

COMPUTER SCIENCE 3630**Theoretical Foundations of Computing***Credit hours: 3.0**Contact hours per week: 3-0-0*

Computation as strings and languages. Regular languages, finite state automata and their equivalence. Formal Grammars. Context-free languages, push-down automata and their equivalence. Recursive languages and recursively enumerable languages. Turing machines and effective computability. Church's thesis. The Chomsky hierarchy.

Prerequisite(s): Computer Science 1620 AND Mathematics 2000

COMPUTER SCIENCE 3655**Operating Systems***Credit hours: 3.0**Contact hours per week: 3-0-0*

Overview of operating systems: history, functionality, design issues. Operating system principles and structures. Concurrency: process state, context switches, mutual exclusion, semaphores, deadlock. Scheduling: preemption, schedules, processes and threads. Memory management: swapping, paging, segmentation, placement and replacement algorithms.

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): Computer Science 2620 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*

Two- and three-dimensional geometric transformations. Viewing and projection principles. Object representation and simple lighting. Hidden line and surface removal, clipping. Surface Representations: Bezier and Spline methods. Texture mapping. Graphics pipeline programming.

Prerequisite(s): Computer Science 2620

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

Classical ciphers, substitution ciphers, permutation ciphers. Shannon's information theory, entropy, Huffman codes, perfect secrecy and the one-time pad. Symmetric-key ciphers: block and stream ciphers. Public-key cryptosystems. Key distribution. Message authentication and digital signatures.

Prerequisite(s): Computer Science 2620 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): Computer Science 2620 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): Computer Science 2620

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

Characteristics of humans in the context of user interfaces. Design principles and methodologies. Interface evaluation with and without user involvement. Development of graphical user interfaces. Applications of human-computer interaction in program design.

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

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): A major in Computer Science or Computer Science and Geographical Information Science AND Fourth-year standing (a minimum of 90.0 credit hours)

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): A major in Computer Science or Computer Science and Geographical Information Science AND Fourth-year standing (a minimum of 90.0 credit hours)

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): A major in Computer Science or Computer Science and Geographical Information Science AND Fourth-year standing (a minimum of 90.0 credit hours)

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

Mathematics for the analysis of algorithms. Models of computation. Advanced algorithms. NP-completeness. Topics chosen from: probabilistic algorithms, parallel algorithms, complexity classes.

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 - Drama 2310**COMPUTER SCIENCE 4780****Distributed Systems**

Credit hours: 3.0

Contact hours per week: 3-0-0

Distributed computing environments. Interprocess communication. Distributed file systems. Synchronization. Protection and security.

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 GRADUATE COURSES (CPSC)

Faculty of Arts and Science

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

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) is equivalent to the same offering in the Computer Science 5310 Series

CREE (CREE)**Faculty of Arts and Science**

Note: *Cree courses are offered by the Department of Native American Studies.*

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**(DRAM)****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 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 2310**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: *Production attendance, rehearsal, performance on campus.*

DRAMA 2320**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

DRAMA 2340**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: *Production attendance, performance on campus.*

DRAMA 2341**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: *Performance 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: *Drama 2350 is intended for non-Drama majors and is NOT counted toward the degree requirements in any B.F.A. (Dramatic Arts) degree program nor in any B.A. or B.A.Sc. degree program with a major in Dramatic Arts. B.F.A. (Multidisciplinary) students may count Drama 2350 toward the second and third major area only. Production attendance.*

DRAMA 2420**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: *Production attendance, rehearsal, performance on campus.*

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: *Production attendance, working weekend, performance.*

DRAMA 2600**Portfolio in Dramatic Arts I**

Credit hours: 3.0

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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: *Rehearsal.*

DRAMA 2750**Dramatic Writing: Fundamentals**

Credit hours: 3.0

Contact hours per week: 1-2-0

An exploration of dramatic writing for stage, screen and television.

Prerequisite(s): Drama 1000 AND Drama 2100

Note: *Working weekend.*

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)

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 2810

Note: *Rehearsals, production attendance.*

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.

Drama 3030 - Drama 3600**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 endeavour. 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: *Drama 3040 is intended for non-Drama majors and is NOT counted toward the degree requirements in any B.F.A. (Dramatic Arts) degree program nor in any B.A. or B.A.Sc. degree program with a major in Dramatic Arts. B.F.A. (Multidisciplinary) students may count Drama 3040 toward the second and third major area only. Production attendance.*

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

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): Will be specified (including any recommended background) for individual offerings

DRAMA 3310**Acting: Scene Study I**

Credit hours: 3.0

Contact hours per week: 2-4-0

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: *Production attendance, rehearsal, performance.*

DRAMA 3311**Acting: Scene Study II**

Credit hours: 3.0

Contact hours per week: 2-4-0

Other hours: 0-0-40

Intense application and further development of skills covered in Drama 3310.

Prerequisite(s): Drama 3310

Note: *Production attendance, rehearsal, performance.*

DRAMA 3320**Voice and Speech for the Actor**

Credit hours: 3.0

Contact hours per week: 2-4-0

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: *Rehearsal, performance on campus.*

DRAMA 3341**Movement Studies II (Series)**

Credit hours: 3.0

Contact hours per week: 2-4-0

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: 2-4-0

Other hours: 0-0-25

An investigation of contemporary approaches to Theatre for Young Audiences.

Prerequisite(s): Drama 2510

Note: *Production attendance, rehearsal, performance on and/or off campus.*

DRAMA 3600**Portfolio in Dramatic Arts II**

Credit hours: 3.0

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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 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: Working weekend.

DRAMA 3760**Canadian Plays in Development**

Credit hours: 6.0

Contact hours per week: Variable

Professional practicum in play development and production focussing 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: 2-4-0

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

DRAMA 3827**Design Techniques**

Credit hours: 3.0

Contact hours per week: 2-4-0

Other hours: 0-0-25

Drafting for the stage, model construction and computer application to theatre design.

Prerequisite(s): Drama 2825

Note: Rehearsal/production attendance.

DRAMA 3845**Design for Theatre: Studio I (Series)**

Credit hours: 3.0

Contact hours per week: 2-4-0

Other hours: 0-0-25

Interpretation, visualization and conceptualization of theatre design concentrating on one area: scenery, costumes or lighting.

Prerequisite(s): Drama 2100 AND

Drama 2825

(Additional prerequisites may be specified, including any recommended background, for individual offerings)

Note: Rehearsal/production attendance.

DRAMA 3850**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 3870**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 2100

OR

15 university-level courses (a minimum of 45.0 credit hours)

Recommended Background: One of

Drama 2120 or Drama 2130

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: 2-4-0

Studio-based experiences of contemporary practices in live theatrical performance and theatre creation.

Prerequisite(s): Drama 3310

Note: Rehearsal/production attendance.

DRAMA 4312**Acting for the Camera**

Credit hours: 3.0

Contact hours per week: 2-4-0

Other hours: 0-0-40

Techniques and processes used in performance for television, film, and other related media.

Prerequisite(s): Drama 3310

Equivalent: Drama 3850 (Acting for the Camera) (prior to 2007/2008)

Note: Rehearsal/participation in film project on and/or off campus.

DRAMA 4420**Directing**

Credit hours: 3.0

Contact hours per week: 2-4-0

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: Production attendance, rehearsal, performance on campus.

Drama 4600 - Economics 1012**DRAMA 4600****Portfolio in Dramatic Arts III***Credit hours: 3.0**Contact hours per week: 0-0-0**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 461 I**Technical Theatre Portfolio III***Credit hours: 3.0**Contact hours per week: 0-0-0**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 261 I 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)****Faculty of Fine Arts****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 & Dramatic Arts

DRAMA 521 I**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 & Dramatic Arts

DRAMA 5600**Theatre Studio Performance***Credit hours: 3.0**Contact hours per week: Variable*

Approved participation in one major production of the Department of Theatre and Dramatic Arts. Preparation of material from the perspective of actor, designer, or technician.

Prerequisite(s): Admission to the M.F.A. program with major in Theatre & Dramatic Arts

DRAMA 5850**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): Admission to the M.F.A. program with major in Theatre & Dramatic Arts

DRAMA 5990**Independent Studies in Dramatic Arts***Credit hours: 3.0**Contact hours per week: Variable*

Independent studies of any topic in the Dramatic Arts.

Prerequisite(s): Admission to the M.F.A. program with major in Theatre & Dramatic Arts

DRAMA 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 Theatre & Dramatic Arts

Grading: Pass/Fail

ECONOMICS**(ECON)****Faculty of Arts and Science****ECONOMICS 1010****Introduction to Microeconomics***Credit hours: 3.0**Contact hours per week: 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.

ECONOMICS 1012**Introduction to Macroeconomics***Credit hours: 3.0**Contact hours per week: 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.

**ECONOMICS 2070/
MANAGEMENT 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 both Health Sciences 3450/ Psychology 3450 and admission to the B.H.Sc./B.Mgt. combined degrees program AND Second-year standing (a minimum of 30.0 credit hours)

**ECONOMICS 2120
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 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 Agricultural Issues**

Credit hours: 3.0

Contact hours per week: 3-0-0

Agriculture in a modern economy. Globalization of agriculture. Canadian agriculture in the World Trade Organization and NAFTA. Safety net issues. Subsidies in agriculture. Marketing issues in Canadian agriculture. Current policy debates.

Prerequisite(s): Economics 1010

**ECONOMICS 2170
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: 3-1-0

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

**ECONOMICS 2900
Economics and Business Statistics**

Credit hours: 3.0

Contact hours per week: 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

**ECONOMICS 3010
Intermediate Microeconomic Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

An analytical approach to optimal resource allocation in a competitive economy; the theory of consumer behaviour; the theory of cost and production; price determination under perfect competition and monopoly; general equilibrium theory; welfare economics.

Prerequisite(s): Economics 1010

**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, and the 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: 3-1-0

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. Case studies relate theoretical concepts to modern firms.

Prerequisite(s): Economics 1010

Economics 3080/Management 3780 - Economics 3710**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 connected with the use of natural resources; problems of exploitation and conservation; benefit-cost analysis as a decision-making tool in the natural resource field; problems of increasing resource scarcities and conflicts in resource use in Canada and internationally.

*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 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 3550****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 3600****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 3710****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 3750**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 3800****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 3900/****MANAGEMENT 3721****Economic and Business Forecasting***Credit hours: 3.0**Contact hours per week: 3-0-0*

Construction, estimation and forecasting economic and business time series using a variety of techniques including simple trend extrapolations, multiple regression models, ARIMA models, simultaneous equation models, input-output models and subjective methods, with emphasis on computer applications and proper forecasting methodology.

*Prerequisite(s): Economics 1012 AND One of Economics 2900 or Statistics 2780***ECONOMICS 3950****Econometrics***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 4010****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 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 - Education 3502

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 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.

EDUCATION

(EDUC)

Faculty of Education

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 2501**APPLIED STUDIES****Practicum I - Orientation to Teaching**

Credit hours: 3.0

Contact hours per week: 0-0-0

Other hours: 0-0-100

Students complete a minimum of 100 hours as an employee or volunteer in a school setting. The course is similar to Education 2500 but may be particularly appropriate for students employed as teacher assistants or working as volunteers outside of the Lethbridge area.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours) in Arts and Science AND
A GPA of 2.50, calculated on all University of Lethbridge and transferable courses

Grading: Pass/Fail

EDUCATION 2510**APPLIED STUDIES****Work Experience Evaluation**

Credit hours: 3.0

Development of a specific learning proposal defining the learning objectives to be achieved and a written/oral evaluation of the work experience in an educational setting. Formal written submission is required to demonstrate ability to apply theory to the work experience.

Corequisite(s): Education 2500

Grading: Pass/Fail

PROFESSIONAL SEMESTER I (PS I) (Fall only)

These components are restricted to students admitted to and registered in PS I. Students must register for the complete package and are assigned to schools for related field experiences.

EDUCATION 3500**Professional Semester I Practicum**

Credit hours: 3.0

Contact hours per week: 0-0-0

Other hours: 0-0-125

Students are assigned to schools for approximately 125 hours in a generic practicum to develop and practice skills and knowledge related to on-campus components.

Grading: Pass/Fail

EDUCATION 3501**Curriculum and Instruction**

Credit hours: 2.0

Contact hours per week: 0-0-0

Other hours: 24-0-0

Interpreting and mapping of pedagogical content knowledge and integrated teaching strategies, with particular focus on meeting learner needs through establishing learner outcomes, lesson and rudimentary unit planning and classroom management.

EDUCATION 3502**Educational Psychology**

Credit hours: 2.0

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

Other hours: 24-0-0

Introduction to a variety of approaches to evaluating student learning.

EDUCATION 3505**Teaching Seminar**

Credit hours: 2.0

Contact hours per week: 0-0-0

Other hours: 0-24-0

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

Contact hours per week: 0-0-0

Other hours: 24-0-0

An introduction to knowledge, skills, attitudes, and critical perspectives, for effectively integrating communications technology into teaching and learning.

Grading: Pass/Fail

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

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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 behavioural needs within mixed-ability classrooms.

EDUCATION 3603**Social Context of Schooling**

Credit hours: 3.0

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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)**

Students who have completed PS II will have the opportunity to choose from a number of alternative PS IIIs, including:

- an Elementary Education PS III;
- a Secondary Education PS III;
- a 'Special Focus' PS III; or
- one from a choice of Fine Arts PS IIIs (Art, Dramatic Arts or Music).

PS III is compulsory for all students.

Note: *Students should be aware that PS III will be in a school setting for a full semester anywhere in southern Alberta (or beyond, at student request); and students will be responsible for their own accommodations and/or travel expenses.*

**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 - Education 4573

**PROFESSIONAL SEMESTER III
(PS III)****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.*

Niisitapi

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 Niisitapi 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 enrol 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 enrol 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, instrument maintenance and appropriate instructional strategies.

Prerequisite(s): Music 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 - Education 4271

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): Music 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): Music 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 4265**Children's and Young Adult Literature in the Classroom**

Credit hours: 3.0

Contact hours per week: 3-0-0

The characteristics, qualities and pedagogical uses of literature for children and young adults.

Prerequisite(s): Professional Semester I

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 4310**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)

Note: Education 4320 will not be counted toward the B.Ed. degree if it is taken prior to admission to the Bachelor of Education program.

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

Contact hours per week: 0-0-0

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

Contact hours per week: 0-0-0

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 - Education 4764**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****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 II***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**Contact hours per week: 0-0-0**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**Contact hours per week: 0-0-0**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 and Student Services (ROSS).

Education 4980 - Education 5500

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

Note: *Unless otherwise indicated, the prerequisite for each of the following courses is eligibility for admission to the M.Ed. program.*

Students in the CAAP program may take these courses only with the consent of the Assistant Dean of Graduate Studies and Research in the 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.

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.

Equivalent: Education 5850 (Critical Thinking) is equivalent only to the "Critical Thinking: Issues and Approaches" offering in the Education 5210 Series; Education 5850 (Issues in Student Evaluation) (prior to 2008/2009) is equivalent only to the "Issues in Student Evaluation" 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.

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.

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.

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.

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.

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.

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.

*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.

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.

*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.

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.

Equivalent: CAAP 6625 (CAAP 625) is equivalent to Education 5620 (Systemic Community Change: A Comprehensive Approach to Human Service Delivery); 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 - Education 5636

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.

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.

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.

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 M.Ed. (Educational Leadership) program

EDUCATION 5631**School Culture and the Instructional Program***Credit hours: 3.0**Contact hours per week: 3-0-0*

An examination of the leader's role in facilitating a positive school culture and in positioning teaching and learning as the focal point of schools.

Prerequisite(s): Admission to the M.Ed. (Educational Leadership) program

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 M.Ed. (Educational Leadership) program

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 M.Ed. (Educational Leadership) program

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 M.Ed. (Educational Leadership) program

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 M.Ed. (Educational Leadership) program

*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 M.Ed. (Educational Leadership) program

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 M.Ed. (Educational Leadership) program

Corequisite(s): Education 5635

Equivalent: Education 5850 (Educational Leadership Internship II) (prior to 2007/2008)

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.

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.

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.

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.

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.

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.

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.

Corequisite(s): Education 5704

Equivalent: CAAP 6621 (CAAP 621)

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): Education 5621 AND Education 5622 AND Education 5623 AND Education 5704 AND Education 5705 AND Education 5706 AND Education 5707 AND Education 5708

Equivalent: CAAP 6611 (CAAP 611)

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.

Corequisite(s): Education 5709

Equivalent: CAAP 6619 (CAAP 619)

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.

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.

Substantially Similar: Education 4760

Education 5764 - Education 6011-6014**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.

*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.

*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.

*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.

*Substantially Similar: Education 4767***EDUCATION 5769****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.

*Equivalent: Education 5760 (prior to 2009/2010)**Substantially Similar: Education 4769***EDUCATION 5850****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.

EDUCATION 5960**Professional Development***Credit hours: 1.5**Contact hours per week: 0-0-0**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.

EDUCATION 5990**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.

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.

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): Successful completion of the four core courses and six approved electives**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): Successful completion of the four core courses and seven approved electives in the M.Ed. program**Grading: Pass/Fail***EDUCATION 6011-6014****Thesis***Credit hours: 3.0 each**Grading: Pass/Fail*

**CAMPUS ALBERTA APPLIED
PSYCHOLOGY (CAAP)
Faculty of Education**

Note: Students not in the CAAP program may take these courses only with the consent of the Assistant Dean of Graduate Studies and Research in the Faculty of Education.

**CAAP 6601
Theories of Counselling and their
Application to Client Change**

Credit hours: 3.0

*Contact hours per week: Online facilitated
instruction*

Students are engaged in a critical evaluation of a range of contemporary counselling theories and they will begin to develop a description of their own emerging theory.

*Equivalent: CAAP 601;
Education 5705*

**CAAP 6603
Professional Ethics and Conduct**

Credit hours: 3.0

*Contact hours per week: Online facilitated
instruction/face-to-
face summer
institute*

Addresses legal and ethical issues in the practice and regulation of counselling in a variety of contexts including school counselling, private practice, and non-profit agencies. The focus is on ethical decision-making models and codes of conduct, professional standards and guidelines, federal and provincial laws/statutes, and the impact of counsellor's values on the counselling process.

*Equivalent: CAAP 603;
Education 5621;
Education 5620 (Ethics and
Professional Practice) (prior to
2012/2013)*

**CAAP 6605
Foundational Counselling and
Conflict Resolution Skills**

Credit hours: 3.0

*Contact hours per week: Online facilitated
instruction/face-to-
face summer
institute*

Focuses on the understanding and acquisition of skills that are essential for the development of working alliances in counselling contexts. The course will introduce a theoretical framework for the application of counselling skills in addition to providing opportunity for skill practice.

*Equivalent: CAAP 605;
Education 5704*

**CAAP 6607
Counselling Diverse Clients**

Credit hours: 3.0

*Contact hours per week: Online facilitated
instruction*

Focuses on increasing personal awareness, identification of conceptual frameworks, and development of in-depth knowledge of equity and diversity issues in counselling. Students will be expected to examine their own attitudes, behaviours, perceptions, and biases.

*Equivalent: CAAP 607;
Education 5622;
Education 5620 (Gender and
Culture) (prior to 2012/2013)*

**CAAP 6611
General 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 general counselling setting. Students will be involved in direct work with clients under the supervision of a qualified professional.

*Prerequisite(s): 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)*

*Equivalent: CAAP 611;
Education 5709*

Grading: Pass/Fail

**CAAP 6613
Assessment: Processes and
Application**

Credit hours: 3.0

*Contact hours per week: Online facilitated
instruction/face-to-
face summer
institute*

Addresses the measurement of characteristics of individuals across the life span and diverse groups in a variety of contexts. Assessment models, psychometric theory and concepts, ethics of testing, and utilization of various classification systems for diagnosing client functioning are addressed. Standardized and non-standardized assessment techniques are examined to measure client change and individual characteristics.

*Prerequisite(s): CAAP 6601 (CAAP 601) AND
CAAP 6605 (CAAP 605)*

*Equivalent: CAAP 613;
Education 5707*

**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): CAAP 6601 (CAAP 601) AND
CAAP 6605 (CAAP 605)*

*Equivalent: CAAP 615;
Education 5706*

**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.

*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): CAAP 6611 (CAAP 611) AND
CAAP 6613 (CAAP 613) AND
CAAP 6615 (CAAP 615)*

*Equivalent: CAAP 619;
Education 5711*

Grading: Pass/Fail

CAAP 6621 - CAAP 6627**CAAP 6621****Foundations of Career Development***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

In this course students will explore fundamental principles that guide contemporary practices in career development. The course focuses on major theories and models of career choice and development as well as related research. Emphasis will be placed on the integration of theory with career counselling practice. Selected course readings and assignments will allow students to develop a broad understanding of the roles of career counsellors and of the major concepts and principles that guide effective career interventions.

*Prerequisite(s): CAAP 6601 (CAAP 601)**Equivalent: CAAP 621; Education 5708***CAAP 6623****Processes and Resources for Facilitating Career-Life Transitions***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

This course focuses on career counselling processes and resources for facilitating career-life transitions. An emphasis is placed on applying foundations of career development to counselling practice. Students gain knowledge about common issues associated with career-life transitions with selected populations. Models of career counselling and transition are reviewed as the basis for developing knowledge and skills required in program interventions for individuals and groups. Students also acquire knowledge about various types of career development resources and gain critical skills for selecting and using resources to facilitate career-life transitions.

*Prerequisite(s): CAAP 6605 (CAAP 605) AND CAAP 6621 (CAAP 621)**Equivalent: CAAP 623; Education 5620 (Processes and Resources for Facilitating Career-Life Transitions)***CAAP 6625****Leadership Skills: Facilitating Community Change***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

This course is designed to assist students to understand and recognize the process elements of a successful human service delivery system. Specific, practical techniques for designing, implementing, and assessing a team-oriented Systemic Service Plan (S.S.P.) are examined in detail. This course also includes an examination of current counselling issues that impact the delivery of community-based systemic programs and services. This course is applicable for professionals working in programs such as Comprehensive Guidance and Counselling, Comprehensive School Health, Comprehensive Organizational Health and Wellness, etc.

*Prerequisite(s): CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607)**Equivalent: CAAP 625; Education 5620 (Systemic Community Change: A Comprehensive Approach to Human Service Delivery)***CAAP 6627****Career Development in Organizational Settings***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

Career Development in Organizational Settings is offered in an online format and is designed to provide an interactive learning experience that combines theoretical and practical concerns. Resources include current texts, a list of readings as well as links to supplementary resources. Assignments are varied and include contributing your opinions online, offering your own critique of a theory, researching applications of career development, and interviewing career development/human resources practitioners. The course is structured into 13 lessons. The first five lessons address concepts and theories important to our understanding of career development within organizations. The next five lessons identify and analyze how career development services and programs are offered in organizational settings. The final three lessons highlight issues related to building career development strength in future organizations.

*Prerequisite(s): CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607)**Equivalent: CAAP 627; Education 5620 (Career Development in Organizational Settings)*

CAAP 6629
Multicultural Issues in Career Development

Credit hours: 3.0

Contact hours per week: Online facilitated instruction

Increasing cultural diversity requires career development practitioners to examine the ways that their services are designed and delivered. A major goal of this course is to enable students to deliver culturally responsive career counselling services. This course critically examines the values and tenets of major theories of career development. Emerging models of career counselling are reviewed for their applicability with selected populations. Students have the opportunity to examine core issues that impact the career development of diverse populations and consider interventions on both individual and systemic levels. A framework of multicultural counselling competencies will be reviewed to support students in the development of self-awareness, knowledge, skills, and organizational competence for career counselling roles.

Prerequisite(s): CAAP 6607 (CAAP 607) AND CAAP 6621 (CAAP 621)

Equivalent: CAAP 629; Education 5620 (Multicultural Issues in Career Development)

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.

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.

Equivalent: CAAP 633; Education 5620 (Human Development)

CAAP 6635
Health Psychology

Credit hours: 3.0

Contact hours per week: Online facilitated instruction

In-depth study of the core principles and skills of health psychology including a focus on models of health, illness, health promotion, addictions, psychopharmacology, and brain mechanisms underlying behaviour. Counselling competencies, health psychology knowledge, and skills are applied to a range of professional contexts

Prerequisite(s): CAAP 6601 (CAAP 601) AND CAAP 6607 (CAAP 607) AND CAAP 6617 (CAAP 617)

Equivalent: CAAP 635; Education 5620 (Health Psychology)

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): 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)

CAAP 6639
Introductory Data Analysis for Counsellors

Credit hours: 3.0

Contact hours per week: Online facilitated instruction

This is an introductory course on descriptive and inferential statistics designed to give students with minimal statistical background sufficient competence to conduct basic statistical procedures. Topics will include the displaying and graphing of data, and computing and interpreting measures of central tendency, variability, and correlation. Regression analysis and prediction, probability, parameter estimation, hypothesis testing, and one-way analysis of variance will all be addressed. Emphasis will be on understanding the basic concepts, using software to conduct actual analyses, and on the interpretation of results.

Equivalent: CAAP 639; Education 5410 (Introductory Data Analysis for Counsellors)

CAAP 6641 - English 1900**CAAP 6641****Exceptional Children***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

This course provides an opportunity for students to enhance their awareness and understanding of major trends, developments, theoretical foundations, and current practices and challenges in counselling and providing consultation for special needs children and adolescents.

This course will allow students to assimilate, integrate, synthesize, and extend information regarding special education as well as foster their independent study and endeavours relative to the education of students with diverse learning needs.

Equivalent: CAAP 641; Education 5620 (Exceptional Children)

CAAP 6661**Art Therapy History and Theory***Credit hours: 3.0**Contact hours per week: Online facilitated instruction*

Art therapy is examined from a broad perspective, from its beginnings as a treatment for mentally or emotionally disturbed people, to its development as a distinct profession in North America and Europe. The works of key authors are covered, along with their theoretical approaches and current trends in the field. Students will learn how the foundations of art therapy are incorporated by many disciplines, with applications in many settings.

Equivalent: CAAP 661; Education 5620 (Art Therapy History and Theory)

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): CAAP 6601 (CAAP 601) AND CAAP 6603 (CAAP 603) AND CAAP 6605 (CAAP 605) AND CAAP 6607 (CAAP 607)

Equivalent: CAAP 681

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 CAAP program

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.

Grading: Pass/Fail

Note: No fees are assessed for this registration.

CAAP 6850**Graduate Seminar: 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 CAAP program

Equivalent: Any offering in the CAAP 693 Series with the same title as the offering in the CAAP 6850 Series

CAAP 6990**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 CAAP program

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.

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 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*

ENGINEERING 2060**Engineering Mechanics***Credit hours: 3.0**Contact hours per week: 3-2-0*

Analysis of cables. Friction forces. Fluid statics. Moments of inertia. Kinematics of rigid bodies. Plane motion of rigid bodies, force and acceleration, momentum and energy principles.

Prerequisite(s): Engineering 2000 AND Mathematics 1560

ENGLISH**(ENGL)****Faculty of Arts and Science****ENGLISH 1900****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 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 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 2200**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 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 2400**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 2450**Survey of English Literature II***Credit hours: 3.0**Contact hours per week: 3-0-0*

English literature from 1800 to the present in relation to historical and social contexts. Selected and representative works of such writers as Blake, Wordsworth, Keats, Tennyson, Browning, Woolf, Joyce and Auden.

Prerequisite(s): One of English 1900 or a previous course (3.0 credit hours) in English

ENGLISH 2500**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 2550**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, Williams, 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 - English 3350

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

ENGLISH 3301**Rise of the Novel***Credit hours: 3.0**Contact hours per week: 3-0-0*

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.

Prerequisite(s): Two 2000-level courses (6.0 credit hours) in English

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, Whitney, 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 transcendentalism 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 - English 4995**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): 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 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 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 minimum of eight courses (24.0 credit hours) in English AND Application to the Department of English

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**(ENVS)***Faculty of Arts and Science*

Note: *Environmental Science courses are interdisciplinary courses which are normally jointly delivered by more than one Arts and Science department.*

ENVIRONMENTAL SCIENCE 2000
Fundamentals of Environmental Science

Credit hours: 3.0

Contact hours per week: 3-0-0

An overview of the fundamentals of environmental science, with a focus on physical and living systems, processes and the ways in which humans depend on, interact with and affect these systems. Topics may include but are not limited to current environmental concerns, such as human population growth, human changes to biogeochemical cycles, and institutional responses to resource use and pollution.

Prerequisite(s): One 1000-level course (3.0 credit hours) in Biology, Chemistry, Geography, or Physics

ENVIRONMENTAL SCIENCE 3000
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.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

Note: *May require laboratories, tutorials or both.*

ENVIRONMENTAL SCIENCE 3999
Collaborative Registration Placeholder

This is a placeholder registration for students admitted to the Bachelor of Science (B.Sc.) with a major in Environmental Science who are enrolled in the Technical Studies Semester at an associated college.

Note: *No fees are assessed for this registration.*

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

Note: *May require laboratories, tutorials or both.*

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 and Student Services (ROSS).*

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.a.4., p. 41

Note: *Fees are assessed for this registration.*

EXERCISE SCIENCE**(EXSC)***Faculty of Arts and Science*
EXERCISE 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.

FINE ARTS**(FA)***Faculty of Fine Arts*
FINE ARTS 3001
Co-op Work Experience I

Credit hours: 0.0

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 the Co-operative Education program

Grading: Pass/Fail

Note: *Fine Arts 3001 cannot be taken concurrently with an Applied Studies course.*

Fine Arts 3002 - French 1000**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 3200**Study Tour (Series)**

Credit hours: 3.0

A group tour in Canada or in a foreign country that enables students to broaden their educational studies by examining and/or experiencing other educational and/or cultural institutions and settings.

Prerequisite(s): Permission of Faculty

FINE ARTS 3850**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

FINE ARTS 4850**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

FINE ARTS GRADUATE COURSES**(FA)****Faculty of Fine Arts****FINE ARTS 5020****Information Literacy for the Fine Arts**

Credit hours: 3.0

Contact hours per week: 3-0-0

A course designed to provide the M.F.A./M.Mus. graduate student with the conceptual framework and skills necessary to identify, locate, evaluate, and use a variety of information sources. Emphasis is on sound decision-making in information-seeking behavior across the rapidly changing information landscape.

Prerequisite(s): Admission to the M.F.A. or M.Mus. program

Equivalent: Art 5850 (Research Methods in the Fine Arts) (prior to 2011/2012); Art 5850 (Information Literacy for the Fine Arts) (prior to 2011/2012); Drama 5850 (Research Methods in Dramatic Arts) (prior to 2011/2012); Drama 5850 (Information Literacy for the Fine Arts) (prior to 2011/2012); Music 5020 (prior to 2011/2012)

FRENCH**(FREN)****Faculty of Arts and Science**

Note: *French courses are offered by the Department of Modern Languages.*

FRENCH 1000**Beginners' French I**

Credit hours: 3.0

Contact hours per week: 3-1-0

Fundamentals of spoken and written French. Use of the language laboratory.

Note: *For students with little or no knowledge of French. Mandatory placement test for all registrants.*

May not be taken for credit by students with French 30, 30S, 30N, 31A, 31B, 31C, or equivalent.

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 or [French 10, 20, or equivalent] AND
A satisfactory grade in the mandatory placement test

Note: May not be taken for credit by students with French 30, 30S, 30N, 31A, 31B, 31C, or equivalent.

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 or [French 30, 30S, 30N, 31A, 31B, 31C, or equivalent] AND
A satisfactory grade in the mandatory placement test

Note: May not be taken for credit by students with French Language Arts 30 or Français 30 or equivalent.

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

Substantially Similar: French 2001

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): French Language Arts 30 or Français 30 or equivalent.

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 minus' ('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 - Geography 2090**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 (GEOG)****Faculty of Arts and Science****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 or Environmental Science 2000***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

Neoclassical 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

Introduction to the atmosphere. Global circulation and the role of energy exchange. Structure and behaviour of world and regional weather systems. Synoptic meteorology. Bioclimatology. Climate variation and cycles.

Prerequisite(s): One of Geography 1000 or Environmental Science 2000

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

Introduction to quantitative methods and statistical problem solving in geography. Unique features of geographical data. Introductory methods for analysis and description of areal and point data. Central tendency, dispersion and shape of distributions. Classification methods. Use of Normal, Binomial, and Poisson distributions in geographical analysis. Bivariate correlation and regression analysis. Computer applications in statistical problem solving.

Prerequisite(s): One of Geography 1000 or Environmental Science 2000

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): Geography 1000

GEOGRAPHY 3035

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 2030

GEOGRAPHY 3060

Glaciology and Glacial Geomorphology

Credit hours: 3.0

Contact hours per week: 3-3-0

Other hours: 0-0-8

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 2030

GEOGRAPHY 3070

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 3075

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): Environmental Science 2000

GEOGRAPHY 3080

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 2030, Geology 2060, or admission to the Post-Diploma B.A. or B.Sc. in Agricultural Studies

Geography 3210 - Geography 3710**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 complexion 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) will be scheduled on a Saturday.

Prerequisite(s): One of Geography 2210 or [Agricultural Studies 1000 and a previous course (3.0 credit hours) in Geography]

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 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 Geography 2735

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 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): Geography 2735

GEOGRAPHY 3710**Field Techniques in the Earth Sciences***Credit hours: 3.0**Contact hours per week: 3-3-0**Other hours: 0-0-30*

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 3720**Remote Sensing***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): Geography 2735***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): Geography 2735***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): Geography 2735***GEOGRAPHY 3780****Field Research in Geography***Credit hours: 3.0**Contact hours per week: 3-0-0**Other hours: 0-0-70*

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): Geography 1000 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 1200 AND Third-year standing (a minimum of 60.0 credit hours)

Note: *Students who have completed Geography 3790, Geography 3850 (Field Excursion), and/or Geography 4850 (Field Excursion) courses will only be allowed to register for Geography 3791 if the excursion is to a different geographical location.*

Three (3) lecture hours prior to the excursion are required of all students to ensure they understand all appropriate logistical and safety information.

GEOGRAPHY 3792**Field Excursion in Physical 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 physical landscape evolution and processes past and present. The focus of this course will be on physical geography although some human geography will be encountered in the interactions of ancient and/or current societies with past and present environments. 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: *Students who have completed Geography 3790, Geography 3850 (Field Excursion), and/or Geography 4850 (Field Excursion) courses will only be allowed to register for Geography 3792 if the excursion is to a different geographical location.*

Three (3) lecture hours prior to the excursion are required of all students to ensure they understand all appropriate logistical and safety information.

GEOGRAPHY 4030**Series in Advanced Physical Geography***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) is equivalent to the same offering in the Geography 4030 Series

Geography 4060 - Geography 4710**GEOGRAPHY 4060****Agricultural Soil Management***Credit hours: 3.0**Contact hours per week: 3-3-0**Other hours: 0-0-16*

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): Geography 3080**Equivalent: Geography 4760 (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 a course in Soil Science from a recognized college**Equivalent: Geography 4770 (prior to 2010/2011)***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 4220****Series in Advanced Economic Geography***Credit hours: 3.0**Contact hours per week: 3-0-0*

Seminar presentation of contemporary problems in economic geography.

*Prerequisite(s): Geography 3225/ Management 3660***GEOGRAPHY 4240****Series in Advanced Urban Geography***Credit hours: 3.0**Contact hours per week: 3-0-0*

Seminar presentation of contemporary problems in urban geography.

*Prerequisite(s): Geography 3230***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**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

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

Substantially Similar: Geography 5753

GEOGRAPHY 4900

History and Theory of Geography

Credit hours: 3.0

Contact hours per week: 3-0-0

History and theory of geography from the Greeks to the present. Current status of geography in major nations of the world.

Prerequisite(s): Three courses (9.0 credit hours) in Geography

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

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 GRADUATE COURSES

(GEOG)

Faculty of Arts and Science

GEOGRAPHY 5025

Graduate Research Methods

Credit hours: 3.0

Contact hours per week: 3-0-0

Overview of contemporary research methods in Geography and/or Archaeology. Students will complete a number of assignments that will allow them to apply their acquired knowledge and skills directly to their research. Students will be assessed based on written components and oral presentations, including a research proposal and thesis outline.

Prerequisite(s): Admission to the M.A. or M.Sc. program

Equivalent: Geography 5850 (Graduate Research Methods) (prior to 2011/2012)

Geography 5753 - German 3300**GEOGRAPHY 5753****Graduate 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 7025**Graduate Research Methods**

Credit hours: 3.0

Contact hours per week: 3-0-0

Overview of contemporary research methods in Geography and/or Archaeology. Students will complete a number of assignments that will allow them to apply their acquired knowledge and skills directly to their research. Students will be assessed based on written components and oral presentations, including a research proposal and thesis outline.

Prerequisite(s): Admission to the Ph.D. program

GEOLOGY**(GEOL)**

Faculty of Arts and Science

Note: Geology courses are offered by the Department of Geography.

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

GERMAN**(GERM)**

Faculty of Arts and Science

Note: German courses are offered by the Department of Modern Languages.

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.

Note: For students with little or no knowledge of German. Mandatory placement test for all registrants.

May not be taken for credit by students with German 30 or German 31.

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

Note: May not be taken for credit by students with German 30 or German 31.

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 minus' ('C-') grade in each

Grading: Pass/Fail

Note: German 2250 is a required course for the major in German for the B.A. and B.A.Sc. and for the Modern Languages Education: German major. German 2250 is a recommended course for Modern Languages Education: German minors.

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

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*

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.

GREEK**(GREK)**

Faculty of Arts and Science

GREEK 1200**Elementary Biblical Greek I**

Credit hours: 3.0

Contact hours per week: 3-0-0

Fundamentals of Biblical Greek grammar and syntax. Readings in the New Testament.

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**(HLSC)**

Faculty of Health Sciences

HEALTH SCIENCES 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.

HEALTH SCIENCES 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.

HEALTH SCIENCES 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): Health Sciences 1020 AND
Psychology 1000*

HEALTH SCIENCES 2003/**BIOLOGY 2003****Epidemiology: The Ecology of Health and Disease**

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
admissibility to any program in
the Faculty of Health Sciences*

*Equivalent: Health Sciences 3003/
Biology 3003 (prior to 2010/
2011)*

HEALTH SCIENCES 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): Completion of all course
requirements for the first three
semesters of the B.H.Sc. -
Addictions Counselling program*

Grading: Pass/Fail

Note: *Students registered in Health
Sciences 2050 are full-time by definition.*

HEALTH SCIENCES 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): Health Sciences 1220

Corequisite(s): Health Sciences 2245

HEALTH SCIENCES 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): Health Sciences 1000 AND
Health Sciences 1020*

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 in Public Health or
Health Sciences*

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 - Health Sciences 3140

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

Equivalent: *Health Sciences 2850 (Biology of Infection, Infestation and Disease) (prior to 2007/2008)*

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 admissibility to any program in the Faculty of Health Sciences*

Equivalent: *Health Sciences 4806/ Biology 4806 (prior to 2010/2011)*

HEALTH SCIENCES 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)*

HEALTH SCIENCES 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): *Health Sciences 2120***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): *Third-year standing (a minimum of 60.0 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): *Third-year standing (a minimum of 60.0 credit hours)*

HEALTH SCIENCES 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)*

HEALTH SCIENCES 3140**Neurophysiology of Addictions**

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 B.H.Sc. (Addictions Counselling) program*

Substantially Similar: *Health Sciences 1225 (prior to 2012/2013)*

HEALTH SCIENCES 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 Bachelor of Health Sciences (Addictions Counselling major) or Bachelor of Health Sciences (Public Health major)

HEALTH SCIENCES 3240**Issues in Addiction and Mental Health**

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): Health Sciences 2050 AND Health Sciences 3120 AND Health Sciences 3130 AND Health Sciences 3150

HEALTH SCIENCES 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): Health Sciences 2050 OR Third-year standing (a minimum of 60.0 credit hours) in the Bachelor of Health Sciences (Public Health major)

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

An 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 3400**Legal Issues in Health Care**

Credit hours: 3.0

Contact hours per week: 3-0-0

An introduction to Canadian legal theory and practice as it affects health care delivery.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

HEALTH SCIENCES 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 Health Sciences 1220, Philosophy 1000, or admission to the Post-Diploma B.H.Sc. (Addictions Counselling) program.

Equivalent: Health Sciences 4850 (Ethics in Counselling) (prior to 2007/2008)

Health Sciences 3450/Psychology 3450 - Health Sciences 3800

**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 2000-level courses (6.0 credit hours) in Psychology, Neuroscience, or Health Sciences
OR
Third-year standing (a minimum of 60.0 credit hours)

Corequisite(s): Nursing 3360 (for B.N. students only)

Recommended Background: One of Psychology 2030 or Health Sciences 3260

Equivalent: Health Sciences 3259 (prior to 2007/2008)

**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)

Equivalent: Health Sciences 4850 (Information Management and Health Care) (prior to 2007/2008)

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): Third-year standing (a minimum of 60.0 credit hours)

**HEALTH SCIENCES 3749
Studies in Specific Addictive Disorders***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): Health Sciences 2050
OR
Third-year standing (a minimum of 60.0 credit hours) in the Bachelor of Health Sciences (Public Health major)

**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 3759
Addictions in Particular Populations***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): Health Sciences 2050
OR
Third-year standing (a minimum of 60.0 credit hours) in the Bachelor of Health Sciences (Public Health major)

**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 biology, sociology, psychology and demographics of aging in the Western world are considered. Ways of supporting the elderly in the community and improving their care and management in the hospital are discussed.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

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 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): Completion of all course requirements for Year Three of the B.H.Sc. - Addictions Counselling program

Grading: Pass/Fail

Note: *Students registered in Health Sciences 4050 are full-time by definition.*

HEALTH SCIENCES 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.

Prerequisite(s): Health Sciences 3120 AND Health Sciences 3130 AND Health Sciences 3150
OR

Third-year standing (a minimum of 60.0 credit hours) in the Bachelor of Health Sciences (Public Health major)

HEALTH SCIENCES 4700**Clinical Issues in Forensic Psychology**

Credit hours: 3.0

Contact hours per week: 3-0-0

A comprehensive review of the concepts, theory, research, and current practices associated with forensic psychology. Psychosocial, cognitive-behavioural, and biological approaches and psychodynamics will be addressed.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

Equivalent: Health Sciences 4850 (Clinical Issues in Forensic Psychology) (prior to 2007/2008)

HEALTH SCIENCES 4850**Topics in Health Sciences**

Credit hours: 3.0

Contact hours per week: 3-0-0

Topics to be announced.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

HEALTH SCIENCES 9999**Collaborative Registration Placeholder**

This is a placeholder registration for students admitted to the B.H.Sc. - Addictions Counselling program who are studying at an associated college.

Note: *No fees are assessed for this registration.*

HEALTH SCIENCES GRADUATE COURSES (HLSC)

Faculty of Health Sciences

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 the M.Sc. program in the Faculty of Health Sciences

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 the M.Sc. program in the Faculty of Health Sciences

Equivalent: Health Sciences 5850 (Philosophy of Inquiry) (prior to 2011/2012)

Health Sciences 5300 - History 2250**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 nonparametric tests, and the application of SPSS for statistical testing.

Prerequisite(s): Admission to the M.Sc. program in the Faculty of Health Sciences AND 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 the M.Sc. program in the Faculty of Health Sciences

Equivalent: Health Sciences 5850 (Advanced Qualitative Analysis) (prior to 2011/2012)

HEBREW**(HEBR)****Faculty of Arts and Science****HEBREW 1000****Elementary Hebrew I***Credit hours: 3.0**Contact hours per week: 3-0-0*

Basic grammar of classical Hebrew; reading and written work, translation of Hebrew prose.

HEBREW 1100**Elementary Hebrew II***Credit hours: 3.0**Contact hours per week: 3-0-0*

Continuation of grammar, reading and writing; translation of Biblical passages and ancient Hebrew inscriptions.

Prerequisite(s): Hebrew 1000

HISTORY**(HIST)****Faculty of Arts and Science****HISTORY 1000****Western Civilization***Credit hours: 3.0**Contact hours per week: 3-0-0*

Survey of selected historical developments in the Western world. Emphasis on continuity and change in the context of society, politics, government, economics, culture, diplomacy, and war.

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 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 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*

The Protestant Reformation. Politics of the dynasties. Spain, the Catholic Reformation and religious war. The general crisis of the 17th Century. The emergence of new powers. Changes in popular and elite culture.

Prerequisite(s): One of History 1000 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*

The Old Regimes of Europe. The French Revolution and Napoleonic Europe. Industrialization and ideologies. The Revolutions of 1848. Unification. Imperialism and the origins of the First World War. Trends in European thought, culture and society.

Prerequisite(s): One of History 1000 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 or a previous course (3.0 credit hours) in History

Note: Students who have officially declared a major in History for the B.A. or B.A.Sc. degree programs must complete History 2222 before enrolment in their first 4000-level course in History at the University of Lethbridge.

HISTORY 2250**China in the 19th and 20th Centuries***Credit hours: 3.0**Contact hours per week: 3-0-0*

China's transition from the Ch'ing Empire to the Chinese Republic to the People's Republic; changes and continuities in the transformative processes.

Prerequisite(s): One of History 1000 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 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 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 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 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 eras of New France and British North America, the prelude to Confederation.

Prerequisite(s): One of History 1000 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 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 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 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 3850 (Later Roman Empire) (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 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

History 3153 - History 3708**HISTORY 3153****Themes in the History of Revolutionary and Napoleonic France**

Credit hours: 3.0

Contact hours per week: 3-0-0

Discussions, readings and lectures on: conflicting interpretations of the Revolutionary Napoleonic Period; the Enlightenment critique of the Old Regime; the crisis of the monarchy; the phases of revolution; origins of the Terror; Reaction; the Directory; the rise of Napoleon; the Consulate and the Empire; consequences for France and Europe.

Prerequisite(s): One of History 2102 or History 2150

HISTORY 3202**Imperial Russia - 1694-1917**

Credit hours: 3.0

Contact hours per week: 3-0-0

A history of the Russian Empire from the reign of Peter the Great to the October Revolution.

Prerequisite(s): History 2150

HISTORY 3203**The Soviet Union**

Credit hours: 3.0

Contact hours per week: 3-0-0

A history of the Soviet state under the leadership of Lenin, Stalin, Khrushchev, Brezhnev and Gorbachev.

Prerequisite(s): One of History 1000 or a previous course (3.0 credit hours) in History

Recommended Background: History 2150

HISTORY 3300**The Witch-hunts in Early Modern Europe**

Credit hours: 3.0

Contact hours per week: 3-0-0

The phenomenon of witch-hunting in early modern Europe. Dominant themes include demonology, popular culture, gender analysis, judicial process, religious reform, socio-economic contributions to the hunts, and the role of community in early modern society.

Prerequisite(s): One of History 1000 or a previous course (3.0 credit hours) in History

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, 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 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): 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 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 3906**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 4001**Seminars in Ancient History (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

Prerequisite(s): History 2001 AND

Three additional courses (9.0 credit hours) in History AND Third-year standing (a minimum of 60.0 credit hours)

HISTORY 4010**Seminars in European History (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

Prerequisite(s): Two courses (6.0 credit hours) in European History AND Two additional courses (6.0 credit hours) in History AND 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): One of History 3202 or History 3203 AND

Three additional courses (9.0 credit hours) in History AND 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 2300 AND

Three additional courses (9.0 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): One of History 2250 or History 2290 AND

Three additional courses (9.0 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 2500 AND

Three additional courses (9.0 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 2600 AND

Three additional courses (9.0 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 2710 AND

History 2720 AND Two additional courses (6.0 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): Four courses (12.0 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): Four courses (12.0 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): One of History 2100 or a 3000-level course (3.0 credit hours) in Medieval History AND

Three additional courses (9.0 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 - Japanese 3001

INTERDISCIPLINARY STUDIES 2050**Globalization Since 1492**

Credit hours: 3.0

Contact hours per week: 3-0-0

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 3050**Capital, Culture, and Globalization**

Credit hours: 3.0

Contact hours per week: 3-0-0

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)*

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 8 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.*

JAPANESE

(JPNS)

Faculty of Arts and Science

Note: *Japanese courses are offered by the Department of Modern Languages.*

JAPANESE 1000**Beginners' Japanese I**

Credit hours: 3.0

Contact hours per week: 3-2-0

Fundamentals of spoken and written Japanese. Use of the language laboratory.

Note: *For students with little or no knowledge of the Japanese language. Mandatory placement test for all registrants.*

May not be taken for credit by students with Japanese 30 or equivalent.

JAPANESE 1100**Beginners' Japanese II**

Credit hours: 3.0

Contact hours per week: 3-2-0

Continuation of Japanese 1000.

Prerequisite(s): *One of Japanese 1000 or [Japanese 10 or 20] AND A satisfactory grade in the mandatory placement test*

Note: *May not be taken for credit by students with Japanese 30 or equivalent.*

JAPANESE 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 Japanese 1100 or [Japanese 30 or equivalent] AND*

A satisfactory grade in the mandatory placement test

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 or equivalent*

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 or equivalent*

KINESIOLOGY**(KNES)**

Faculty of Arts and Science

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 2000**Foundations of Motor Skill Acquisition**

Credit hours: 3.0

Contact hours per week: 3-0-0

Theoretical foundations of motor skill acquisition focusing on sociological, psychological, biomechanical and physiological factors common to motor skills and which contribute to or are barriers to skill acquisition.

KINESIOLOGY 2110**Biophysical Foundations of Human Movement**

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 functional anatomy, exercise physiology, motor control, and biomechanics.

Note: Kinesiology 2110 may NOT be included among the courses required for the B.Sc. Kinesiology major or the B.Sc. Exercise Science major.

KINESIOLOGY 2115**Scientific Basis of Strength Training**

Credit hours: 3.0

Contact hours per week: 3-0-0

An examination of the scientific nature of strength production from a physiological, neurological, biomechanical, and bioenergetic perspective. The course also addresses the science behind various forms of training and program development.

Prerequisite(s): One of Kinesiology 2110 or Kinesiology 2610

KINESIOLOGY 2130**Humanities Dimensions of Physical Activity Involvement**

Credit hours: 3.0

Contact hours per week: 3-0-0

Exploration of historical, philosophical, and literary dimensions of physical activity involvement.

KINESIOLOGY 2140**Psychological Dimensions of Physical Activity Involvement**

Credit hours: 3.0

Contact hours per week: 3-0-0

Exploration of psychological dimensions of physical activity involvement related to groups and individuals.

Substantially Similar: Kinesiology 2120 (prior to 2011/2012)

KINESIOLOGY 2150**Sociological Dimensions of Physical Activity Involvement**

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 2200**Research Methodologies in Physical Activity Involvement**

Credit hours: 3.0

Contact hours per week: 3-0-0

Exploration of qualitative and quantitative research methods used in the study of sport and physical activity involvement.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

KINESIOLOGY 2350**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

Substantially Similar: Kinesiology 4650 (prior to 2008/2009)

KINESIOLOGY 2520**Contemporary Health Issues**

Credit hours: 3.0

Contact hours per week: 3-0-0

Personal and community health problems in the contemporary world.

Kinesiology 1000 - Kinesiology 2750**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 2670**Introduction to Movement Disorders**

Credit hours: 3.0

Contact hours per week: 3-0-0

General principles of nervous system organization and function. Neural correlates and behavioural deficits of major motor disorders.

Prerequisite(s): One of Biology 1010 or Psychology 1000 AND Second-year standing (a minimum of 30.0 credit hours)

Equivalent: Kinesiology 2850 (Introduction to Movement Disorders) (prior to 2012/2013)

KINESIOLOGY 2750**Physical Basis of Ergonomics**

Credit hours: 3.0

Contact hours per week: 3-0-0

An introduction to the pathology and prevention of work-related musculoskeletal disorders. The course will focus on establishing and illustrating the multi-factorial genesis of injuries in the workplace, using a combination of current research and case study.

Equivalent: Kinesiology 2850 (Physical Basics of Ergonomics) (prior to 2009/2010)

Kinesiology 2986 - Kinesiology 3680**KINESIOLOGY 2986****Coaching in Sport**

Credit hours: 3.0

Contact hours per week: 3-0-0

Coaching theory incorporating information relative to sport from biology, physiology, psychology and sociology; Theory Level I and II certification within the National Coaching Certification Program.

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 2130

Equivalent: Kinesiology 3850 (The Modern Olympic Movement) (prior to 2013/2014)

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 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 or History 1000

KINESIOLOGY 3500**Physical Activity and Nutrition**

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): One 2000-level course (3.0 credit hours) in Kinesiology from the Science list—see Part 4 - Academic Regulations, Section 10, List III: Science Courses, p. 90

KINESIOLOGY 3610**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 3630**Growth, Development and Aging**

Credit hours: 3.0

Contact hours per week: 3-0-0

Basis for exercise derived from study of individual physical, social and psychological growth patterns and the physical and environmental factors affecting human development stages.

Prerequisite(s): Kinesiology 2200

KINESIOLOGY 3640**Culture of Physical Activity**

Credit hours: 3.0

Contact hours per week: 3-0-0

Examines the culture of sport and physical activity through critical theoretical frameworks (e.g., Cultural Studies, Marxism, Feminism, and Black Studies). The focus is on critical engagements with representations of sport as a form of popular culture.

Prerequisite(s): One of Kinesiology 2150 or Sociology 1000

KINESIOLOGY 3645**Media and Physical Activity**

Credit hours: 3.0

Contact hours per week: 3-0-0

Exploration of the intersections of sport, mass media, and popular culture in a globalized contemporary context.

Prerequisite(s): One of Kinesiology 2150 or Sociology 1000

Recommended Background: Kinesiology 3640

Equivalent: Kinesiology 3850 (Sport, Media and Popular Culture) (prior to 2009/2010);

Kinesiology 3850 (Media and Physical Activity) (prior to 2009/2010)

KINESIOLOGY 3650**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 Second-year standing (a minimum of 30.0 credit hours)

KINESIOLOGY 3670**Motor Skill Learning**

Credit hours: 3.0

Contact hours per week: 3-0-0

Acquisition and improvement of gross motor skills based on an interplay of athlete-related and environment-facilitated conditions.

Prerequisite(s): One 2000-level course (3.0 credit hours) in Kinesiology

KINESIOLOGY 3680**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 One of Kinesiology 2140 or Psychology 1000 AND Third-year standing (a minimum of 60.0 credit hours)

KINESIOLOGY 3690**Motor Control**

Credit hours: 3.0

Contact hours per week: 3-2-0

An examination of 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 2600

Recommended Background: Neuroscience 2600

KINESIOLOGY 3740**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 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 One of Kinesiology 2140 or Psychology 1000 AND Third-year standing (a minimum of 60.0 credit hours)

KINESIOLOGY 3986**Applied Studies - Coaching**

Credit hours: 3.0

Contact hours per week: 0-0-0

Other hours: 0-0-130

Practical coaching experiences in the community. In the context of the coaching placement students will consider the relationship of coaching theory to practice through written assignments.

Prerequisite(s): Kinesiology 2986 AND Second-year standing (a minimum of 30.0 credit hours)

Recommended Background: One of Kinesiology 3610 or Kinesiology 3650 AND At least one Physical Activity course in the area of coaching placement

KINESIOLOGY 4200**Physical Activity and Health**

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 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 1000 AND History 2710 AND History 2720

KINESIOLOGY 4500**Physical Activity and Aging**

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 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 4620**Leadership and Management of Kinesiology, Sport and Recreation**

Credit hours: 3.0

Contact hours per week: 3-0-0

Function of organization, leadership and programs in kinesiology, sport and recreation.

Prerequisite(s): One 3000-level course (3.0 credit hours) in Kinesiology

Kinesiology 4630 - Kinesiology 4900**KINESIOLOGY 4630****Physical Activity and Special Populations***Credit hours: 3.0**Contact hours per week: 3-0-0*

Theories of adaptive and developmental activities for differentially-abled persons.

*Prerequisite(s): Two 3000-level courses (6.0 credit hours) in Kinesiology***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****Biomechanical Instrumentation and Analysis***Credit hours: 3.0**Contact hours per week: 3-3-0*

Methods used in human motion and performance analysis. State-of-the-art instrumentation and data analysis methods: 3D Motion Capture System, 3D Force Platform, EMG, Fast-Fourier Transformation, and Artificial Neural Network.

*Prerequisite(s): Kinesiology 2200 AND Kinesiology 3650***KINESIOLOGY 4665****Biomechanical Modelling***Credit hours: 3.0**Contact hours per week: 3-3-0*

Methods of modeling used in quantitative human performance studies. Theories related to three-dimensional biomechanical modelling; issues related to biomechanical model design; programming, testing; and trouble shooting in program testing.

*Prerequisite(s): Kinesiology 2200 AND Kinesiology 3650**Recommended Background: Kinesiology 4660***KINESIOLOGY 4680****Advanced Sport Psychology***Credit hours: 3.0**Contact hours per week: 3-0-0*

Integration of theory with practice in the development of mental skills training programs in sport, exercise, and physical activity settings. Strong emphasis on performance enhancement from a psychological perspective in a variety of physical activity settings.

*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 intersections 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 postcolonialism, black liberation discourse, and critical multiculturalism, 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****Seminar***Credit hours: 3.0**Contact hours per week: 3-0-0*

Considered a 'capstone' course for Kinesiology, this course examines contemporary issues pertinent to the discipline and offers the opportunity to integrate knowledge obtained in previous courses.

Prerequisite(s): A major in Kinesiology AND Kinesiology 2200 AND Third-year standing (a minimum of 60.0 credit hours)

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

One of Kinesiology 3990 or Kinesiology 4990 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.

LATIN (LATI) Faculty of Arts and Science

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 (LBED) Faculty of Arts and Science

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).

Equivalent: Liberal Education 1001 (prior to 2007/2008)

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 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

Equivalent: Liberal Education 1002 (prior to 2007/2008)

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 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.

Equivalent: Liberal Education 2850 (Quantitative Reasoning) (prior to 2007/2008)

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.

Prerequisite(s): Second-year standing (a minimum of 30.0 credit hours)

Equivalent: Liberal Education 2850 (Problems and Puzzles) (prior to 2012/2013)

Liberal Education 3010 - Linguistics 2600

LIBERAL EDUCATION 3010

Series in Liberal Education

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

Equivalent: Any offering of Liberal Education 3850 (prior to 2007/2008) with the same title as the offering in the Liberal Education 3010 Series

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 3010 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 3600

Human Evolution Across Disciplines

Credit hours: 3.0

Contact hours per week: 3-0-0

Major developments in the emergence of humans and culture. Study of theories of evolution and the examination and study of hominid fossils and stone tools in order to understand human biological and cultural development. Emphasis on the various disciplines contributing to this research area.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)

Recommended Background: Archaeology 1000

Equivalent: Archaeology 3600; 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)

Equivalent: Liberal Education 3001 (prior to 2007/2008); Liberal Education 3002 (prior to 2007/2008)

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

(LBSC)

Faculty of Arts and Science

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

(LING)

Faculty of Arts and Science

Note: *Linguistics courses are offered by the Department of Modern Languages.*

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**(LOGI)****Faculty of Arts and Science**

Note: *Logic courses are offered by the Department of Philosophy.*

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 exposed in a preliminary way to Predicate Logic.

LOGIC 2500**Studies in Logic (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

The Logic 2500 series makes available to students special courses that are not offered regularly. Some of these courses reflect the research interests of members of the faculty, and thus offer students an early glimpse of how research is done. In other cases, the course could be a response to student interest.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

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 - Management 3002

MANAGEMENT (MGT)
Faculty of Management

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
Marketing

Credit hours: 3.0

Contact hours per week: 3-0-0

The marketing function of organization; decision areas in the external environment, marketing strategies, research, consumer behaviour, product classification and development, distribution, promotion and pricing.

Recommended Background: Economics 1010 AND Economics 1012

Equivalent: Management 3020 (prior to 2012/2013)

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 2060
Introduction to Information Technology

Credit hours: 3.0

Contact hours per week: 1.5-3-0

An overview of concepts in personal computer system fundamentals as well as system and productivity software. Students will learn how to effectively use an operating system along with programs for word processing, spreadsheets, presentations, web design, and related purposes.

Substantially Similar: Computer Science 1000

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] AND Second-year standing (a minimum of 30.0 credit hours)

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 CA Bridging program

Note: All prerequisite courses must have a minimum 'C minus' ('C-') grade.

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 CA Bridging program

MANAGEMENT 3040**Finance**

Credit hours: 3.0

Contact hours per week: 3-0-0

Corporate financial decision-making and analysis. Capital budgeting, including net present value and internal rate of return measures for project evaluation. Other topics including cost of capital and long-term financing.

Prerequisite(s): Economics 1010 AND

Economics 1012 AND

Management 2400 AND

One of Statistics 1770 or

[Health Sciences 3450/

Psychology 3450 and

admission to the B.HSc./B.Mgt. Combined Degrees program]

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 3061**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 - Management 3131

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, and 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): Third-year standing (a minimum of 60.0 credit hours) AND Successful application to the Integrated Management Experience (IME) program (Management 3091 is a prerequisite for admission to Management 3092 in the following semester)

Corequisite(s): Management 3040 or equivalent AND One of Writing 1000 or a university English course (3.0 credit hours)

Note: *Students who successfully complete Management 3091 and Management 3092 will not have to complete Management 3031, Management 3050/Political Science 3420, Management 3061, and Management 3650. Apply online at www.uleth.ca/man-cbp/ime/*

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 CA Bridging program

Corequisite(s): Management 3040

Note: *All prerequisite courses must have a minimum 'C minus' ('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 minus' ('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 CA Bridging program AND Management 2400

Note: *All prerequisite courses must have a minimum 'C minus' ('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 minus' ('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 CA Bridging program AND Management 2400 AND Third-year standing (a minimum of 60.0 credit hours)

Substantially Similar: Management 3150 (prior to 2007/2008)

Note: *All prerequisite courses must have a minimum 'C minus' ('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

Equivalent: Management 4120 (prior to 2007/2008)

Note: *All prerequisite courses must have a minimum 'C minus' ('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 minus' ('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 minus' ('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 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 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)**Equivalent: Management 3850 (Social Marketing) (prior to 2007/2008)***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 3370**Strategic Career Management***Credit hours: 3.0**Contact hours per week: 3-0-0*

Developments in human resource management and their impact upon career planning in corporations, including human resource inventory systems. Career development systems, specific corporate and human resource plans and financial considerations, including the analysis of benefits and costs.

Prerequisite(s): Management 2030 AND Management 3050/Political Science 3420

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 3580/Native American Studies 3280 - Management 3710

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): Third-year standing (a minimum of 60.0 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 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 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 3690****Management in World History***Credit hours: 3.0**Contact hours per week: 3-0-0*

Management principles illuminate world history, and world history illustrates important principles of management. This course seeks to better understand both management principles and human achievement and struggle over time on a global scale through exploration of selected historical themes.

*Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours)**Equivalent: Management 4850 (Management in World History) (prior to 2007/2008)***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 3721/
ECONOMICS 3900****Economic and Business Forecasting***Credit hours: 3.0**Contact hours per week: 3-0-0*

Construction, estimation and forecasting economic and business time series using a variety of techniques including simple trend extrapolations, multiple regression models, ARIMA models, simultaneous equation models, input-output models and subjective methods, with emphasis on computer applications and proper forecasting methodology.

Prerequisite(s): Economics 1012 AND One of Economics 2900 or Statistics 2780

**MANAGEMENT 3780/
ECONOMICS 3080****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)

Equivalent: Management 3812 (prior to 2007/2008) is equivalent only to the "Japanese Business Management" offering in the Management 3815 Series

MANAGEMENT 3821**Visual Programming Applications***Credit hours: 3.0**Contact hours per week: 3-0-0*

Fundamentals of programming concepts using Visual Basic as a modern programming language. An introductory visual and event-driven approach to structured programming for problem solving.

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)

Equivalent: Health Sciences 4850 (Information in Health Care) (prior to 2007/2008)

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 - Management 4210

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 2030

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 3980-3981**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 4110**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 minus' ('C-') grade.

MANAGEMENT 4130**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 minus' ('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 income 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

Substantially Similar: Management 4150 (prior to 2007/2008)

Note: All prerequisite courses must have a minimum 'C minus' ('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

Equivalent: Management 3120 (prior to 2007/2008)

Note: All prerequisite courses must have a minimum 'C minus' ('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 4210**Advertising and Promotions**

Credit hours: 3.0

Contact hours per week: 3-0-0

Advertising and public relations theory, media structures, regulatory supervision and social responsibility.

Prerequisite(s): Management 3210

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 behaviour; 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; costing a 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 4380**Management Issues in Information Systems**

Credit hours: 3.0

Contact hours per week: 3-0-0

Issues in the management of technology and organizational information systems and their impact on society, organizations, and employees. This course will be case-based and will focus on relationships between information systems functions and the organization.

Prerequisite(s): Management 3061 AND

Management 3830

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 - Management 4580**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 4508/NATIVE**AMERICAN STUDIES 4150****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

MANAGEMENT 4551**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): Management 3551/ Geography 3551

Note: *Students with relevant work experience in the tourism industry or a course in tourism may be eligible for a prerequisite waiver for Management 4551.*

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

Contact hours per week: 0-0-0

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 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): 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 4862**Business Data Communication and Networking**

Credit hours: 3.0

Contact hours per week: 3-0-0

Current trends in computer networking technologies involving both wire line and wireless media and several communication protocols (e.g., TCP/IP). Students will become familiar with concepts and issues in, as well as technological and managerial perspectives on, Wide Area, Metropolitan Area, and Local Area Networks. Students will gain practical experience regarding the setup and installation of a common networking software package by completing a group project in the networking lab.

*Prerequisite(s): Computer Science 1620 AND
Fourth-year standing (a
minimum of 90.0 credit hours)*

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/man-cbp/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 GRADUATE
COURSES****(MGT)****Faculty of Management****MANAGEMENT 5100****Orientation**

Credit hours: 0.0

Contact hours per week: 0-0-0

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 5170**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**Contact hours per week: 0-0-0**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 5125****Thinking by Design II***Credit hours: 1.5**Contact hours per week: 3-0-0*

The second course begins with mapping mental states and processes to ensure that students share a common language as they get deeper into 'thinking about thinking.' The course then moves into 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: *Management 5125 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

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: 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 5300**Major Seminar II (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

MANAGEMENT 6100**Master's Thesis***Credit hours: 15.0*

Addresses a significant management issue or problem. Provides hands-on experience in conducting research. The topic must address valid research questions related to real market, industry, or organization issues in the area of specialization. The thesis must yield output of publishable quality that reflects a substantive contribution to knowledge. Students will defend their research proposal early in the course and are required to successfully defend their proposal to continue with their thesis work.

Prerequisite(s): Successful completion of previous M.Sc. (Management) module

Grading: Pass/Fail

MATHEMATICS (MATH)**Faculty of Arts and Science****MATHEMATICS 0500****Essential Mathematics***Credit hours: 3.0**Contact hours per week: 3-0-1*

Polynomials and rational functions, trigonometry, exponential and logarithmic functions, inequalities, rudiments of probability and counting.

Prerequisite(s): Mathematics 30-2 or Applied Mathematics 30

Note: This course may not be taken for credit by students with Mathematics 30-1 or Pure Mathematics 30

This course may not be included among the mathematics courses required for Computer Science or Mathematics majors in Arts and Science.

MATHEMATICS 1410**Elementary Linear Algebra***Credit hours: 3.0**Contact hours per week: 3-0-1*

Linear systems. Vectors and matrices. Determinants. Orthogonality and applications. Vector geometry. Eigenvalues, eigenvectors, and applications. Complex numbers.

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*

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 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*

Functions. Limits. Continuity. Differentiation and integration of polynomial, rational, root, trigonometric, exponential, and logarithmic functions. Applications of derivatives, including linear approximations and Taylor polynomials. Curve sketching and optimization. Anti-derivatives. Change of variable. Definite integrals. Fundamental Theorem of Calculus.

Prerequisite(s): One of Mathematics 30-1, Pure Mathematics 30, or Mathematics 0500

Recommended Background: Mathematics 31 and a blended 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*

Logic, proofs. Set theory. Relations and functions. Finite and countable sets. Induction. Examples of axiomatic mathematical theories.

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 - Mathematics 3600

MATHEMATICS 2090**Number Systems**

Credit hours: 3.0

Contact hours per week: 3-0-1

Principles of Logic. Number Systems and Bases. Sets of real numbers: Integers, Rationals, Irrationals. Modular Arithmetic and applications. Divisibility, primes and elementary number theory.

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

Applications of integration; logarithmic, exponential, and hyperbolic functions; inverse functions; inverse trigonometric and hyperbolic functions; indeterminate forms; improper integrals; techniques of integration; polar coordinates; introduction to differential equations.

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

Groups, abelian groups, subgroups, quotient groups. Homomorphism. Isomorphism theorems. Lagrange's theorem. Permutation groups. Sylow theorems. Commutative rings, subrings, ideals. Quotient rings and ideals. Polynomial rings.

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

Vector spaces over the real and complex numbers. Basis and dimension. Linear transformations. Change of basis. Gram-Schmidt orthogonalization. Eigenvectors and diagonalization. Canonical forms. Cayley-Hamilton Theorem.

Prerequisite(s): Mathematics 1410 AND Mathematics 2000

MATHEMATICS 3461**Elementary Number Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

Division algorithm. Fundamental Theorem of Arithmetic. Euclidean Algorithm. Linear Diophantine equations. Congruences. Chinese Remainder Theorem. Quadratic reciprocity. Additional topics such as Pythagorean triples, Gaussian integers, sums of squares, continued fractions, arithmetic functions, or cryptography.

Prerequisite(s): Mathematics 2000

MATHEMATICS 3500**Analysis I**

Credit hours: 3.0

Contact hours per week: 3-0-0

Rigorous treatment of the notions of calculus of a single variable, emphasizing epsilon-delta proofs. Completeness of the real numbers. Upper and lower limits. Continuity. Differentiability. Riemann integrability.

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

Complex number system and complex plane. Analytic functions. Complex integration. Power series. Calculus of residues.

Prerequisite(s): Mathematics 2580 AND One of Mathematics 2000 or Physics 2150

Equivalent: Mathematics 4560 (prior to 2007/2008)

MATHEMATICS 3600**Differential Equations I**

Credit hours: 3.0

Contact hours per week: 3-0-0

First order ordinary differential equations. Second and higher order ordinary differential equations. Linear systems of ordinary differential equations. Qualitative theory of ordinary differential equations. Applications. Series solutions. Singular point expansions. Elementary linear difference equations.

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
Adjoints. Oscillation theory. Matrix methods. Matrix exponential functions. Sturm-Liouville theory. Orthonormal systems and Fourier series. Eigenfunction expansions. Laplace, Fourier and Mellin transforms. Convolutions. Convergence theory. Plancherel and Parseval formulae. Distributions. Solving PDEs using integral transforms. Fundamental solutions. Separation of variables. Heat, wave and Poisson equations. Harmonic functions.
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
Topological spaces. Topology of metric spaces. Continuity. Open covers and compactness. Separation. Connectedness.
Prerequisite(s): Mathematics 3500
Equivalent: Mathematics 3310 (prior to 2007/2008)

MATHEMATICS 4400
Field Theory

Credit hours: 3.0
Contact hours per week: 3-0-0
Polynomial rings. Fields and field extensions, construction problems. Finite fields. Galois Theory. Fundamental Theorem of Algebra.
Prerequisite(s): Mathematics 3400

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
Sequences and series of functions. Uniform continuity. Uniform convergence. The Stone-Weierstrass Theorem. The Lebesgue (or Riemann-Stieltjes) integral. Fourier series. Other topics.
Prerequisite(s): Mathematics 3500

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.

MATHEMATICS GRADUATE COURSES (MATH)

Faculty of Arts and Science

MATHEMATICS 5410
Algebra

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): One of Mathematics 4400 or two semesters of Abstract Algebra

MATHEMATICS 5510
Analysis

Credit hours: 3.0
Contact hours per week: 3-0-0
Topics in measure theory, Banach spaces, L_p-spaces, Fourier and Complex analysis.
Prerequisite(s): One of Mathematics 4500 or two semesters of Real Analysis
Equivalent: Mathematics 5850 (Advanced Analysis) (prior to 2009/2010)

MUSIC (MUSI)

Faculty of Fine Arts

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

Music 2160 - Music 2510**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: *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 recognition. 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 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.Mus. program with a major in Digital Audio Arts

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: 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

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: 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 III**

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 - Music 3630**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: *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

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: *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 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: *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 3630**Advanced Audio Engineering 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)

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 3548—see note below

Note: *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**On-site Recording and Audio 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 3630

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

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

Students will undertake the development and production of a professional quality portfolio. In addition, this course covers the requisite legal knowledge and skills required to function in a creative and demanding professional industry-related organization.

Prerequisite(s): Music 2550

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 2550

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 3850**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: *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 upon 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 - Music 4749**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

MUSIC 4610**Interactive Computer Music and Computer-Assisted Composition***Credit hours: 3.0**Contact hours per week: 3-0-0*

Utilizing state-of-the-art technology and computer software, students are provided with the requisite tools to create interactive creative works involving all aspects of audio and multimedia production.
Prerequisite(s): Music 3670

MUSIC 4632**Programming for Music Applications***Credit hours: 3.0**Contact hours per week: 3-0-0*

An introduction to various programming languages and systemic processes commonly used in computer applications for music. Topics include an introduction to algorithms and programming; data structures and programming techniques for the development of music and audio software and integrated system components (plug-ins); development of audio and control systems; advanced data structures; object-oriented programming; source code optimization for Digital Signal Processing (DSP) applications; and debugging techniques.
Prerequisite(s): Music 4600

MUSIC 4633**Music Software Design***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 4636**Scoring for Film and Digital Media***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): Music 3650

MUSIC 4637**Audio Spatialization Techniques***Credit hours: 3.0**Contact hours per week: 3-0-0*

An exploration of current methods and technologies for spatializing audio for studio mastering and live performance. Students will gain experience with software, hardware, and engineering techniques required to implement various mixing formats including stereo imaging, quadraphonic, octophonic, and 5.1 surround sound. Emphasis on the aesthetic impact of the mixing format on the musical material and on the articulation of compositional designs in a spatial dimension.
Prerequisite(s): Music 3670

MUSIC 4660**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 3460

MUSIC 4721**Canadian Music***Credit hours: 3.0**Contact hours per week: 3-0-0*

An examination of the music of selected Canadian composers representative of trends in the history of Canadian Music.
Prerequisite(s): Music 3580

MUSIC 4748**Studio VII - (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 3460 AND**Music 3461 AND**Music 3480 AND**A minimum grade of 'C' in**Music 3648—see note below*

Note: *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 4749**Applied Research and Computer Music Composition I***Credit hours: 3.0**Contact hours per week: 1-2-0*

A research project course with two main components: 1) a creative composition or performance project, involving significant reliance on music technology for production and/or realization; 2) a written research paper discussing the techniques of production and/or an analysis of the creative work.
Prerequisite(s): Music 3670

MUSIC 4848**Studio VIII - (Instrument)***Credit hours: 3.0**Contact hours per week: 1-4-0*

One hour of individual and up to four hours of master class instruction per week; concert attendance requirement. 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. Design and presentation of a recital in lieu of examination.

Prerequisite(s): A minimum grade of 'C' in Music 4748—see note below

Note: *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 4849**Applied Research and Computer Music Composition II***Credit hours: 3.0**Contact hours per week: 1-2-0*

A continuation of Music 4749 that allows students to further develop their expertise in a chosen specialty. A research project course with two main components: 1) a creative composition or performance project, involving significant reliance on music technology for production and/or realization; 2) a written research paper discussing the techniques of production and/or an analysis of the creative work.

Prerequisite(s): Music 4749

MUSIC 4850**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 4871**Opera Workshop II***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): Music 3871 AND Audition

Recommended Background: Music 2248

Note: *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 GRADUATE COURSES**(MUSI)****Faculty of Fine Arts****MUSIC 5000****Musicology Seminar (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 upon student interest and availability of expertise of faculty.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5010**Music Theory Seminar (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 upon student interest and availability of expertise of faculty.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5450**Collaborative Piano/Guitar - Voice***Credit hours: 3.0**Contact hours per week: 2-0-1*

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.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5451**Collaborative Piano/Guitar - Instruments***Credit hours: 3.0**Contact hours per week: 2-0-1*

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.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5748**Graduate Studio I***Credit hours: 3.0**Contact hours per week: 2-4-0*

Two hours of individual and up to four hours of master class instruction per week.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5758**Recital***Credit hours: 3.0**Contact hours per week: 2-4-0*

Two hours of individual and up to four hours of master class instruction per week.

Design and presentation of a full-length recital.

Prerequisite(s): Music 5748

MUSIC 5848**Graduate Studio II***Credit hours: 3.0**Contact hours per week: 2-4-0*

Two hours of individual and up to four hours of master class instruction per week.

Prerequisite(s): Music 5748

MUSIC 5850**Special Topics in Music***Credit hours: 3.0**Contact hours per week: 3-0-0*

Topics in music 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.Mus. program

MUSIC 5871**Opera Workshop I***Credit hours: 3.0**Contact hours per week: 3-0-0*

Preparation and performance of musical material in an opera workshop production.

Prerequisite(s): Admission to the M.Mus. program

MUSIC 5872**Opera Workshop II***Credit hours: 3.0**Contact hours per week: 3-0-0*

Preparation and performance of musical material in an opera workshop production.

Prerequisite(s): Admission to the M.Mus. program

Music 6001 - Music Ensemble Activity 1550**MUSIC 6001****Research Project**

Credit hours: 12.0

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.

Prerequisite(s): Admission to the M.Mus. program

Grading: Pass/Fail

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**(MUSE)****Faculty of Fine Arts****MUSIC ENSEMBLE ACTIVITY 1151****Vox Musica I**

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.

Note: *Also available to all qualified students on a non-credit basis.*

Attendance requirement.

MUSIC ENSEMBLE ACTIVITY 1151**Vox Musica II**

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 1150

Note: *Also available to all qualified students on a non-credit basis.*

Attendance requirement.

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): One of 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 2150
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 1351 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 - Music Ensemble Activity 2950**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: 0-0-4*

An introduction to the skills required to be a good collaborative artist including sight reading and quick study; preparation of vocal and instrumental scores; rehearsal techniques; and listening, voicing, and balancing. Students will practice their skills with fellow vocal and instrumental students as well as with classmates in four-hand piano literature.

*Prerequisite(s): One of Music 2248 or Audition***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 1551 or Music Ensemble Activity 1561 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. 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 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. 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 2550 or Music Ensemble Activity 2560 AND Audition**Equivalent: Music Ensemble Activity 3850 (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 295I
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
Electro-acoustic Ensemble I**

Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of live electronic music production with a focus on the historical and stylistic practices of selected electronic works including original student compositions. The electro-acoustic ensemble activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.

Prerequisite(s): One of Music 4600 or Music 4610

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
Electro-acoustic Ensemble II**

Credit hours: 1.5
Contact hours per week: 0-0-3
Participatory studies of the art of live electronic music production with a focus on the historical and stylistic practices of selected electronic works including original student compositions. The electro-acoustic ensemble activities consist of weekly rehearsals together with such supplementary rehearsals and performances as may be arranged.
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 - Music Ensemble Activity 4150

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 3870

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 3871

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 AND Audition

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 AND Audition

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: 0-0-4

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 3351 AND

Audition

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 4360

Orchestra VII

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 3361

Note: 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 required.

Prerequisite(s): Music Ensemble Activity 4360

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 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 - Native American Studies 2350**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): 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): Music Ensemble Activity 4870

Note: *Subject to availability of the instructor and funding.*

Attendance requirement.

**MUSIC ENSEMBLE ACTIVITY
GRADUATE COURSES (MUSE)**

Faculty of Fine Arts

**MUSIC ENSEMBLE ACTIVITY 5770
Ensemble I**

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

**MUSIC ENSEMBLE ACTIVITY 5775
Ensemble II**

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

**MUSIC ENSEMBLE ACTIVITY 5880
Ensemble III**

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

**MUSIC ENSEMBLE ACTIVITY 5885
Ensemble IV**

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

**NATIVE AMERICAN STUDIES
(NAS)**

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, 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 societies, 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 the 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 emphasizes the historical dimensions of community development. It explores, as well, regional and cultural variations on the role of families, clans and institutions in the elaboration of 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: 2-4-0

North American Indian art forms, design, philosophy, techniques, aesthetics and theory.

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
U.S. Indian 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

Credit hours: 3.0

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/
MANAGEMENT 3580
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: 2-4-0

Advanced techniques and design utilizing experimental art forms and philosophy as derived from the Native perspective.

Prerequisite(s): Native American Studies 2350

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 - Native American Studies 4700**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 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 (NEUR)

Faculty of Arts and Science

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 Psychology 1000 or Biology 1010

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 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 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 4630 - New Media 2010

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 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

NEW MEDIA (NMED)*Faculty of Fine Arts***NEW MEDIA 1000****Introduction to New Media***Credit hours: 3.0**Contact hours per week: 1-3-0*

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.

NEW MEDIA 1010**Introduction to Animation***Credit hours: 3.0**Contact hours per week: 1-3-0*

A survey of animation using traditional and contemporary techniques.

Note: *Not counted in the core New Media courses in the B.F.A. (New Media).*

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: 1-3-0*

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

NEW MEDIA 2010**Visual Communications for New Media***Credit hours: 3.0**Contact hours per week: 1-3-0*

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

NEW MEDIA 2030**Digital Video Production**

Credit hours: 3.0

Contact hours per week: 1-3-0

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

NEW MEDIA 2560**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): Second-year standing (a minimum of 30.0 credit hours)

Equivalent: New Media 2850 (Popular Narrative) (prior to 2012/2013)

NEW MEDIA 3010**Cinematography and Lighting**

Credit hours: 3.0

Contact hours per week: 1-2-0

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

NEW MEDIA 3030**3-D Computer Modelling and Animation**

Credit hours: 3.0

Contact hours per week: 1-4-0

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

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: 1-3-0

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: 3-1-0

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 aesthetic 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 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): One of New Media 2030 or Drama 2100

NEW MEDIA 3510**Narrative Production Techniques**

Credit hours: 3.0

Contact hours per week: 1-3-0

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: *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: 1-3-0

Design practices and aesthetics for web-based media.

Prerequisite(s): One of New Media 2010 or Art 3060

New Media 3550 - New Media 466 I**NEW MEDIA 3550
History of Animation**

Credit hours: 3.0

Contact hours per week: 1.5-2.5-0

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 2850 (History of Animation) (prior to 2008/2009);
New Media 3850 (History of Animation) (prior to 2009/2010)*

**NEW MEDIA 3620
Digital Effects and Compositing**

Credit hours: 3.0

Contact hours per week: 1-4-0

Production and post-production methods for broadcast and film: motion graphics, animation, visual effects, and compositing.

Prerequisite(s): New Media 3030

**NEW MEDIA 3640
Character Animation I**

Credit hours: 3.0

Contact hours per week: 1-3-0

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

Equivalent: New Media 3850 (Introduction to Character Animation) (prior to 2007/2008)

**NEW MEDIA 3680
Interaction Design**

Credit hours: 3.0

Contact hours per week: 1-3-0

Creation of interface using materials from original sources to produce user-driven projects.

Prerequisite(s): New Media 3030 AND New Media 3520

**NEW MEDIA 3700
Event and Exhibition Design**

Credit hours: 3.0

Contact hours per week: 1-3-0

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)

**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

**NEW MEDIA 4420
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: 1-3-0

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

**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*

**NEW MEDIA 465 I
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. (New Media) AND
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 466 I

Grading: Pass/Fail

Note: *Students must take New Media 465 I and New Media 466 I in the same semester.*

**NEW MEDIA 466 I
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. (New Media) AND
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 465 I

Note: *Students must take New Media 465 I and New Media 466 I in the same semester.*

NEW MEDIA 4690**Advanced Studio**

Credit hours: 6.0

Contact hours per week: 2-6-0

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: *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: 1-3-0

Theory and practice of motion capture, motion editing, and motion mapping.

Prerequisite(s): New Media 4620

Equivalent: New Media 3830 (prior to 2007/2008)

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: 2-6-0

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 AND

Completion of the 12 core New Media courses AND

A cumulative GPA of 3.30 or higher in all New Media courses AND

Application to the Department of New Media

Note: *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.d.2. p. 187.*

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 GRADUATE COURSES**(NMED)****Faculty of Fine Arts****NEW MEDIA 5048****Graduate Studio I**

Credit hours: 9.0

Contact hours per week: 0-0-9

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

NEW MEDIA 5049**Graduate Studio II**

Credit hours: 9.0

Contact hours per week: 0-0-9

Self-directed study focusing on conceptual and material development in studio practice.

Prerequisite(s): New Media 5048

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 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

Nursing 1020 - Nursing 2125

NURSING (NURS)
 Faculty of Health Sciences

NURSING 1020
Concepts of Health I

Credit hours: 3.0

Contact hours per week: 3-0-0

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* *Corequisite(s): Nursing 1220 (Nursing 163 at Lethbridge College)*

Substantially Similar: Nursing 1050

Note: This course is offered as Nursing 150 at Lethbridge College.

NURSING 1050
Introduction to Nursing

Credit hours: 6.0

Contact hours per week: 6-0-0

This course provides an introduction to the concepts of health and wellness in individuals, groups, and populations, the roles of the nurse, and the use of group process strategies to support self-directed learning. The theory base for the development of therapeutic communication, basic nursing skills, and health assessment will also be incorporated.

Prerequisite(s): Admission to the Bachelor of Nursing After Degree program

Corequisite(s): Nursing 1150 (Nursing 182 at Lethbridge College)

Substantially Similar: Nursing 1020; Nursing 1120

Note: This course is offered as Nursing 181 at Lethbridge College.

NURSING 1120
Concepts of Health II

Credit hours: 3.0

Contact hours per week: 3-0-0

This 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): Nursing 1020 (Nursing 150 at Lethbridge College)

Corequisite(s): Nursing 1320 (Nursing 173 at Lethbridge College)

Substantially Similar: Nursing 1050

Note: This course is offered as Nursing 155 at Lethbridge College.

NURSING 1150
Health Assessment

Credit hours: 6.0

Contact hours per week: 0-0-12

This nursing practice course provides the foundation for developing therapeutic relationships and introduces the concepts of health assessment and basic nursing skills. It offers intensive practice in the lab environment in preparation for clinical practice in the following semester.

Prerequisite(s): Admission to the Bachelor of Nursing After Degree program

Corequisite(s): Nursing 1050 (Nursing 181 at Lethbridge College)

Substantially Similar: Nursing 1220; Nursing 1320

Note: This course is offered as Nursing 182 at Lethbridge College.

NURSING 1220
Nursing Practice I

Credit hours: 3.0

Contact hours per week: 0-0-9

This first nursing practice course provides the foundation for developing therapeutic and caring relationships with clients and introduces concepts of health assessment and 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

Corequisite(s): Nursing 1020 (Nursing 150 at Lethbridge College)

Substantially Similar: Nursing 1150

Note: This course is offered as Nursing 163 at Lethbridge College.

NURSING 1320
Nursing Practice II

Credit hours: 3.0

Contact hours per week: 0-0-9

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): Nursing 1220 (Nursing 163 at Lethbridge College) AND Biology 160 (Lethbridge College)/Biology 1xxx

Corequisite(s): Nursing 1120 (Nursing 155 at Lethbridge College)

Substantially Similar: Nursing 1150

Note: This course is offered as Nursing 173 at Lethbridge College.

NURSING 2020
Health, Illness and Healing I

Credit hours: 3.0

Contact hours per week: 3-0-0

This course provides an introduction to acute and chronic health challenges for adults with varied cultural backgrounds in diverse geographical settings. It integrates concepts of gerontology, 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

Note: This course is offered as Nursing 250 at Lethbridge College.

NURSING 2125
Health, Illness and Healing II

Credit hours: 3.0

Contact hours per week: 3-0-0

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 two semesters in the B.N. After Degree program

Note: This course is offered as Nursing 255 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 within 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 250 at Lethbridge College) AND Nursing 2150 (Nursing 263 at Lethbridge College)

Note: *This course is offered as Nursing 279 at Lethbridge College.*

NURSING 2150**Nursing Practice III**

Credit hours: 5.0

Contact hours per week: 0-0-15

This course teaches increasingly complex nursing skills and provision of basic nursing care for clients with acute and chronic health challenges across the lifespan, including child-bearing and child-rearing families.

*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 250 at Lethbridge College) or Nursing 2125 (Nursing 255 at Lethbridge College)

Grading: Pass/Fail

Note: *This course is offered as Nursing 263 at Lethbridge College.*

NURSING 2255**Nursing Practice IV**

Credit hours: 5.0

Contact hours per week: 0-0-15

In this course students provide nursing care for clients with acute and chronic health challenges across the lifespan, including child-bearing and child-rearing families.

Prerequisite(s): Nursing 2150 (Nursing 263 at Lethbridge College)

Corequisite(s): One of Nursing 2020 (Nursing 250 at Lethbridge College) or Nursing 2125 (Nursing 255 at Lethbridge College)

Grading: Pass/Fail

Note: *This course is offered as Nursing 293 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 pathophysiologic, 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*

Note: *This course is offered as Nursing 290 at Lethbridge College.*

NURSING 3008**Introduction to Baccalaureate Nursing**

Credit hours: 3.0

Contact hours per week: 3-0-0

Concepts of self-directed learning, problem based learning, group learning, scholarly writing and evidence-based practice.

Prerequisite(s): Application to the Post-Diploma B.N. program

NURSING 3020**Health, Illness and Healing III**

Credit hours: 3.0

Contact hours per week: 3-0-0

This course focuses on the experiences of individuals, families, and populations with increasingly complex health and health promotion challenges across the lifespan in community settings.

*Prerequisite(s): Completion of all Year Two requirements in the B.N. program
OR
Nursing 3008 for Post-Diploma B.N. students*

*OR
Completion of the first four semesters in the B.N. After Degree program*

Corequisite(s): Nursing 4520

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
Nursing 3008 for Post-Diploma B.N. students
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 - Nursing 4520**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 Two requirements in the B.N.

program
OR

Admission to the Post-Diploma B.N. program

OR

Completion of the first three semesters in the B.N. After Degree program

Corequisite(s): Nursing 4530

NURSING 3360**Research Methodology***Credit hours: 3.0**Contact hours per week: 3-0-0*

This course is designed to enhance the student's abilities to comprehend, critique and use research in professional practice.

Prerequisite(s): Third-year standing (a minimum of 60.0 credit hours) in the B.N. program

OR

Admission to the Post-Diploma B.N. program

OR

Admission to the B.N. After Degree program

OR

Third-year standing (a minimum of 60.0 credit hours) in the Public Health program

Corequisite(s): Health Sciences 3450/ Psychology 3450 (for B.N. students only)

NURSING 4015**Post-RN Clinical Practice II***Credit hours: 6.0**Other hours: 0-0-117*

Students will explore a second new avenue of clinical practice. Students will gain an advanced level nursing practice experience in the health-care field (Experience # 2).

Prerequisite(s): Admission to the Post-Diploma B.N. program AND

Proof of current registration with the College and Association of Registered Nurses of Alberta

Grading: Pass/Fail

NURSING 4135**Professional Seminar III***Credit hours: 3.0**Contact hours per week: 3-0-0*

Students will be offered an opportunity to examine psycho-social-spiritual, economic, ethical, and political issues influencing health, illness, and healing within both Canadian and global health care arenas.

Evidence-based change strategies (e.g., political, marketing, leadership) that address these issues will be explored.

Students will identify possible solutions to promote effective and efficient nursing care delivery to clients, families, and communities.

Prerequisite(s): Completion of all Year Three requirements in the B.N.

program

OR

Nursing 3008 for Post-Diploma B.N. students

OR

Completion of the first four semesters in the B.N. After Degree program

Corequisite(s): One of Nursing 4510, Nursing 4520, or 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.

program

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.

program

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.

program

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**Contact hours per week: 0-0-0**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 4850**Selected Topics***Credit hours: 3.0**Contact hours per week: 3-0-0*

Recommended background and prerequisites will be specified for each topic area.

NURSING 4990**Independent Study***Credit hours: 3.0**Contact hours per week: 3-0-0*

Please contact the Faculty of Health Sciences Academic Advisor for information regarding registration procedures for Independent Studies.

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.*

PHILOSOPHY**(PHIL)****Faculty of Arts and Science****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 2000**Studies in Philosophy (Series)***Credit hours: 3.0**Contact hours per week: 3-0-0*

The Philosophy 2000 series makes available to students special courses that are not offered regularly. Some of these courses reflect the research interests of members of the faculty, and thus offer students an early glimpse of how research is done. In other cases, the course could be a response to student interest.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

PHILOSOPHY 2001**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 relation 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 2111 - Philosophy 3260**PHILOSOPHY 2111****Introduction to Value Theory***Credit hours: 3.0**Contact hours per week: 3-0-0*

We probe the nature and kinds of values and evaluation, including morality, legality, normality, health and sanity, virtue and vice, quality of life and ethics; and the nature of ideologies such as Democracy, Feminism, Socialism, Capitalism, Liberalism, Religious Fundamentalism.

*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 2235****Philosophy of Feminism***Credit hours: 3.0**Contact hours per week: 3-0-0*

The course examines feminist criticism of traditional approaches to ethics, political theory and philosophy. At the same time, it examines the philosophical assumptions of feminism itself, taking into account issues that may include sexuality, race, social class, disabilities and globalization.

*Recommended Background: Philosophy 1000***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: One of Agricultural Studies 1000, Biology 1020, Economics 1010, Geography 1000, Geography 1200, History 1000, or 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 fuelling 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 do when liberty and equality conflict in cases such as affirmative action or pornography?

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

OR

Admission to any degree program offered by the Faculty of Health Sciences

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 - Philosophy 3450

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 3412

Philosophy of Science

Credit hours: 3.0

Contact hours per week: 3-0-0

Our modern world has been shaped by science, and it is important for all of us to reflect on its meaning and justification. In this course we examine questions such as: How can we tell the difference between science and pseudo-science? Is science literally true? Is science biased by class, culture or gender? What really happens during a scientific revolution? Is there really such a thing as scientific progress? How do scientists test their theories? What factors threaten scientific progress? Are there limits to science? Can we have too much science, or be too much influenced by it? Which scientific developments are philosophically important? This course is accessible to students who are not specialists in science but who have an open mind to new concepts.

Prerequisite(s): One of Philosophy 1000 or a 2000-level course (3.0 credit hours) in Philosophy

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. 90

PHILOSOPHY 3420

Wittgenstein

Credit hours: 3.0

Contact hours per week: 3-0-0

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.

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

Substantially Similar: Philosophy 4000 (Wittgenstein) (prior to 2007/2008)

PHILOSOPHY 3450

Philosophy of War

Credit hours: 3.0

Contact hours per week: 3-0-0

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.

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 3460**Philosophy of Peace**

Credit hours: 3.0

Contact hours per week: 3-0-0

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.

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

Substantially Similar: Philosophy 4000 (Peace and Conflict) (prior to 2007/2008)

PHILOSOPHY 4000**Studies in Philosophy (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

The Philosophy 4000 series has the same functions as the Philosophy 2000 and Philosophy 3000 series but at levels of study appropriate to senior philosophy majors or other students with a strong philosophical background.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

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 (PHAC)
Faculty of Arts and Science****PHYSICAL ACTIVITY 2005****Swimming I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of swimming strokes and aquatic skills equivalent to Red Cross White level.

Prerequisite(s): Ability to swim with confidence in deep water

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 2145**Introduction to Climbing**

Credit hours: 1.5

Contact hours per week: 0-3-0

Introduction to the basics of indoor sport climbing and bouldering.

Equivalent: Physical Activity 2805 (Climbing) (prior to 2012/2013)

PHYSICAL ACTIVITY 2155**Track and Field I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of basic skills and fundamental techniques of competitive track and field events.

PHYSICAL ACTIVITY 2175**Yoga**

Credit hours: 1.5

Contact hours per week: 0-3-0

This course is designed to introduce students to both the practice and philosophy of yoga and how yoga can be integrated into wellness programs for people of all ages and abilities. Students will explore basic yoga postures (asanas), with a special emphasis on the anatomy of the spine, as well as breathing and relaxation techniques to help reduce stress.

Equivalent: Physical Activity 2805 (Yoga I) (prior to 2008/2009)

PHYSICAL ACTIVITY 2225**Children's Dance**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of dance skills, exploration of movement fundamentals and creation and performance of dance for children.

PHYSICAL ACTIVITY 2235**Creative Dance**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of basic skills and fundamental techniques in creative, modern and interpretive dance.

PHYSICAL ACTIVITY 2425**Judo I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of basic skills, fundamental techniques and strategy.

PHYSICAL ACTIVITY 2445**Resistance Training for Health and Performance I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Practice of weight training principles. Theoretical aspects of progressive resistance exercise training.

Physical Activity 2505 - Physical Activity 3465

PHYSICAL ACTIVITY 2505**Basketball I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of basic skills, strategy, officiating, offensive and defensive techniques.

PHYSICAL ACTIVITY 2525**Ice Hockey I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of fundamental skills, strategy of play, officiating, offensive and defensive techniques.

PHYSICAL ACTIVITY 2535**Soccer I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of fundamental skills, strategy of play, officiating, offensive and defensive techniques.

PHYSICAL ACTIVITY 2545**Volleyball I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of basic skills, basic strategy, officiating and fundamental offensive and defensive techniques.

PHYSICAL ACTIVITY 2635**Tennis**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of introductory skills, strategies and techniques.

PHYSICAL ACTIVITY 2685**Badminton I**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of introductory skills, strategies and techniques.

PHYSICAL ACTIVITY 2695**Fencing**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of introductory skills, techniques and strategies of foil fencing.

PHYSICAL ACTIVITY 2705**Outdoor Education - Summer Activities**

Credit hours: 1.5

Contact hours per week: 0-0-0

Other hours: 0-0-140

Development of survival skills associated with camping, hiking, and outdoor recreation. Includes a series of lecture/seminars as well as outdoor camping trips.

Note: Usually offered in Summer Session I with outdoor experiences in one or two weekends.

PHYSICAL ACTIVITY 2715**Outdoor Education - Winter Activities**

Credit hours: 1.5

Contact hours per week: 0-0-0

Other hours: 0-0-140

Development of survival skills associated with winter camping, hiking, snowshoeing, and outdoor winter activities. Includes a series of lecture/seminars as well as outdoor camping trips.

Note: Usually offered in the Spring Semester with outdoor experiences during Reading Week.

PHYSICAL ACTIVITY 3005**Swimming II**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of advanced swimming skills and water safety knowledge leading to the Royal Life Saving Society (RLSS) Bronze Medallion, Senior Resuscitation and Bronze Cross Awards.

Prerequisite(s): Physical Activity 2005

PHYSICAL ACTIVITY 3105**Men's Artistic Gymnastics**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of a repertoire of intermediate gymnastic stunts, teaching progressions, spotting techniques, theoretical concepts, and training techniques that lead to competency in competitive gymnastics.

Prerequisite(s): Physical Activity 2135

PHYSICAL ACTIVITY 3115**Women's Artistic Gymnastics**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of a repertoire of intermediate gymnastic stunts, teaching progressions, spotting techniques, theoretical concepts, and training techniques that lead to competency in competitive gymnastics.

Prerequisite(s): Physical Activity 2135

PHYSICAL ACTIVITY 3120**Indoor Team Games**

Credit hours: 1.5

Contact hours per week: 0-3-0

Opportunities to experience many different indoor sports and games through understanding of rules, history of the activity, fundamental skill development, game strategy, and personal enjoyment.

PHYSICAL ACTIVITY 3121**Outdoor Team Games**

Credit hours: 1.5

Contact hours per week: 0-3-0

Opportunities to experience many different outdoor sports and games through understanding of rules, history of the activity, fundamental skill development, game strategy, and personal enjoyment.

PHYSICAL ACTIVITY 3225**Hip Hop, Latin and Swing Dance**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of dance skills, exploration of movement fundamentals, and the creation of dance choreographies in Latin, Swing, and Hip Hop styles.

PHYSICAL ACTIVITY 3425**Judo II**

Credit hours: 1.5

Contact hours per week: 0-3-0

Development of advanced skills and techniques, coaching strategies and training theory.

Prerequisite(s): Physical Activity 2425

PHYSICAL ACTIVITY 3445**Resistance Training for Health and Performance II**

Credit hours: 1.5

Contact hours per week: 0-3-0

Theory and practice of strength development through progressive resistance exercise.

Prerequisite(s): Physical Activity 2445

PHYSICAL ACTIVITY 3465**Tai Ji and Wellbeing**

Credit hours: 1.5

Contact hours per week: 0-3-0

Practice slow, gentle movements in set forms, involve the whole body enhancing a relaxed mental attitude and promoting good health. The rhythmic flowing style improves coordination, balance, memory and focused concentration.

PHYSICAL ACTIVITY 3505**Basketball II***Credit hours: 1.5**Contact hours per week: 0-3-0*

Development of advanced playing and officiating skills, competitive systems, techniques of game analysis, coaching strategies and training theory.

*Prerequisite(s): Physical Activity 2505***PHYSICAL ACTIVITY 3525****Ice Hockey II***Credit hours: 1.5**Contact hours per week: 0-3-0*

Development of advanced playing and officiating skills, competitive systems, techniques of game analysis, coaching strategies and training theory.

*Prerequisite(s): Physical Activity 2525***PHYSICAL ACTIVITY 3535****Soccer II***Credit hours: 1.5**Contact hours per week: 0-3-0*

Development of advanced playing and officiating skills, competitive systems, techniques of game analysis, coaching strategies and training theory.

*Prerequisite(s): Physical Activity 2535***PHYSICAL ACTIVITY 3545****Volleyball II***Credit hours: 1.5**Contact hours per week: 0-3-0*

Development of advanced playing and officiating skills, competitive systems, techniques of game analysis, coaching strategies and training theory.

*Prerequisite(s): Physical Activity 2545***PHYSICAL ACTIVITY 3605****Conditioning for Cardiovascular Health***Credit hours: 1.5**Contact hours per week: 0-3-0*

This course is designed to provide students with specific knowledge about cardiovascular-based lifetime activities.

Personal assessment of cardiovascular (CV) fitness levels and the development of sound CV training programs will be investigated.

The lifetime activities will include a variety of indoor and outdoor activities selected from aquacising, power walking, swimming, rowing, cycling and in-line skating. Activities will vary from offering to offering depending on the season and equipment availability. Students will be required to supply their own equipment.

PHYSICAL ACTIVITY 3685**Badminton II***Credit hours: 1.5**Contact hours per week: 0-3-0*

Development of advanced shot routines, skills, competitive systems, technique analysis, coaching, playing, and training strategies.

*Prerequisite(s): Physical Activity 2685**Equivalent: Physical Activity 3805 (Badminton II) (prior to 2007/2008)***PHYSICAL ACTIVITY 1805/2805/3805/4805****Special Activities***Credit hours: 1.5**Contact hours per week: 0-3-0*

Physical activities selected by faculty and students.

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.

PHYSICS**(PHYS)****Faculty of Arts and Science****PHYSICS 1000****Introduction to Physics I***Credit hours: 3.0**Contact hours per week: 3-3-0**Other hours: 0-0-6*

Calculus-based introduction to mechanics and modern physics. Concepts and problem-solving skills are emphasized.

Material studied: kinematics and mechanics, and a brief introduction to nuclear physics and particle physics.

*Prerequisite(s): Physics 30 AND**One of Mathematics 30-I, 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-I, Pure Mathematics 30, or Mathematics 0500**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 [Physics 2130 and 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 - Physics 3650**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, photons, and matter waves.

Prerequisite(s): Mathematics 1560 AND One of Physics 1000 (preferred), Physics 1050, or [Physics 2130 and Engineering 2000]

Corequisite(s): Mathematics 2560

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 2800**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 2900**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 2925**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 3150**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 3175**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 3200**Mechanics***Credit hours: 3.0**Contact hours per week: 3-0-0*

Intermediate-level classical mechanics. Material studied: Newton's laws of motion and their applications, conservation laws, collisions, oscillators, rigid body dynamics, central forces, relativistic dynamics, introduction to Lagrangian and Hamiltonian methods.

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*

Classical electromagnetic waves. Physical optics. Quantum optics. Experimental work includes: constructing optical systems, use of lasers in optical measurements, holography.

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 or
equivalent*

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 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 radioactivity to elementary particles such as quarks, gluons, and neutrinos, and their Feynman diagrams.

*Prerequisite(s): Physics 3150 AND
Physics 3200*

PHYSICS 4150**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 4175**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 - Political Science 3130**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.

POLITICAL SCIENCE (POLI)
 Faculty of Arts and Science

POLITICAL 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.

POLITICAL 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

POLITICAL 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 2511**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., Walzer, 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 1000 AND Political Science 2110

**POLITICAL SCIENCE 3170/
MANAGEMENT 3670****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***POLITICAL SCIENCE 3210
Local Government and Politics***Credit hours: 3.0**Contact hours per week: 3-0-0*

Municipal policy-making and administrative decision-making, financial functions, legal powers, land use management, public participation, and relations between municipalities and higher levels of government.

*Prerequisite(s): Political Science 2210**Equivalent: Political Science 3850 (Urban Politics) (prior to 2009/2010)***POLITICAL SCIENCE 3221****The Politics of Canadian Federalism***Credit hours: 3.0**Contact hours per week: 3-0-0*

Historical and current roles of federalism and regionalism in evolution of Canadian politics and policy; major issues including regional representation in federal institutions, federal-provincial and inter-provincial relations, influence of transnational and aboriginal politics, and impact of federalism on Canadian economic and social policies.

*Prerequisite(s): Political Science 2210***POLITICAL SCIENCE 3230
Provincial Government and Politics***Credit hours: 3.0**Contact hours per week: 3-0-0*

Comparative study of Canadian provincial political systems with emphasis on political culture and party politics. Some discussion of the territories.

*Prerequisite(s): Political Science 2210***POLITICAL SCIENCE 3241****Canadian Constitutional Law I: The Structures and Powers***Credit hours: 3.0**Contact hours per week: 3-0-0*

Basic principles of Canadian constitutional law. The concept and practice of judicial review. Constitutional provisions for legislative, executive and judicial institutions. Judicial independence. 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 entrenchment 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; the role of judicial disagreement; 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 3320 - Political Science 3525**POLITICAL SCIENCE 3320****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 3322****Eastern European Political Systems***Credit hours: 3.0**Contact hours per week: 3-0-0*

A comparative examination of the communist legacy and the post-communist 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 3340****The Government and Politics of the United States***Credit hours: 3.0**Contact hours per week: 3-0-0*

Emphasis on American governmental institutions, political parties and behaviour and civil rights.

*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 3390****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/****MANAGEMENT 3050****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 management.

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

History and evolution of political science as an academic discipline. Overview of the main subfields. The scientific method and its application to research. Quantitative versus qualitative approaches. Viability of experimentation and formal models. Key journals in the discipline.

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 - Psychology 3240**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 2320****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 2330****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 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): Psychology 1000**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 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 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 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***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**Equivalent: Psychology 3000 (Introduction to Organizational Psychology) (prior to 2009/2010)***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**Recommended Background: Linguistics 2300**Equivalent: Psychology 3850 (Psycholinguistics) (prior to 2011/2012)*

PSYCHOLOGY 3325**Cognition and Perception (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

Offerings will focus on processes involved in thinking and perceiving. Specific offerings may include examination of the processes involved in memory, language, consciousness and vision.

Prerequisite(s): Psychology 2320 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 3330**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

Recommended Background: One of Psychology 2800 or Psychology 2820

PSYCHOLOGY 3360**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/HEALTH SCIENCES 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 2000-level courses (6.0 credit hours) in Psychology, Neuroscience, or Health Sciences
OR
Third-year standing (a minimum of 60.0 credit hours)*

Corequisite(s): Nursing 3360 (for B.N. students only)

Recommended Background: One of Psychology 2030 or Health Sciences 3260

Equivalent: Health Sciences 3259 (prior to 2007/2008)

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 - Psychology 4400

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*

Equivalent: Psychology 3000 (Psychology of Crime) (prior to 2007/2008)

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 two 3000-level courses (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 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 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

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.

PUBLIC HEALTH**(PUBH)****Faculty of Health Sciences****PUBLIC HEALTH 1000****Introduction to Public Health**

Credit hours: 3.0

Contact hours per week: 3-0-0

This course will provide an introduction to individual and population health by exploring health as an evolving and multidimensional concept shaped through historical, cultural, psychosocial, economic and environmental contexts. The values, goals, interdisciplinary roles and settings for public health practice will be explored. Models for community health, health promotion, and population health will be introduced.

Note: *This course will be of interest to students in Psychology, Sociology, Native American Studies, Health Care Management, Nursing, and Addictions Counselling.*

Students are advised to ensure that this course will count in their program.

PUBLIC HEALTH 2000**Population Health**

Credit hours: 3.0

Contact hours per week: 3-0-0

Population health is examined through the determinants of health. Historical and theoretical perspectives will be explored with a focus on chronic disease prevention, injury prevention, health promotion, and healthy aging.

Prerequisite(s): Public Health 1000 or Health Sciences 2700/Sociology 2700

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, or one course (3.0 credit hours) in Public Health

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 3000

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 concepts. 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): Completion of all course work in the first three years of the B.H.Sc. Public Health program.

Substantially Similar: Public Health 3050 (prior to 2010/2011); Public Health 4050 (prior to 2010/2011)

Grading: Pass/Fail

Public Health 4995 - Religious Studies 2600**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 (RELS)*Faculty of Arts and Science***RELIGIOUS STUDIES 1000****Introduction to World Religions***Credit hours: 3.0**Contact hours per week: 3-0-0*

Structure, belief and practices of Eastern and Western religious traditions.

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 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 2500**Christianity***Credit hours: 3.0**Contact hours per week: 3-0-0*

A survey of the development of Christianity from its beginning to the present, with attention to its beliefs and practices, and its role in Western society.

Prerequisite(s): One of Religious Studies 1000 or 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 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 3300
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): Religious Studies 2300

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 milieus, 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 Quranic 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

RELIGIOUS STUDIES 4000
Seminars in Religious Studies (Series)

Credit hours: 3.0

Contact hours per week: 3-0-0

Seminars in selected areas of Religious Studies.

Prerequisite(s): Will be specified (including any recommended background) for individual offerings

RELIGIOUS STUDIES 4001
Concepts and Methods in the Study of Religion

Credit hours: 3.0

Contact hours per week: 3-0-0

Examination and critique of the basic concepts and methodological approaches in the academic study of religion.

Prerequisite(s): One course (3.0 credit hours) in Eastern religion AND One course (3.0 credit hours) in Western religion

RELIGIOUS STUDIES 4110
Seminars in Eastern Religions
(Series)

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

RELIGIOUS STUDIES 4400
Seminars in Western Religions
(Series)

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 - Social Sciences 5203

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**(RM TS)**

Faculty of Arts and Science

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**(SSCI)**

Faculty of Arts and Science

Note: *These courses are intended for graduate students in the M.A. program.*

SOCIAL SCIENCES 5101**Research Design**

Credit hours: 1.5

Contact hours per week: 3-0-0

Advanced investigation of epistemological, ontological, and ethical concerns relating to research design.

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 reevaluations 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 5305 Postmodernism/Poststructuralism

Credit hours: 1.5

Contact hours per week: 3-0-0

Advanced exploration of key debates concerning representation, power, identity, and late capitalism. This course may outline postmodernism and poststructuralism as distinct but overlapping philosophical and artistic traditions that inform the politics of signification, discourse, ideology, and recent economic transformations.

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 5307 Postcolonialism

Credit hours: 1.5

Contact hours per week: 3-0-0

Advanced exploration of historical conditions of (post) colonialism and colonial dimensions of multiculturalism. This course may examine the complexities and contradictions within black liberation discourse, diasporic studies, critical multiculturalism, anti-colonial struggle, and recent discussions of hybridity.

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 5701 Professional Seminar I

Credit hours: 1.5

Contact hours per week: 3-0-0

Various topics relating to the practical aspects of academic life. Topics may include graduate life overview, using EndNote, self-efficacy, grant writing, conference protocol, and thesis planning.

Prerequisite(s): Admission to a graduate program

Grading: Pass/Fail

Note: *This is a half-semester course scheduled bi-weekly over a twelve-week period.*

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 scheduled bi-weekly over a twelve-week period.*

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 - Sociology 3050**SOCIOLOGY (SOCI)**

Faculty of Arts and Science

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 2020**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 1000 or a previous course (3.0 credit hours) in Sociology

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 2130**Social Statistics I**

Credit hours: 3.0

Contact hours per week: 3-2-0

The nature of social data, probability, sampling, co-variation, basic descriptive and inferential techniques, computer analysis.

Prerequisite(s): Sociology 1000

Recommended Background: One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, or Mathematics 0500

Substantially Similar: Psychology 2030

SOCIOLOGY 2200**Classical Sociological Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

Sociological theory of the 19th and early 20th Century with special reference to Marx, Weber and Durkheim.

Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2210**Contemporary Sociological Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

Sociological theory from the early 20th Century to the present.

Prerequisite(s): Sociology 2200

SOCIOLOGY 2410**Sociology of Gender**

Credit hours: 3.0

Contact hours per week: 3-0-0

Social construction of gender. Comparative and historical perspectives on family and occupational roles. Position of women in contemporary Canadian society.

Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2440**Sociology of Work**

Credit hours: 3.0

Contact hours per week: 3-0-0

Examines trends, structures, and social relations related to work and labour. Topics may include industrialization, restructuring, globalization, unemployment, technological change, occupations, and worker-management relations.

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 individuals and groups become labelled as deviant, and the consequences of such social definitions; social factors that influence conformity and individual variation.

Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 2600**The Individual and Society**

Credit hours: 3.0

Contact hours per week: 3-0-0

Symbolic interaction and role theories are used to understand the interrelationships between the individual and society; the central importance of symbols in the development of human forms of social relations.

Prerequisite(s): One of Sociology 1000 or a previous course (3.0 credit hours) in Sociology

SOCIOLOGY 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

SOCIOLOGY 3050**Sociology of Race and Ethnicity**

Credit hours: 3.0

Contact hours per week: 3-0-0

Majority-minority relationships relative to prejudice, discrimination, assimilation, power and prestige; social structural patterns within minority groups.

Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology

Recommended Background: Sociology 2010 AND Sociology 2020

SOCIOLOGY 3110**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

SOCIOLOGY 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, Health Sciences 3260, or Nursing 3360

SOCIOLOGY 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)

SOCIOLOGY 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

SOCIOLOGY 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

SOCIOLOGY 3340**Medical Sociology**

Credit hours: 3.0

Contact hours per week: 3-0-0

Socio-cultural factors related to health and illness; models of prevention, treatment and rehabilitation in such areas as mental illness and suicide.

Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology

Recommended Background: Sociology 2010 AND Sociology 2020

SOCIOLOGY 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 2200, or one 2000-level course (3.0 credit hours) in Political Science

SOCIOLOGY 3390**Sociology of Mass Communication**

Credit hours: 3.0

Contact hours per week: 3-0-0

The social impact of mass communications (newspapers, radio, film, television, etc.) as well as the social forces and institutions that affect the mass communications media; social organizations of the mass communications media.

Prerequisite(s): One 2000-level course (3.0 credit hours) in Sociology

SOCIOLOGY 3450**Women and Work**

Credit hours: 3.0

Contact hours per week: 3-0-0

The gendered organization of paid and unpaid work and its consequences for women; the evolution of gender segregation and stratification in the workplace; and the impact of factors such as government policy, technological change, and globalization on women's work.

Prerequisite(s): One of Sociology 2410, Sociology 2440, or Women and Gender Studies 1000

SOCIOLOGY 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 2210 or Sociology 2410

SOCIOLOGY 3510**Crime and Delinquency**

Credit hours: 3.0

Contact hours per week: 3-0-0

Criminal behaviour, its incidence and distribution in Canada, law enforcement and judicial processes.

Prerequisite(s): Sociology 2500

SOCIOLOGY 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)]

Sociology 3770 - Spanish 2200**SOCIOLOGY 3770****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): One 2000-level course (3.0 credit hours) in Sociology

SOCIOLOGY 4200**Seminar in Classical Sociological Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

Examination and critique of selected works in classical sociological theory.

Prerequisite(s): Sociology 2200

SOCIOLOGY 4210**Seminar in Contemporary Sociological Theory**

Credit hours: 3.0

Contact hours per week: 3-0-0

Examination and critique of selected works in contemporary sociological theory.

Prerequisite(s): Sociology 2210

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 minimum of 90.0 credit hours)

AND

A cumulative GPA of 3.30 or higher

AND

A minimum GPA of 3.50 in the last 20 courses (60.0 credit hours)

AND

Sociology 2100

AND

Sociology 2130

AND

Sociology 2200

AND

One of Sociology 3110 or

Sociology 3120

AND

Three additional courses (9.0

credit hours) in Sociology

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.

SPANISH**(SPAN)****Faculty of Arts and Science**

Note: *Spanish courses are offered by the Department of Modern Languages.*

SPANISH 1000**Beginners' Spanish I**

Credit hours: 3.0

Contact hours per week: 3-1-0

Fundamentals of spoken and written Spanish. Use of the language laboratory.

Note: *For students with little or no knowledge of Spanish. Mandatory placement test for all registrants.*

May not be taken for credit by students with Spanish 30.

SPANISH 1100**Beginners' Spanish II**

Credit hours: 3.0

Contact hours per week: 3-1-0

Continuation of Spanish 1000.

Prerequisite(s): One of Spanish 1000 or [Spanish 10, 20, or equivalent]

AND

A satisfactory grade in the mandatory placement test

Note: *May not be taken for credit by students with Spanish 30.*

SPANISH 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 [Spanish 30 or 31] or [Spanish 1100 or equivalent]

AND

A satisfactory grade in the mandatory placement test

SPANISH 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): Spanish 1500

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-minus' ('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 3100**Survey of Spanish Peninsular Literature**

Credit hours: 3.0

Contact hours per week: 3-0-0

General overview of period, trends, and genres in Spanish peninsular 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 3200**Survey of Spanish-American Literature**

Credit hours: 3.0

Contact hours per week: 3-0-0

General overview of period, trends, and genres in Spanish-American literature through representative works, beginning with the Conquest. 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**Literature and Culture Until the End of the Golden Age (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

Study of a particular aspect, genre, period, or author(s) of Spanish Peninsular literature from the twelfth to the seventeenth centuries. Content varies depending on student interest and faculty availability. Improvement of skills in literary analysis, as well as reading and writing skills in the Spanish language.

Prerequisite(s): One of Spanish 3100 or Spanish 3200

Equivalent: Spanish 3850 (Golden 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 3502**20th-Century Spanish-American Literature and Culture (Series)**

Credit hours: 3.0

Contact hours per week: 3-0-0

Study of a particular aspect, genre, period, or author(s) of Spanish-American literature, film, or fine art, with an emphasis on the latter half of the twentieth century. Content varies depending on student interest and faculty availability. Improvement of skills in literary and film analysis, as well as reading and writing skills in the Spanish language.

Prerequisite(s): One of Spanish 3100 or Spanish 3200

Equivalent: Spanish 3850 (Hispanic Literature and Film) (prior to 2011/2012) is equivalent to the same offering in the Spanish 3502 Series;
Spanish 3850 (Magic Realism) (prior to 2011/2012) is equivalent to the same offering in the Spanish 3502 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 - Visiting 9999**STATISTICS (STAT)***Faculty of Arts and Science*

Note: *Statistics courses are offered by the Department of Mathematics and Computer Science.*

STATISTICS 1770**Introduction to Probability and Statistics***Credit hours: 3.0**Contact hours per week: 3-0-1*

Descriptive statistics and graphical representation. Measure of central tendency and dispersion. Elementary probability. Discrete and continuous random variables. Expectation. Binomial, normal and Student's t-distribution. Large and small sample inference and estimation. Central Limit Theorem.

Prerequisite(s): One of Mathematics 30-1, Mathematics 30-2, Pure Mathematics 30, or Mathematics 0500

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*

Hypothesis testing. Comparison of variances. Chi-square distribution. Contingency tables. Elementary design of experiments. Random sampling. Analysis of variance. Regression and correlation. Examples to illustrate the theory are drawn from a wide variety of fields.

Prerequisite(s): Statistics 1770

Substantially Similar: Economics 2900

STATISTICS 3500**Mathematical Probability***Credit hours: 3.0**Contact hours per week: 3-0-0*

Sample spaces and the algebra of sets. Kolmogorov axioms for probability. Probability density/distribution functions (pdfs) and cumulative distribution functions (cdfs). Joint and marginal pdfs. Combining and transforming random variables. Moment generating functions (mgfs) and factorial generating functions. Applications to discrete and continuous random variables. Central limit theorem. Order statistics.

Prerequisite(s): Mathematics 2560 AND Statistics 1770

Recommended Background: Statistics 2780

STATISTICS 3510**Mathematical Statistics***Credit hours: 3.0**Contact hours per week: 3-0-0*

Estimating parameters and the fitting of probability distributions. Maximum likelihood estimators and the method of moments. Properties of estimators, including unbiasedness, sufficiency, and consistency. Large sample theory for estimators. Concepts and theory of statistical hypothesis testing. Distributions derived from the Normal distribution. Comparing two samples through hypothesis tests and confidence intervals. Analysis of variance and linear regression.

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*

Basic principles of experimental design. Completely randomized designs. Complete and incomplete block designs. Regression. Analysis of variance and analysis with covariates. Contrasts and multiple comparisons. Factorial models. Random effects and fixed effects. Nested designs, split plot designs and related designs.

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.

VISITING STUDENT (VIST)

Note: *These courses are administered by the Registrar's Office and Student Services (ROSS).*

VISITING 9999**Visiting Student Placeholder**

This is a placeholder registration for students studying elsewhere under Visiting Student Authorization.

Grading: 'X' grade—see Part I - Admission, Section 7.a.4., p. 41

Note: *No fees are assessed for this registration.*

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): A previous course in Women and Gender Studies AND Third-year standing (a minimum of 60.0 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

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): A previous course in Women and Gender Studies AND Third-year standing (a minimum of 60.0 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

WOMEN AND GENDER STUDIES 3030

Women and the Arts (Series)

Credit hours: 3.0

Contact hours per week: 3-0-0

This series examines women's contributions to, and historical exclusion from, the arts. Individual offerings will focus on or include areas such as women and film; women and creative arts, critics, and patrons of the arts; the arts in cultural and separatist feminisms; race, disability, and ethnicity in the arts; avant garde and cultural production activism by women in the arts; and women's relationships to new technologies (cyberfeminism) and multimedia.

Prerequisite(s): A previous course in Women and Gender Studies AND Third-year standing (a minimum of 60.0 credit hours)

Equivalent: Any offering in the Women's Studies 3030 Series (prior to 2012/2013) with the same title as the offering in the Women and Gender Studies 3030 Series

Women and Gender Studies 3040 - Women and Gender Studies 3350**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): A previous course in *Women and Gender Studies AND Third-year standing (a minimum of 60.0 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*

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): A previous course in *Women and Gender Studies or Religious Studies AND Third-year standing (a minimum of 60.0 credit hours)*

Equivalent: *Women's Studies 2010 (prior to 2007/2008);* 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*

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): A previous course in *Women and Gender Studies AND Third-year standing (a minimum of 60.0 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*

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): A previous course in *Women and Gender Studies AND Third-year standing (a minimum of 60.0 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*

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 Health Sciences 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): Women and Gender Studies 2300 AND Women and Gender Studies 2700

OR

Third-year standing (a minimum of 60.0 credit hours) AND One of Anthropology 4002 or Philosophy 2235

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

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 3700 or [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.*

See Part 7 - Arts and Science, Section 10.

WRITING**(WRIT)***Faculty of Arts and Science***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., B.A.Sc., 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

Part 15

AWARDS AND SCHOLARSHIPS

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I. 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

I. Application and Application Deadlines

To be eligible for awards and scholarships, application forms must be completed and received in the Scholarships and Student Finance Office 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 (Fall Entrance)

November 15 (Spring Entrance)

Transfer Awards

June 15 (Fall Entrance)

November 15 (Spring Entrance)

Undergraduate Awards

May 1

When the deadline falls on a holiday or weekend, applications will be accepted until closing the next business day.

Successful applicants will be notified by letter in August for Fall Entrance, and December for Spring Entrance.

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:

- 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.
- 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.
- 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. Disbursement 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 totalling more than \$1,000 are disbursed 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 disbursements, the student must be registered in both the Fall and Spring semesters. However, students who graduate in December will receive the second disbursement upon written request to the Coordinator, 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 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:

- 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. Academic 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 I - 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 5 percent 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 I - Admission**. Unless otherwise stated, the criterion for transfer awards is demonstrated academic achievement measured by the award transferable Grade Point Average as defined in **Section I.e. Definition of Terms (p. 457)**. 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 3.5 for scholarships and 3.0 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 I - Admission**. Unless otherwise stated, the criterion for post-diploma awards is demonstrated academic achievement measured by the diploma cumulative program Grade Point Average. The minimum cumulative program GPA required is 3.5 for scholarships and 3.0 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 Grade Point Average as defined in **Section I.e. 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 3.5 for scholarships and 3.0 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 Grade Point Average as defined in **Section I.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 Grade Point Average. Unless otherwise stated the minimum award GPA required is 3.5 for scholarships and 3.0 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 2.0. 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 Grade Point Average 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 544**.)
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, **June 15** for Transfer awards payable in the Fall semester and **November 15** for High School and Transfer awards payable in the Spring 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 and Student Services (ROSS) by the application deadline, and ensure that the Registrar's Office and Student Services (ROSS) receives all admission documents by the document deadline (please see **Part I - 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 I - Application for Awards (p. 455)**.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Grade 11 Merit Award (UofL)	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	<ul style="list-style-type: none"> Must be attending Grade 11 at the time of application 	<ul style="list-style-type: none"> Academic achievement in Grade 11 	<ul style="list-style-type: none"> June 30 of the year the applicant is in Grade 11
Board of Governors' Admission Scholarship (UofL)	Value: \$1,000 for actual admission average of 80 percent and higher; \$500 for actual admission average of 75 to 79.9 percent Number: As many as qualify	<ul style="list-style-type: none"> High school applicants commencing a program of study in the Fall semester Highest achieving applicants 	<ul style="list-style-type: none"> Academic achievement determined by the student's admission average 	<ul style="list-style-type: none"> No separate scholarship application required Must submit complete <i>Application for Admission</i> to the UofL by December 15
Board of Governors' Relocation Scholarship (UofL)	Value: \$500 or \$1,000 for actual admission average of 75 percent and higher Number: As many as qualify	<ul style="list-style-type: none"> High school applicants commencing a program of study in the Fall semester Students whose high school is beyond a 100 km radius of Lethbridge 	<ul style="list-style-type: none"> Academic achievement determined by the student's admission average 	<ul style="list-style-type: none"> No separate scholarship application required Must submit complete <i>Application for Admission</i> to the UofL by December 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
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a. 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.

Chinook Scholarship (UofL)	Value: \$5,000 each Number: Six	<ul style="list-style-type: none"> • New high school applicants 	<ul style="list-style-type: none"> • Superior academic achievement • Leadership qualities 	<ul style="list-style-type: none"> • March 15 • Two letters of reference and an essay are required
CMA Leadership Scholarship (Certified Management Accountants of Alberta) <ul style="list-style-type: none"> • <i>Established through the generosity of the Certified Management Accountants of Alberta to support the academic endeavors of students wishing to pursue a career in Management Accounting</i> 	Value: \$2,500 to \$5,000 each year for two consecutive years Number: Three to six	<ul style="list-style-type: none"> • New high school applicants admitted to a B.Mgt., General Management, Finance or Accounting major • Intend to pursue a career in management accounting 	<ul style="list-style-type: none"> • 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 UofL in each of the previous Fall and Spring semesters 	<ul style="list-style-type: none"> • March 15 • Explanation of why managerial accounting is of interest must be submitted with application
University of Lethbridge Achievement Scholarship (UofL)	Value: \$1,500 Number: Variable	<ul style="list-style-type: none"> • New high school applicants 	<ul style="list-style-type: none"> • Superior academic achievement • Participation in extracurricular activities 	<ul style="list-style-type: none"> • March 15 • A letter of reference is required
Management Student Leaders Scholarship (Faculty of Management)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> • New high school applicants, admitted to B.Mgt, who served on their high-school student councils (or equivalent) 	<ul style="list-style-type: none"> • Exceptional leadership skills demonstrated through high-school student council involvement • Academic achievement 	<ul style="list-style-type: none"> • By invitation from the Faculty of Management • A letter of reference outlining involvement on student council is required

b. 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** for Fall entrance and **November 15** for Spring entrance. Unless otherwise stated, students must enter the University of Lethbridge without previous participation at another post-secondary institution.

Entrance and Continuing Scholarship (UofL)	Value: \$6,000 (\$1,500 each year for four consecutive years) Number: Up to three	<ul style="list-style-type: none"> • New high school applicants 	<ul style="list-style-type: none"> • 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 UofL during the previous Fall/Spring semesters 	<ul style="list-style-type: none"> • March 15
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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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Management Academic Achievement Scholarship (Faculty of Management) <ul style="list-style-type: none"> Established by the Faculty of Management to encourage gifted students to consider a career in Management 	Value: \$6,000 (\$3,000 each year for two consecutive years) Number: 8	<ul style="list-style-type: none"> New high school applicants admitted to a B.Mgt. program 	<ul style="list-style-type: none"> Admission average of 90% or higher For renewal of the award in the second year, the recipient must have a minimum 3.50 GPA and have completed a minimum of 24.0 credit hours at the UofL during the previous Fall/Spring semesters and continue in a B.Mgt. program 	<ul style="list-style-type: none"> No separate scholarship application required Must submit an Application for Admission to the UofL by June 1
Patrick Forrest Family Foundation Scholarship (Patrick Forrest) <ul style="list-style-type: none"> Established by Patrick Forrest, a graduate of the UofL and a committed advocate and volunteer for the University 	Value: \$4,000	<ul style="list-style-type: none"> New high school applicants from Calgary and area commencing any undergraduate program at the UofL main campus (relocating to Lethbridge). Area includes; north to Airdrie, west to Cochrane, south to High River, and east to Strathmore 	<ul style="list-style-type: none"> Academic achievement Highest achieving applicant 	<ul style="list-style-type: none"> No separate scholarship application required Must submit complete Application for Admission to the UofL by December 15
RMH Award (Family of Richard Martin Howell) <ul style="list-style-type: none"> In memory of Richard Martin Howell, and to acknowledge that many of his descendants have chosen management programs for their post-secondary education 	Value: \$2,500	<ul style="list-style-type: none"> New high school applicants who intend to graduate with a B.Mgt. degree 	<ul style="list-style-type: none"> Academic achievement (minimum admission average of 70 percent) Financial need 	<ul style="list-style-type: none"> March 15
Frank M. and Lila Linn Thompson Scholarship (Estate of Frank M. Thompson)	Value: \$2,500	<ul style="list-style-type: none"> Students from high schools within the City of Lethbridge Must enter University in the same calendar year 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Mary Agnes Crow Scholarship (Endowed by the late Mrs. Mary Agnes Crow)	Value: \$1,100 Number: Two	<ul style="list-style-type: none"> A graduate from a high school in the Palliser Regional School Division 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Alberta Blue Cross 50th Anniversary Entrance Award (Alberta Blue Cross Benefits Corporation Foundation)	Value: \$1,250	<ul style="list-style-type: none"> Alberta residents 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Alberta Blue Cross 50th Anniversary Relocation Award (Alberta Blue Cross Benefits Corporation Foundation)	Value: \$1,250	<ul style="list-style-type: none"> Alberta residents Must have a permanent residence of a distance of at least 100 km away from the City of Lethbridge 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Alberta Blue Cross 50th Anniversary Computer Science Award (Alberta Blue Cross Benefits Corporation Foundation)	Value: \$1,250	<ul style="list-style-type: none"> Alberta residents Must be enrolled in the Bachelor of Science program with a major in Computer Science 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Andrea Block Memorial Scholarship (Estate of Dorothy Lundstad) • <i>Established through a bequest from Dorothy Lundstad in memory of her mother Andrea Block</i>	Value: \$1,000	<ul style="list-style-type: none"> Entering high school applicants who attended high schools situated in the Eastern Irrigation District (Brooks, Bassano, Duchess & Rosemary) 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Alberta High School of Fine Arts Award (UofL Faculty of Fine Arts)	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> Students from the Alberta High School of Fine Arts (Okotoks, AB) Enrolled in either the B.F.A. (Art) or the B.F.A. (Art)/B.Ed. program 	<ul style="list-style-type: none"> Demonstrated artistic excellence A predicted or actual average of 80 percent in Art 30 	<ul style="list-style-type: none"> Nominated by the Alberta High School of Fine Arts Nominated candidates must submit an <i>Application for Admission</i> by June 1
Early Entrance Scholarship (UofL)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15
Fine Arts Early Entrance Award (UofL Faculty of Fine Arts)	Value: \$500 or \$1,000 Number: Up to five in each discipline (Art, Dramatic Arts, Music, and New Media)	<ul style="list-style-type: none"> Applicants entering a B.F.A., B.Mus., B.F.A./B.Ed., or B.Mus./B.Ed. program 	<ul style="list-style-type: none"> Demonstrated artistic excellence Must have a predicted or actual average of 80 percent in either Art 30, Drama 30, Choral Music, Instrumental Music, or General Music 30 	<ul style="list-style-type: none"> March 15
French Language Entrance Award (DELF-DALF French Language Proficiency Centre) (Department of Modern Languages) • <i>Established through the DELF-DALF Centre in the Department of Modern Languages thanks to a grant from COLEP (Canada-Alberta Official Languages Education Protocol)</i>	Value: \$1,000 Number: Two (one for FLA 30 or Français 30 and one for French 30)	<ul style="list-style-type: none"> Entering Alberta high school students having a declared major in French or French/Spanish or French/German 	<ul style="list-style-type: none"> Academic achievement, particularly in French Candidates will be ranked by French grade and ties will be determined by admission average 	<ul style="list-style-type: none"> Not required
iGEM Entrance Prize (UofL) • <i>Established to encourage iGEM team participants to pursue their interest in science and research at the UofL</i>	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> High school applicants who participated on the UofL High School iGEM team 	<ul style="list-style-type: none"> Minimum actual admission average to an undergraduate degree program 	<ul style="list-style-type: none"> Not required UofL must be the first post-secondary school the recipient attends
International Students Entrance Scholarship (UofL)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> Visa students 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Oliver Collumbell Kelly Memorial Scholarship (Endowed by the late Mrs. Gladis Victoria Kelly)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> Residents from the Town of Claresholm, Alberta or the Claresholm district, who graduated with Honours from Willow Creek Composite High School 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15
Lethbridge Chamber of Commerce University of Lethbridge Scholarship (Lethbridge Chamber of Commerce) <ul style="list-style-type: none"> Established to encourage Albertans residing south of Calgary to complete the B.Mgt. program as their next step in their educational path 	Value: \$1,000 Recipient is invited to the "Business of the Year Awards" in October	<ul style="list-style-type: none"> Students entering a B.Mgt. program Alberta resident from south of Calgary 	<ul style="list-style-type: none"> Academic achievement Community involvement 	<ul style="list-style-type: none"> March 15
Victor Shippobotham Memorial Scholarship (Endowed by Irene Shippobotham in memory of her late husband)	Value: \$1,000	<ul style="list-style-type: none"> Dependent children of a Firefighter employed with the City of Lethbridge Fire Department 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
University of Lethbridge Entrance Scholarship (UofL)	Value: Up to \$1,000 Number: 50	<ul style="list-style-type: none"> New high school applicants admitted to any undergraduate degree program 	<ul style="list-style-type: none"> Academic achievement (actual average of 80 percent or higher) 	<ul style="list-style-type: none"> Must submit an <i>Application for Admission</i> to the UofL by June 1 Cannot be receiving any other UofL Entrance Award
Lethbridge Jaycees Entrance Award (Lethbridge Jaycees)	Value: \$750	<ul style="list-style-type: none"> Students from high schools within the City of Lethbridge Must enter University in the same calendar year 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Robert H. Parsons Scholarship (Endowed by Mr. R.H. Parsons)	Value: \$750	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Academic achievement Potential for group leadership 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Ellison Enterprises Ltd. Scholarship (Ellison Enterprises Limited)	Value: \$650	<ul style="list-style-type: none"> Graduates from Raymond High School 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Bigelow Fowler Clinic Scholarship (Bigelow Fowler Clinic)	Value: \$500	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Academic achievement Intent to pursue a medical career 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Black Velvet Distilling Company Scholarship (Black Velvet Distilling Company)	Value: \$500 Number: Two	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Robert M. Cook Scholarship in Fine Arts (UofL) • <i>Robert M. Cook was the first Director of the School of Fine Arts, serving from 1984 to 1989</i>	Value: \$500 to \$1,000	<ul style="list-style-type: none"> Must be enrolled in a program leading to a B.F.A. (Art, Dramatic Arts, or New Media) or B.Mus. 	<ul style="list-style-type: none"> Academic achievement Demonstrated interest in Fine Arts 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance) Music students must arrange an audition with the Faculty of Fine Arts
Christopher Neuman Award (Family and friends of Christopher Neuman) • <i>Donated in memory of Christopher Neuman, LCI graduate of 1991</i>	Value: \$500 Number: Two	<ul style="list-style-type: none"> Recent graduates of the Lethbridge Collegiate Institute 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Archdeacon Cecil Swanson Award (The Parish of St. Augustine)	Value: \$500	<ul style="list-style-type: none"> Preference to students majoring in English or History 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
The University of Lethbridge Jason Lang Memorial Award (Dr. Sydney W. Jackman) • <i>Jason Lang was a student at W.R. Myers High School in Taber, Alberta until the time of his sudden passing in April 1999</i>	Value: \$500	<ul style="list-style-type: none"> Available to graduates of a high school in Taber Preference to graduates of W.R. Myers High School 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Canada Winter Games Scholarship (1975 Canada Winter Games Society)	Value: \$300	<ul style="list-style-type: none"> Residents of southern Alberta 	<ul style="list-style-type: none"> High achievement in athletics at the high school level Contribution to the community Academic achievement 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
Neil D. Holmes Award (Family, friends and colleagues of Dr. Holmes, first Chair of the UofL Board of Governors)	Value: \$300	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Academic proficiency Potential for biological research Financial need 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance)
IODE Award in Music (Municipal Chapter of Lethbridge, I.O.D.E.)	Value: \$250 Number: Two	<ul style="list-style-type: none"> New high school applicants 	<ul style="list-style-type: none"> Demonstrated outstanding promise as a performing musician based upon an initial studio course audition 	<ul style="list-style-type: none"> March 15 (Fall entrance) November 15 (Spring entrance) Must arrange an audition with the Faculty of Fine Arts

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
1996 Alberta Winter Games Scholarship - Fine Arts (1996 Alberta Winter Games Society) • <i>This scholarship was made possible through the generous contributions from the Board of Directors of the 1996 Alberta Winter Games</i>	Value: \$250	• Graduates from a City of Lethbridge high school	• Academic achievement • Demonstrated artistic excellence in the Fine Arts (Art, Drama, and/or Music)	• March 15 (Fall entrance) • November 15 (Spring entrance) • Music students must arrange an audition with the Faculty of Fine Arts
William Asbury Buchanan Award (Endowed by the late Senator William Asbury Buchanan)	Value: \$150	• 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	• Academic achievement • Financial need	• March 15 (Fall entrance) • November 15 (Spring entrance)

c. Transfer Scholarships

Note: Awards in this section require a separate application which must be submitted before **June 15** for Fall entrance and **November 15** for Spring entrance. Refer also to **Section 3. Entrance, Transfer, or Continuing Awards (p. 465)**.

Board of Governors' Transfer Scholarship (UofL)	Value: Up to \$1,500 Number: As many as qualify	• New transfer students	• Academic achievement	• June 15 (Fall entrance) • November 15 (Spring entrance)
Post-Diploma Entrance Scholarship (UofL)	Value: Up to \$1,500 Number: As many as qualify	• Applicants admitted into a post-diploma program	• Academic achievement	• June 15 (Fall entrance) • November 15 (Spring entrance)
B.N. Collaborative Program Scholarship (UofL)	Value: Up to \$1,500 Number: Variable	• Students entering their third year of a collaborative program	• Academic achievement	• June 15 (Fall entrance)
Faculty of Management SAIT Transfer Scholarship (Faculty of Management) • <i>Created in appreciation of SAIT for the years that the UofL Calgary Campus was located at the SAIT campus</i>	Value: Up to \$1,000	• Students transferring from SAIT into a B.Mgt. program • Must have a minimum of 24 credit hours transferred into the UofL program	• Academic achievement	• Not required
Pierzchala Family Bursary in Nursing (Kathy Pierzchala) • <i>Kathy Pierzchala, a retired nurse and long-time resident of Lethbridge, established this bursary to encourage students to pursue the rewarding profession of nursing</i>	Value: \$1,000	• Students entering the third year of a B.N. program	• Financial need	• June 15

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
<p>Donna Vreeken Memorial Bursary in Nursing (D. Van Gaalen)</p> <ul style="list-style-type: none"> In memory of Donna Vreeken who passed away suddenly in 1995. Donna was dedicated to the nursing profession and quality care giving 	Value: \$500	<ul style="list-style-type: none"> Students entering third year of the B.N. program or first year of the Post-Diploma B.N. program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> June 15
3. ENTRANCE, TRANSFER, OR CONTINUING AWARDS				
<p>Roloff Beny Foundation Photographic Award in Fine Arts (Roloff Beny Foundation)</p> <ul style="list-style-type: none"> Dr. Roloff Beny is considered one of the most distinguished artists in Canadian History. He received an honorary degree from the University in 1972 	Value: Up to \$5,000 Number: Minimum of two	<ul style="list-style-type: none"> Students currently enrolled in any B.F.A. program who demonstrate an interest in photo-arts Students authorized by the Faculty of Fine Arts as visiting or exchange (away) students at another institution 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Excellence in photo art Funds must be used to defray travel, tuition, and photography-related costs 	<ul style="list-style-type: none"> November 1 Application submitted to Faculty of Fine Arts includes a portfolio of work, 500 word essay, projected budget, and curriculum vitae Selection by committee
<p>Ben Heppner Music Performance Award (Multiple supporters of the UofL Department of Music)</p>	Value: Up to \$5,000 Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement (GPA) and demonstrated ability and potential in music performance 	<ul style="list-style-type: none"> Not required Nomination by Department of Music
<p>Lethbridge Symphony Orchestra Strings Award (Lethbridge Symphony Orchestra)</p>	Value: \$1,000 to \$3,000 Number: Up to six	<ul style="list-style-type: none"> New students admitted to a B.Mus. program with the instrument of violin, viola, cello, or bass Successful audition for the Lethbridge Symphony 	<ul style="list-style-type: none"> Artistic excellence as demonstrated at the audition Preference given to minimum admission GPA of 3.0 for Transfer and 70 percent for High School entrance 	<ul style="list-style-type: none"> Not required Nominated by the Music Department Scholarship Committee
<p>AADAC Addictions Counselling Bursary (Alberta Health Services, Alberta Alcohol and Drug Abuse Commission)</p>	Value: \$2,500 (disbursed \$1,500 the first year and \$1,000 the second year) Number: Four	<ul style="list-style-type: none"> Entering the B.H.Sc. Addictions Counselling degree program (40 course and post-diploma direct entry or extended program) 	<ul style="list-style-type: none"> Financial need Three awards to students of First Nations, Métis, or Inuit ancestry One 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 	<ul style="list-style-type: none"> March 15 (high school applicants) June 15 (transfer students)

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Alan and Grace Hamilton Scholarship (Mrs. Maxine Stephens) <ul style="list-style-type: none"> Established to honour the Hamiltons, a pioneering farm couple who lived on a 160-acre farm in the Sunnyside district from 1926 to 1945 	Value: \$2,500 Number: Two	<ul style="list-style-type: none"> New or continuing students majoring in Agricultural Biotechnology or Agricultural Studies Canadian Citizen Raised on an independent family farm/ranch located in southern Alberta (south of High River) 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students)
William S. and Helen Kizema Memorial Scholarship (Endowed by the Kizema Family)	Value: \$2,000 Number: Up to six	<ul style="list-style-type: none"> New high school or new transfer students 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required for high school applicants Transfer students: <ul style="list-style-type: none"> June 15 (Fall entrance) November 15 (Spring entrance)
Public Health Entrance Award (Faculty of Health Sciences)	Value: \$2,000 (\$1,000 first year and \$1,000 third year) Number: Variable	<ul style="list-style-type: none"> All new applicants who meet regular admission requirements to the B.H.Sc. Public Health major 	<ul style="list-style-type: none"> All eligible first year applicants For renewal of the award in third year, 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 Must have completed a minimum of 9.0 credit hours per semester at the UofL during the previous Fall/Spring semesters 	<ul style="list-style-type: none"> Not required
ATCO Gas Award in Management (ATCO Gas)	Value: \$1,750	<ul style="list-style-type: none"> New or continuing B.Mgt. students 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students)
ATCO Gas Management Award for Treaty Seven First Nations (ATCO Gas)	Value: \$1,750	<ul style="list-style-type: none"> New or continuing B.Mgt. students from the Blackfoot Confederacy: Siksika, Piikani (Peigan) and Kainaiwa (Blood), Tsuu T'ina (Sarcee), the Stoney (Bearspaw, Chiniki, and Wesley/Goodstoney) 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students)

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Alex and Norrie Mac Millan Agricultural Scholarship (Rosemarie Castelli) • <i>This award was made possible by a gift of a Vulcan area farm to the University of Lethbridge</i>	Value: Variable Number: Variable	<ul style="list-style-type: none"> New or continuing students majoring in Agricultural Studies or Agricultural Biotechnology 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students)
Alberta Blue Cross 50th Anniversary Health Sciences Award (Alberta Blue Cross Benefits Corporation Foundation)	Value: \$1,250	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) June 15 (transfer students) November 15 (Spring entrance)
Alberta Blue Cross 50th Anniversary Award for Students With Special Needs (Alberta Blue Cross Benefits Corporation Foundation)	Value: \$1,250	<ul style="list-style-type: none"> Alberta residents with special needs First preference to new students, second preference to continuing students 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
Bruce and Mary Milliken Music Scholarship (Bruce and Mary Milliken) • <i>Bruce and Mary Milliken have been involved in choirs and voice training since their teenage years</i>	Value: \$1,125 Number: Four (one each for entry into first, second, third, and fourth year of program)	<ul style="list-style-type: none"> New or continuing students enrolled in a B.Mus. program focusing on voice Preference to bass, baritones, and tenors 	<ul style="list-style-type: none"> Academic achievement Demonstrated exceptional aptitude in the applied Music area of voice 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) New students must arrange an audition with the Faculty of Fine Arts
Country 95.5 FM (CHLB) Music Scholarship (Country 95.5 FM Radio) • <i>CHLB 95.5 is a strong community supporter and encourages the development of local musicians</i>	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Demonstrated exceptional aptitude in an applied music area or in composition as determined by audition or portfolio 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance) New students must arrange an audition with the Faculty of Fine Arts
Digital Audio Arts Entrance Award (Faculty of Fine Arts)	Value: \$500 - \$1,000 Number: Variable	<ul style="list-style-type: none"> New high school or transfer students enrolled in the B.Mus. with a major in Digital Audio Arts 	<ul style="list-style-type: none"> Academic achievement Demonstrated artistic excellence 	<ul style="list-style-type: none"> Not required Must submit an <i>Application for Admission</i> to the UofL by March 1

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Joseph Dorner Memorial Award (The Estate of Leopoldine Rosalie Dorner)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> New or continuing students who have a permanent home address in, or whose parents reside in, Granum, Alberta 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
Faculty of Health Sciences Entrance and Relocation Scholarship (Faculty of Health Sciences)	Value: \$1,000 entrance; \$500 relocation; \$500 continuing second-year Public Health majors Number: Variable	<ul style="list-style-type: none"> All new applicants entering a B.N. or B.H.Sc. program Applicants relocating from outside a 100 km radius of Lethbridge 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required B.N. students: Relocation Awards are granted in the first semester of the program; Entrance Awards are deferred until full-time registration at the UofL
Galt School of Nursing Alumnae Scholarship (Galt School of Nursing Alumnae) <i>Established by the Galt School of Nursing Alumnae to encourage future nurses in their pursuit of a rewarding career helping others</i>	Value: \$1,000	<ul style="list-style-type: none"> Students entering or continuing B.N. & B.N.After Degree program on the UofL campus (third or fourth year) 	<ul style="list-style-type: none"> Academic achievement Preference may be given to descendants of the Galt School of Nursing Alumnae 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students)
International Entrance and Continuing Award (UofL)	Value: \$1,000 Number: 70 Entrance 30 Continuing	<ul style="list-style-type: none"> Visa students entering or continuing any degree programs 	<ul style="list-style-type: none"> Academic achievement 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 Continuing students minimum GPA of 3.0 and 60 percent course load 	<ul style="list-style-type: none"> Not required May receive Continuing award only once

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
<p>International Relocation Award (International Centre for Students)</p>	<p>Value: up to \$2,000 Number: Variable</p>	<ul style="list-style-type: none"> • Visa students entering any undergraduate degree program or English for Academic Purposes • Must be relocating to study in-person at any UofL campus 	<ul style="list-style-type: none"> • Visa students who are attending as a result of a University of Lethbridge initiative (overseas recruitment event or partnership with a foreign government) • Must meet admission requirements for an undergraduate degree program (but missing the English Language Proficiency score for those entering EAP) 	<ul style="list-style-type: none"> • Not required • May receive this award once
<p>Vondis Miller Scholarship in Fine Art (UofL)</p> <ul style="list-style-type: none"> • <i>Vondis Miller served as Dean of the School of Fine Arts from 1989 to 1998</i> 	<p>Value: \$1,000 Number: Four (one each for Art, Dramatic Arts, New Media, and Music)</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated artistic excellence 	<ul style="list-style-type: none"> • Must submit an <i>Application for Admission</i> to the UofL 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
<p>Louise Needham Scholarship (Friends of Louise Needham)</p>	<p>Value: \$1,000</p>	<ul style="list-style-type: none"> • New students commencing a degree program with a major in Music 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated artistic excellence 	<ul style="list-style-type: none"> • March 15 (high school applicants) • June 15 (transfer students) • November 15 (Spring entrance) • Must arrange an audition with the Faculty of Fine Arts
<p>Joyce and Ron Sakamoto Digital Audio Arts Entrance Award (Joyce and Ron Sakamoto)</p> <ul style="list-style-type: none"> • <i>Successful music business professionals and long-time supporters of the Department of Music at the UofL, the Sakamoto's have established this award to encourage gifted music students to pursue careers in the digital audio arts</i> 	<p>Value: Up to \$1,000 Number: Variable</p>	<ul style="list-style-type: none"> • Full-time students entering the B.Mus. program with a major in Digital Audio Arts 	<ul style="list-style-type: none"> • Demonstrated proficiency in Digital Audio Arts measured by academic achievement, exemplary creative work, overall ability and/or potential • Academic achievement (minimum admission average of 70% from high school or 3.0 transfer GPA) 	<ul style="list-style-type: none"> • Not required • Nomination by Department of Music

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
<p>Simpson-Markinch Award (Lloyd and Robert Simpson)</p> <ul style="list-style-type: none"> 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 	<p>Value: \$1,000 Number: Variable</p>	<ul style="list-style-type: none"> Entering or continuing students in any degree program Must be Alberta residents from Lethbridge or south of Lethbridge 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0 for continuing/transfer or 70 percent admission average for high school admits) 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
<p>Supporting Our Students Bursary (The University Community)</p> <ul style="list-style-type: none"> Generous contributions from the University community, including faculty, staff, retirees, Board of Governors, Senate members, alumni, and other friends of the UofL, established this award to support UofL students 	<p>Value: \$1,000 Number: Variable</p>	<ul style="list-style-type: none"> Full or part-time students entering or continuing any UofL degree program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
<p>Supporting Our Students Scholarship (The University Community)</p> <ul style="list-style-type: none"> Generous contributions from the University community, including faculty, staff, retirees, Board of Governors, Senate members, alumni, and other friends of the UofL, established this award to support UofL students and recognize academic achievement 	<p>Value: \$1,000 Number: Variable</p>	<ul style="list-style-type: none"> Full or part-time students entering or continuing any UofL degree program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
<p>Gerald Trechka Memorial Scholarship (Endowed by the family and friends of the late Gerald Trechka)</p>	<p>Value: \$1,000</p>	<ul style="list-style-type: none"> New or continuing students 	<ul style="list-style-type: none"> Academic achievement Preference will be given to students with a physical disability 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance) Physician's statement and indication of nature and degree of impairment are required
<p>George Evelyn Award for Excellence in Choral Music (Friends and colleagues of George Evelyn)</p> <ul style="list-style-type: none"> Established upon the retirement of George Evelyn, a long time UofL faculty member, to honour the creativity he brought to the community during his career 	<p>Value: \$1,000 Number: Two</p>	<ul style="list-style-type: none"> Entering or continuing students with a minimum 60 percent course load in any undergraduate degree program Membership in the University of Lethbridge Singers 	<ul style="list-style-type: none"> Entering high school admission average of 65 percent Entering transfer and continuing students minimum 2.75 cumulative GPA 	<ul style="list-style-type: none"> Not required Nominated by the conductor and ratified by the Music Department Scholarship Committee May receive this award more than once

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Royal Canadian Legion Alberta-N.W.T. Command Award (The Royal Canadian Legion Alberta-N.W.T. Command)	Value: \$1,000	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
University of Lethbridge Alumni Association - Calgary Chapter Entrance Award (UofL Alumni Association - Calgary Chapter) <i>The UofL Alumni Association - Calgary Chapter has existed since 2000 and aims to increase mutually beneficial relationships among the alumni that reside in the Calgary area</i>	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> Full or part-time students entering an undergraduate degree program and attending classes at the Calgary campus 	<ul style="list-style-type: none"> Academic achievement (minimum admission average of 3.0 for transfer or 70% for high school applicants) Preference given to financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) June 15 (transfer students) November 15 (Spring entrance)
Atkin Memorial Scholarship Order of the Eastern Star (Grand Chapter of Alberta, Order of the Eastern Star from the Atkin family)	Value: \$800	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)
Czechoslovak Canadian Cultural Society Scholarship (Czechoslovak Canadian Cultural Society)	Value: \$750	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) June 15 (transfer students) November 15 (Spring entrance)
Alberta Union of Provincial Employees Award (Endowed by The Alberta Union of Provincial Employees)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance)

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Bud and Roberta Bibby Memorial Award (Dr. Reginald Bibby)	Value: \$500	<ul style="list-style-type: none"> • Entering or continuing students in any degree program 	<ul style="list-style-type: none"> • Financial need • Academic achievement (minimum GPA of 3.0 for continuing/transfer or 70 percent admission average for high school admits) 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance)
Cardtronics Canada Entrance Award (Cardtronics Canada)	Value: \$500	<ul style="list-style-type: none"> • New students commencing any undergraduate degree program 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • March 15 (high school applicants) • June 15 (transfer students)
Ronald B. Coleman Scholarship in Palliative Care (Ronald B. Coleman)	Value: \$500	<ul style="list-style-type: none"> • Entering or continuing students in the Post-Diploma B.N. program with a clinical practice focus in Palliative Care 	<ul style="list-style-type: none"> • Have worked for or intend to work in end-of-life care • Academic achievement 	<ul style="list-style-type: none"> • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance) • Nominated by Faculty of Health Sciences
English for Academic Purposes Completion Award (EAP Program, International Centre for Students)	Value: \$500 Number: Up to 22	<ul style="list-style-type: none"> • Students completing the EAP program and entering into a full-time undergraduate degree program at the UofL 	<ul style="list-style-type: none"> • Academic achievement measured by overall grades in each component of the final semester of the EAP program (grammar, communication, reading, and writing) 	<ul style="list-style-type: none"> • Not required, nominated by EAP program staff • May receive award once
Green Acres Foundation - Housing for Seniors Award (Green Acres Foundation)	Value: \$500 Number: Two	<ul style="list-style-type: none"> • New or continuing students. Preference to new students • Children, stepchildren, or grandchildren of Green Acres Foundation employees who have been with the Foundation for a period of at least one year • Employees are not eligible 	<ul style="list-style-type: none"> • Academic achievement • Community service • Preference given for volunteer work with or for seniors 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students)
Fannie Marquardson Scholarship (Mrs. B. Glass, in loving memory of her mother) • <i>Dedicated to the memory of Mrs. Fannie Marquardson, an Alberta pioneer</i>	Value: \$500	<ul style="list-style-type: none"> • Entering or continuing students in any degree program 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated interest in Home Economics 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance)
Scott Alexander Marshalsay Memorial Bursary (Barbara Marshalsay and friends)	Value: \$500	<ul style="list-style-type: none"> • Entering an undergraduate degree program with a major in Environmental Science 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • March 15 (high school applicants) • June 15 (transfer students)

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
<p>Christine Miller Memorial Award (Patricia Chuchryk and Christine Miller)</p> <ul style="list-style-type: none"> Award was established from the proceeds of the book "Women of the First Nations: Power, Wisdom and Strength," authored by the donors 	Value: \$500	<ul style="list-style-type: none"> Single parent of First Nations, Métis, or Inuit heritage enrolled in any degree program New or continuing students Minimum 60 percent course load 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students)
<p>Bob, Carolyn, and Jeff Neilson Memorial Bursary in Nursing (Tracy and Rod Oosterbroek)</p> <ul style="list-style-type: none"> Established in memory of Tracy Oosterbroek's parents, Bob and Carolyn Neilson, and her brother Jeff Neilson 	Value: \$500	<ul style="list-style-type: none"> Entering first year at the UofL or continuing B.N. students in any year of study 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students)
<p>Linda Nicol Entrance Award in Fine Arts (Faculty of Fine Arts)</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Students entering a B.F.A. or B.Mus. program or a program with a declared major in Art, Dramatic Arts, Music, or New Media 	<ul style="list-style-type: none"> Academic achievement Demonstrated artistic excellence 	<ul style="list-style-type: none"> Must submit an <i>Application for Admission</i> to the UofL 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
<p>Nugent Family Award (Kevin and Kathy Nugent)</p> <ul style="list-style-type: none"> Established by Kevin and Kathy Nugent and their family in order to support aboriginal students in achieving their educational goals 	Value: \$500	<ul style="list-style-type: none"> New or continuing students of First Nations, Métis, or Inuit descent Preference given to students in a B.Mgt. program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0 for continuing/transfer or 70 percent admission average for high school admits, minimum 60 percent course load) Financial need 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students)
<p>Scholarship for Students with Disabilities (UofL)</p>	Value: \$500	<ul style="list-style-type: none"> New or continuing students who have documented disabilities (learning or physical) 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students) June 15 (transfer students) November 15 (Spring entrance) Physician's statement and indication of nature and degree of impairment are required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
<p>Ches Skinner Early Entrance Award in Fine Arts (Faculty of Fine Arts)</p> <ul style="list-style-type: none"> • <i>Dr. Ches Skinner served as Dean of the Faculty of Fine Arts from 1999 to 2009</i> 	<p>Value: \$500 - \$1,000 Number: Variable</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • No separate scholarship application required • Must submit an Application for Admission by March 1
<p>The Honourable Raymond A. Speaker P.C. (Little Bow Constituency) Award (Raymond and Ingrid Speaker)</p>	<p>Value: \$500</p>	<ul style="list-style-type: none"> • Transfer or continuing • 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 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance)
<p>Jan Tait Memorial Award (Tait Family)</p> <ul style="list-style-type: none"> • <i>Jan and Logan Tait were the first chairs of the Festival of Art & Song at the UofL</i> 	<p>Value: \$500</p>	<ul style="list-style-type: none"> • New or continuing students in any degree program • Member of the UofL Singers 	<ul style="list-style-type: none"> • Successful audition • Minimum GPA of 2.5 for continuing/transfer students or 65 percent admission average for high school admits 	<ul style="list-style-type: none"> • Not required
<p>Adrian Van Gaalen Memorial Bursary in Agriculture (D. Van Gaalen)</p> <ul style="list-style-type: none"> • <i>In memory of Adrian Van Gaalen who, along with his wife, built a successful farming operation in southern Alberta. This award is meant to inspire those who appreciate creation, the farming industry, and the value of a hard day's work</i> 	<p>Value: \$500</p>	<ul style="list-style-type: none"> • Third-year students majoring in Agricultural Studies or Agricultural Biotechnology • Continuing or first year of the post-diploma program 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • May 1 (continuing students) • June 15 (transfer students)
<p>Ryan Imbach Memorial Award for the Hearing Impaired (Family of Ryan Imbach)</p>	<p>Value: \$300</p>	<ul style="list-style-type: none"> • New or continuing hearing impaired students 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance) • Physician's statement indicating the nature and degree of impairment is required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Lethbridge District Scouts Award (Scouts Canada Lethbridge District)	Value: Up to \$200	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance) • Submit letter from Scout Troop Leader
Meliorist Award for Single Parents (The Meliorist Publishing Society)	Value: \$100	<ul style="list-style-type: none"> • A single parent 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • March 15 (high school applicants) • May 1 (continuing students) • June 15 (transfer students) • November 15 (Spring entrance)

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. 455)**.

a. General

Zella Dague Forsyth Memorial Award (Dr. Howard Forsyth) • <i>Zella Dague Forsyth was a highest honour graduate of the University of Texas and MS 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</i>	Value: \$5,000 or two at \$2,500	<ul style="list-style-type: none"> • Continuing students admitted to any program • Must be a registered member of the Blood or Peigan Nation 	<ul style="list-style-type: none"> • Academic achievement • Financial need • A one-page essay relating the obstacles overcome in life 	<ul style="list-style-type: none"> • 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) Number: Up to three	<ul style="list-style-type: none"> • Must have completed a minimum of 19 semester courses in a degree program at the time the research is undertaken 	<ul style="list-style-type: none"> • An evaluation of the student's academic record, project proposal and letters of recommendation 	<ul style="list-style-type: none"> • January 31 • Must be supported by a letter of recommendation from the appropriate Department or the Faculty member responsible for the project

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
E.C. Manning Scholarship (National Citizen's Coalition)	Value: \$2,500	<ul style="list-style-type: none"> • Second-, third-, or fourth-year students • Must be an Alberta resident 	<ul style="list-style-type: none"> • Demonstrated high level of academic achievement • Public service and community leadership 	<ul style="list-style-type: none"> • May 1
Métis Scholar Award (Métis Education Foundation and UofL) <ul style="list-style-type: none"> • <i>Established to help alleviate financial need and to encourage post-secondary achievement on the part of Métis students studying at the UofL</i> 	Value: \$2,500 Number: Six	<ul style="list-style-type: none"> • Full-time in any undergraduate degree program (minimum 9 credits per term) • Canadian citizen • Métis heritage 	<ul style="list-style-type: none"> • Demonstrated financial need • Minimum GPA of 2.3 in the immediate previous semester at UofL 	<ul style="list-style-type: none"> • October 31 • Statement of experience with the Métis community • Cannot be receiving funding from Rupertsland Institute – Métis Training to Employment Services
Chancellor's Scholarship (UofL)	Value: Up to \$1,500	<ul style="list-style-type: none"> • Must have completed a minimum of 29 semester courses and have taken all degree courses at the UofL 	<ul style="list-style-type: none"> • Academic achievement • Must be enrolled full-time in the final year of the degree program 	<ul style="list-style-type: none"> • May 1
The President's Scholarship (UofL)	Value: Up to \$1,500 Number: Up to 10	<ul style="list-style-type: none"> • Continuing students 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
University of Lethbridge Scholarship (UofL)	Value: Up to \$1,500 Number: Variable	<ul style="list-style-type: none"> • Continuing students 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Sven Ericksen Citizenship Scholarship (Endowed by family and friends of the late Sven Ericksen)	Value: \$1,500 Number: Two	<ul style="list-style-type: none"> • A minimum of 19 semester courses • Must be enrolled in studies of or related to Canadian citizenship 	<ul style="list-style-type: none"> • Academic achievement • Preference to those enrolled in courses with a strong Canadian emphasis 	<ul style="list-style-type: none"> • May 1
John Gill Memorial Award (Friends and family of John Gill) <ul style="list-style-type: none"> • <i>In honour of the memory of John Gill, alumnus, former member of the Senate and Board of Governors, and Past President of the UofL Alumni Association. This award celebrates his life and his commitment to the UofL</i> 	Value: \$1,500	<ul style="list-style-type: none"> • Third- or fourth-year students enrolled in any undergraduate degree program 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Demonstrated leadership and involvement the UofL community 	<ul style="list-style-type: none"> • Separate application required by November 1
Senate Award (UofL Senate members, past and present)	Value: \$1,500	<ul style="list-style-type: none"> • Continuing students enrolled in any undergraduate degree program 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated volunteer work through community involvement • Financial need 	<ul style="list-style-type: none"> • 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
TD Bank Financial Group Bursary (TD Bank Financial Group) <ul style="list-style-type: none"> • TD Bank Financial Group has established this award as it is committed to helping students succeed in their post-secondary studies 	Value: \$1,500 Number: Three	<ul style="list-style-type: none"> • Full-time or part-time students in any degree program • Canadian or Permanent Resident 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • May 1
Louis Sherman Turcotte Memorial Travel Award (Endowed by the late Louis Sherman Turcotte) <ul style="list-style-type: none"> • The intent of the program is to stimulate student and faculty initiatives that involve travel abroad, to the U.S.A. and other parts of Canada to pursue credit programs applicable to UofL degrees 	Value: A maximum of \$1,500 each Number: Variable	<ul style="list-style-type: none"> • 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 UofL prior to departure, and have been enrolled in full-time studies at the UofL the two semesters prior to the application deadline 	<ul style="list-style-type: none"> • Preference given to travel abroad • Must demonstrate a reasonable academic background and accomplishment and indicate the benefits to be gained by the program 	<ul style="list-style-type: none"> • November 1 for travel during the following Spring and Summer • March 1 for travel during the following Summer and Fall • July 1 for travel during the following Fall and Spring
Paul Bath Memorial Travel Award (Endowed by family and friends of Paul Bath) <ul style="list-style-type: none"> • Paul Bath graduated from the UofL in 1997 and was teaching English as a Second Language in Japan at the time of his death 	Value: Variable	<ul style="list-style-type: none"> • Canadian citizens or Permanent Residents • Odd numbered years - Hokkai-Gakuen Exchange students • Even numbered years - self-initiated study experiences 	<ul style="list-style-type: none"> • Academic achievement • Financial need • Commitment to furthering an understanding of Japanese and Canadian cultures 	<ul style="list-style-type: none"> • March 15 • Two letters of reference
Province of Alberta International Travel Award (Province of Alberta Escheated Estates) <ul style="list-style-type: none"> • To support student involvement in international study programs/tours sponsored by an academic unit of the UofL 	Value: Actual direct travel costs up to a maximum of \$750 per student Number: Variable Not to be used for graduate students conference travel	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement (minimum 2.0 GPA) and good financial standing prior to departure for the study program/tour 	<ul style="list-style-type: none"> • 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 only once per academic year
University of Lethbridge Short Fiction Prize (Terry Whitehead) <ul style="list-style-type: none"> • Terry Whitehead is a UofL alumnus who is trying to encourage creative writing 	Value: \$1,500 for first prize; \$750 for second prize; \$250 for third prize Number: Three	<ul style="list-style-type: none"> • Undergraduate students in good standing at the time of submission of entry 	<ul style="list-style-type: none"> • Best submissions as selected by judges 	<ul style="list-style-type: none"> • Contact Department of English for details

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
University of Lethbridge Play Right Prize (Terry Whitehead) <ul style="list-style-type: none"> Terry Whitehead is a UofL alumnus who is trying to encourage the art of play writing 	Value: \$1,500 for first prize; \$750 for second prize; \$250 for third prize Number: Three	<ul style="list-style-type: none"> Undergraduate students in good standing at the time of submission of entry 	<ul style="list-style-type: none"> Best submissions as selected by judges 	<ul style="list-style-type: none"> Contact Faculty of Fine Arts for details
Risk and Safety Award for Student Involvement (Anne Baxter and various donors) <ul style="list-style-type: none"> Initiated by Anne Baxter, Manager of Risk and Safety Services, to acknowledge the dedication of those students who accept the assessment, management and control of risk and safety in their academic experiences and student event activities 	Value: \$1,200	<ul style="list-style-type: none"> Continuing students in any program who have consulted with Risk and Safety Services for campus activities 	<ul style="list-style-type: none"> Exemplary compliance with regulatory and University safety and risk management policies Ability to manage, mitigate or eliminate risk Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> Not required Nomination by UofL Risk Committee
Bill and Elsa Cade Student of the Year Award (Proceeds from the "Michael Nolan Car Raffle" and the UofL) <ul style="list-style-type: none"> Established through the proceeds from the "Michael Nolan Car Raffle." The car was a gift from former President Dr. Bill Cade and his wife Elsa Salazar Cade. Michael Nolan was Dr. Cade's uncle who provided funding that helped Dr. Cade complete his education 	Value: \$1,000	<ul style="list-style-type: none"> Full-time students continuing in any undergraduate degree program 	<ul style="list-style-type: none"> Exceptional leadership skills as demonstrated through community and campus involvement Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> Separate application required by November 1 Letter of reference and an essay on the importance of community service/leadership
Campus Sustainability Recycling Award (UofL Campus Community) <ul style="list-style-type: none"> This award is funded from deposits on returnable beverage containers collected around the UofL campus. Project initiated by the Campus Sustainability Committee 	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program 	<ul style="list-style-type: none"> Community involvement 	<ul style="list-style-type: none"> May 1
Dorner Award (The Estate of Leopoldine Rosalie Dorner)	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> A minimum of 19 semester courses Must be Alberta residents 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
EBH Award (EBH)	Value: Up to \$1,000 Number: Variable	<ul style="list-style-type: none"> Students who have completed at least 19 semester courses 	<ul style="list-style-type: none"> Academic achievement Financial need Must have demonstrated University and/or community involvement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
First Nations Bursary (UofL faculty and staff) <ul style="list-style-type: none"> Established by donations from faculty and staff at the UofL in order to provide emergency financial support for First Nations, Métis, and Inuit students at the UofL 	Value: Up to \$1,000 Number: Variable	<ul style="list-style-type: none"> Full-time undergraduate students First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> Financial need exacerbated by an emergency situation 	<ul style="list-style-type: none"> Required Apply at the Scholarships and Student Finance Office
Mat Hanrahan Memorial First Nations, Métis and Inuit Bursary (Anita Hanrahan) <ul style="list-style-type: none"> Mat Hanrahan is remembered for his wisdom and dedication to the well-being and education of children, particularly First Nations and Métis youth 	Value: \$1,000	<ul style="list-style-type: none"> First Nations, Métis or Inuit students continuing in any undergraduate degree program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
Judy Jaeger Bursary (Judy Jaeger) <ul style="list-style-type: none"> Judy Jaeger, Manager of Caretaking, has a deep appreciation for the staff on her team and a commitment to maintain a healthy, clean environment for all UofL students 	Value: \$1,000 Number: Four	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
Colleen Klein Scholarship for First Nations Students (UofL)	Value: \$1,000	<ul style="list-style-type: none"> Full-time continuing students in any degree program (minimum 60 percent course load) First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Lethbridge/Macleod Bar Association Scholarship (Lethbridge/Macleod Bar Association)	Value: \$1,000	<ul style="list-style-type: none"> Continuing in any undergraduate degree program and completion of a minimum of sixty credits hours Must have intentions of pursuing a law degree 	<ul style="list-style-type: none"> Academic achievement Preference given to financial need Preference given to students raised and residing in Southern Alberta (Claresholm and south) 	<ul style="list-style-type: none"> May 1
ORS Council Excellence Award (UofL)	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 UofL residents Academic standard of good standing 	<ul style="list-style-type: none"> May 1 Must submit resume detailing achievements and accomplishments pertaining to the ORS and two letters of reference from ORS stakeholders

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Organization of Residence Students Family Award (UofL staff, faculty and former ORS members) <ul style="list-style-type: none"> This award recognizes the unique challenges of students living in family housing, pursuing full-time studies while raising children 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Financial need Academic achievement 	<ul style="list-style-type: none"> May 1
Students' Union Quality Initiatives Scholarship (The Students' Union, UofL) <ul style="list-style-type: none"> An agreement between the Students' Union and the UofL has made this award possible 	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.2) 	<ul style="list-style-type: none"> May 1
Students' Union Quality Initiatives Bursary (The Students' Union, UofL) <ul style="list-style-type: none"> An agreement between the Students' Union and the UofL has made this award possible 	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> 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 UofL 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 2.0) 	<ul style="list-style-type: none"> May 1
Alice Takacs Achievement Award (Alice Takacs) <ul style="list-style-type: none"> Alice Takacs served on the UofL Senate from 1995 to 2001. She is also a longtime and avid supporter of the UofL 	Value: \$1,000	<ul style="list-style-type: none"> Full-time students who have completed the First Nations Transition Program and are continuing in any University of Lethbridge undergraduate degree program 	<ul style="list-style-type: none"> Academic achievement (all actual grades included in the calculation) Positive contribution and involvement in class 	<ul style="list-style-type: none"> Not required Nominated by committee
TD Meloche Monnex Scholarship (TD Meloche Monnex) <ul style="list-style-type: none"> TD 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: \$1000	<ul style="list-style-type: none"> Full-time or part-time continuing students entering third or fourth year of study Preference to children of UofL alumni 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Van Gaalen/Burbridge Farm Ltd. Award (Dave and Marilyn Van Gaalen) <ul style="list-style-type: none"> The donors encourage students to further advance conservation and efficiency in irrigation methods and delivery 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 2.8) Preference given to financial need 	<ul style="list-style-type: none"> Not required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
University of Lethbridge Alumni Association - Calgary Chapter Award (UofL Alumni Association - Calgary Chapter) <ul style="list-style-type: none"> The UofL 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Preference given to financial need 	<ul style="list-style-type: none"> May 1
University of Lethbridge Faculty Association Academic Award (UofL Faculty Association)	Value: Variable, minimum equivalent to tuition for one 3.0-credit UofL course <ul style="list-style-type: none"> Available funds will be divided equally among eligible students Number: Variable	<ul style="list-style-type: none"> 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 UofL 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> September 30 No student may receive this award more than two times Students not attending the UofL must attach official transcripts and current term confirmation of registration to application
Steven C. Patten Memorial Scholarship (Family and friends of the late Steve Patten)	Value: \$800	<ul style="list-style-type: none"> Second-year or higher standing 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Charlene Janes Bursary for International Students (Charlene Janes) <ul style="list-style-type: none"> Charlene Janes, a UofL staff member, works extensively with International students. Her passion for seeing them succeed prompted her to initiate this award 	Value: \$750	<ul style="list-style-type: none"> Continuing international students 	<ul style="list-style-type: none"> Financial need Satisfactory academic achievement 	<ul style="list-style-type: none"> May 1
Lethbridge and District Japanese Canadian Association Award (Endowed by the Lethbridge & District Japanese Canadian Association)	Value: \$750 Number: Two	<ul style="list-style-type: none"> A minimum of 19 semester courses in a degree program 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Canadian Federation of University Women (Lethbridge) Scholarship (Canadian Federation of University Women, Lethbridge)	Value: \$600	<ul style="list-style-type: none"> Students who have returned to university after an absence of three years or more or single parents enrolled in any degree program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Cloverdale Paint Inc. Award (Cloverdale Paint Inc.)	Value: \$600	<ul style="list-style-type: none"> Continuing in any degree program Must be a Canadian citizen and permanent resident of British Columbia, Alberta, Saskatchewan or Manitoba 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Demonstrated a commitment to community service and career and/or entrepreneurial objectives Preference will be given to employees or students related to employees of Cloverdale Paint 	• May 1
Ware and Lewis Memorial Award (Ware and Lewis Estates)	Value: \$600	<ul style="list-style-type: none"> Students who graduated from high school in the County of Vulcan, Alberta Preference to candidates who have completed no more than 30 semester courses in total 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.3) Financial need 	• May 1
Academic Writing Prize (Faculties of Arts and Science, Fine Arts, and Management)	Value: \$500	<ul style="list-style-type: none"> Students in any undergraduate degree program offered by Arts and Science, Fine Arts, Health Sciences, or Management 	<ul style="list-style-type: none"> Exceptional academic writing in the Writing 1000 course completed in the most recent Fall or Spring semesters 	• Not required
The Calgary Foundation - Frances Camyre Memorial Foundation Award (The Calgary Foundation)	Value: \$500 Number: Up to 11	<ul style="list-style-type: none"> Must have successfully completed at least one semester of studies Must be Alberta residents 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need Community service 	• May 1
Elijah de Guzman Memorial Award (Kappa Sigma Fraternity) <i>• Created in loving memory of Eli de Guzman, a graduate of the UofL and a proud founding member of the Kappa Sigma Fraternity who passed away tragically in July 2009</i>	Value: \$500	<ul style="list-style-type: none"> Continuing students enrolled in any undergraduate degree program 	<ul style="list-style-type: none"> Leadership demonstrated through community involvement Academic achievement Financial need 	• May 1
David and Shirley Hughes Community Service Award (Dr. David and Mrs. Shirley Hughes)	Value: \$500	<ul style="list-style-type: none"> Continuing students who are members of the UofL Rotaract Club 	<ul style="list-style-type: none"> Academic achievement Demonstrated leadership through volunteerism within the University community and a commitment to the ideals of Rotary and Rotaract 	• May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Dayna B. Daniels Scholarship in Women and Gender Studies (Supporters of Women & Gender Studies and friends of Dr. Dayna Daniels) <ul style="list-style-type: none"> Named in honour of Professor Emerita Dayna B. Daniels; a fierce advocate for, and founding mother of Women and Gender Studies at the UofL 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Pronghorn Athletics Student Mentor Award (Pronghorn Athletics)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Full-time students with above average academic achievement Works with Pronghorn student-athletes in a mentoring capacity 	<ul style="list-style-type: none"> Academic achievement Successfully completed two semesters of full-time studies (minimum 18 credit hours for Undergraduate) at the UofL during the previous Fall and Spring semester 	<ul style="list-style-type: none"> Not required Nominated by Sport and Recreation Services
UofL Residence Healthy Living Bursary (Coco-Cola, UofL) <ul style="list-style-type: none"> In recognition of students participating in the Residence Dining Plan and who demonstrate a commitment to making healthy choices and an active living lifestyle 	Value: \$500 Number: Two (one for University Hall and one for Kainai House residents)	<ul style="list-style-type: none"> University Hall or Kainai House resident students who have completed first year and participated in the Residence Dining Plan Demonstrates active living & healthy lifestyle choices 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
Students' Union Scholarship (The Students' Union, UofL)	Value: \$500	<ul style="list-style-type: none"> Must have successfully completed a minimum of 24.0 credit hours at the UofL in the previous Fall and Spring semesters and entering the third or fourth year of their program 	<ul style="list-style-type: none"> Academic achievement Community service (University or broader community involvement) 	<ul style="list-style-type: none"> May 1 Students holding Executive Council positions in the year of application are not eligible for this award
Students' Union Placement Award (The Students' Union, UofL)	Value: \$500 Number: Three	<ul style="list-style-type: none"> Must have completed at least one academic semester at the UofL Must have received a placement (Co-op, Professional Semester, Internship or Exchange) that requires the student to relocate 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> November 1 for the following Spring semester March 1 for the following Summer Sessions July 1 for the following Fall semester

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Students' Union International Travel Award (The Students' Union, UofL)	Value: \$500	<ul style="list-style-type: none"> Students who have completed at least one full-time study term at the UofL Students must be travelling internationally in the upcoming academic year for full-time credits towards their degree program 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1 Students holding Executive Council positions in the year of application are not eligible for this award
Students' Union Award (The Students' Union, UofL)	Value: \$500 Number: Three	<ul style="list-style-type: none"> Must have successfully completed a minimum of 24.0 credit hours at the UofL in the previous Fall and Spring semesters; two awards for students entering the third or fourth year of their program 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> May 1 Students holding Executive Council positions in the year of application are not eligible for this award
Students' Union Part-Time Scholarship (The Students' Union, UofL)	Value: \$500	<ul style="list-style-type: none"> Must have successfully completed more than 3.0 credit hours and less than 24.0 credit hours at the UofL in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1 Students holding Executive Council positions in the year of application are not eligible for this award
Students' Union Emergency Bursary (The Students' Union, UofL)	Value: \$500	<ul style="list-style-type: none"> Full-time students with at least third-year standing 	<ul style="list-style-type: none"> Financial need exacerbated by an emergency situation Must be in good standing 	<ul style="list-style-type: none"> No deadline date
Students' Union Community Service Award (The Students' Union, UofL)	Value: \$500	<ul style="list-style-type: none"> A minimum of 24.0 credit hours in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> Academic achievement Demonstrated commitment/service to the UofL community 	<ul style="list-style-type: none"> May 1 Students holding Executive Council positions in the year of application will not be eligible to receive this award
Students' Union/Coca-Cola Bottling Scholarship (The Students' Union, UofL)	Value: \$500 Number: Two	<ul style="list-style-type: none"> Must have successfully completed a minimum of 24.0 credit hours at the UofL in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Students' Union/Coca-Cola Bottling Award (The Students' Union, UofL)	Value: \$500 Number: Two	<ul style="list-style-type: none"> Must have successfully completed a minimum of 24.0 credit hours at the UofL in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Students' Union/Coca-Cola Bottling Edmonton and Calgary Scholarship (The Students' Union, UofL)	Value: \$500 Number: Two (one each for Edmonton and Calgary campus students)	<ul style="list-style-type: none"> Enrolled in any degree program at the UofL and attending at the Edmonton or Calgary campuses Must have successfully completed a minimum of 18.0 credit hours at the UofL in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Canadian Federation of University Women (Lethbridge) Award (Canadian Federation of University Women)	Value: \$500	<ul style="list-style-type: none"> Students who have returned to university after an absence of three years or more or single parents enrolled in any degree program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need 	<ul style="list-style-type: none"> May 1
Cardtronics Canada Bursary (Cardtronics Canada)	Value: \$500	<ul style="list-style-type: none"> Continuing undergraduate students Single parents 	<ul style="list-style-type: none"> Financial need Minimum 60 percent course load 	<ul style="list-style-type: none"> May 1
Cardtronics Canada Community Service Award (Cardtronics Canada)	Value: \$500	<ul style="list-style-type: none"> Continuing undergraduate students 	<ul style="list-style-type: none"> Academic achievement (minimum 60 percent course load) Community service 	<ul style="list-style-type: none"> May 1
December 6 Award (December 6 Memorial Fund) <ul style="list-style-type: none"> <i>This award is presented in memory of the 14 women who were murdered at the École Polytechnique, Montreal, Quebec, December 6, 1989. The December 6 Fund has been established by the Faculty of Arts and Science to increase the awareness of women's issues. The fund is composed of donations from individuals and organizations supporting this cause</i> 	Value: \$500	<ul style="list-style-type: none"> Students who have at least second-year standing Demonstrated interest and involvement in women's issues 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1 The application will consist of: <ul style="list-style-type: none"> details on the student's volunteer and paid work experience that has benefitted women a list of courses taken relating to women's issues
David Dempster Memorial Scholarship (Family and friends of David Dempster)	Value: \$500	<ul style="list-style-type: none"> Preference to students who either did not complete high school or returned to university after an absence of three years or more 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
George Ellis Scholarship (Endowed by the late George Ellis)	Value: \$500 Number: Two	<ul style="list-style-type: none"> Must have completed a minimum of 19 semester courses 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Executive Women International (Lethbridge) Award (Executive Women International - Lethbridge Chapter) <ul style="list-style-type: none"> The Executive Women International (Lethbridge Chapter) is an organization which brings together key individuals from businesses for the purpose of promoting member firms, enhancing personal and professional development, and encouraging community involvement 	Value: \$1,000	<ul style="list-style-type: none"> Single parents from Southern Alberta who have at least second-year standing 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
The John Hamilton Award (Endowed by the late John Hamilton and friends)	Value: \$500	<ul style="list-style-type: none"> Must have second-year or higher standing 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Ruby I. Larson French Language Scholarship (Endowed by Dr. Ruby I. Larson)	Value: \$500	<ul style="list-style-type: none"> A minimum of 29 semester courses Evidence of interest in the use of French in the arts and/or in the business or social context Preference to a French major 	<ul style="list-style-type: none"> Academic achievement, particularly in French studies Participation in extracurricular activities entailing the use of French Must have taken at least one French course at the 3000 or 4000 level 	<ul style="list-style-type: none"> May 1
Dorothy Margaret Meehan Memorial Award (Teresa Diane Andrus)	Value: \$500	<ul style="list-style-type: none"> Students continuing in any degree program (minimum 60 percent course load) First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 2.50) 	<ul style="list-style-type: none"> May 1
Gordon and Elizabeth Merrick Award (Merrick Family) <ul style="list-style-type: none"> 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 	Value: \$500	<ul style="list-style-type: none"> Students continuing in any degree program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Demonstrated interest in improving the life of those who are living with cancer Financial need 	<ul style="list-style-type: none"> May 1
Will Morrison Memorial Scholarship (Family and Friends of Will Morrison) <ul style="list-style-type: none"> Will Morrison was an employee of the UofL Bookstore for over 20 years until his death in 1993 	Value: \$500	<ul style="list-style-type: none"> Preference to students who have at least second-year standing 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Romulus et Remus Italian Canadian Club Award (Romulus et Remus Italian Canadian Club)	Value: \$500	<ul style="list-style-type: none"> Students who have at least second-year standing Must be either a member or a direct descendant of a member of the <i>Romulus et Remus Italian Canadian Club</i> 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Rotary Community Service Award (Lethbridge Rotary Club)	Value: \$500	<ul style="list-style-type: none"> Students who have completed not less than nine semester courses Preference to a member of the Rotaract Club 	<ul style="list-style-type: none"> Academic achievement Financial need Service to the community 	<ul style="list-style-type: none"> May 1
StudentWise Bursary (Campbell & Co. Insurance Consultants Ltd.) <ul style="list-style-type: none"> <i>Campbell & Co. Insurance Consultants Ltd. is the company contracted by the Students' Union to provide the Health and Dental Plan to University of Lethbridge students</i> 	Value: \$500 Number: Two	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program Successful completion of a minimum of 18 credit hours in the previous Fall and Spring semesters at the UofL Continued coverage from the Students' Union Health and Dental Plan 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
25th Anniversary Alumni Association Scholarship (UofL Alumni Association)	Value: \$500	<ul style="list-style-type: none"> A minimum of 20 semester courses 	<ul style="list-style-type: none"> Academic achievement Involvement in campus or community activities such as clubs, volunteer organizations, or sports 	<ul style="list-style-type: none"> May 1
University of Lethbridge Alumni Association Award (UofL Alumni Association)	Value: \$500	<ul style="list-style-type: none"> Must be children of founding members or children of graduate members of the UofL Alumni Association 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Alumni Association John Gill Memorial Bursary (UofL Alumni Association)	Value: \$500 Number: Five	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
University of Lethbridge Library Award (Rae Hazelwood, her friends and colleagues) <ul style="list-style-type: none"> <i>Established in recognition of the retirement of Rae Hazelwood who served as a UofL librarian</i> 	Value: \$500	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program Employed as a student assistant in the UofL library for at least two semesters 	<ul style="list-style-type: none"> Above average employee as demonstrated by employment evaluation Academic achievement (minimum GPA of 2.5, 60 percent course load) 	<ul style="list-style-type: none"> May 1 Employment evaluation from library supervisor must be submitted May receive this award once

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
University of Lethbridge Scholarship for Reduced Course Load (UofL)	Value: Up to \$500 Number: Up to 20	<ul style="list-style-type: none"> • Must have completed a minimum of 12.0 and a maximum of 22.5 credit hours in the Fall and Spring semesters • Must have been registered in classes in both the Fall and Spring semesters 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
University of Lethbridge Scholarship, Spring Entrance (UofL)	Value: \$500 Number: Two	<ul style="list-style-type: none"> • Must have entered the UofL for the first time the preceding January • Must have successfully completed at least five courses during the Spring semester 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Elliot Wheeler Memorial Award (Friends and family of Elliot Wheeler) <ul style="list-style-type: none"> • <i>Elliot Wheeler, a UofL 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</i> 	Value: \$500	<ul style="list-style-type: none"> • Continuing students with at least third-year standing in a combined B.Sc./B.Mgt. program 	<ul style="list-style-type: none"> • Extracurricular activities and/or community involvement 	<ul style="list-style-type: none"> • May 1
Wilma G. Winter Memorial Award (Friends and family of Dr. Wilma Winter) <ul style="list-style-type: none"> • <i>Established in honour of Dr. Winter, a founding member of the University of Lethbridge and professor emeritus</i> 	Value: \$500	<ul style="list-style-type: none"> • Students with a minimum of 24.0 credit hours completed • Demonstrated commitment to an active living lifestyle 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • May 1
Dr. Ronald M. Yoshida Award in Philosophy of Science (Douglas T. Yoshida)	Value: \$500	<ul style="list-style-type: none"> • Any full-time undergraduate degree program 	<ul style="list-style-type: none"> • Academic merit in Philosophy 2233, Philosophy 2234, or Philosophy 3412 • Contribution to class discussion as recommended by Professor 	<ul style="list-style-type: none"> • Not required
Clarence and Ilene Bengtson Memorial Award (Endowed by the Estate, Family and friends of the Bengtsons) <ul style="list-style-type: none"> • <i>Clarence and Ilene Bengtson were long time supporters of the community, the church, and the youth of Brooks and surrounding area, until their respective passings on August 1, 1996 and September 2, 2002</i> 	Value: \$250	<ul style="list-style-type: none"> • Students who have graduated from a high school in the Grasslands Regional School Division • Preference to students with second- or third-year standing 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Capstone Scholarship in Integrative Thinking (Anonymous)	Value: \$250	<ul style="list-style-type: none"> Continuing or graduating students who have completed a full course load (30.0 credit hours) in the Fall and Spring semesters including Liberal Education courses 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
French Club Prize (Department of Modern Languages) <ul style="list-style-type: none"> 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: \$250	<ul style="list-style-type: none"> Continuing students involved in the ULSU French Club 	<ul style="list-style-type: none"> Significant contributions to the French presence on campus as measured by volunteer effort and leadership in club activities Academic achievement in French courses offered by the Department of Modern Languages 	<ul style="list-style-type: none"> Not required Selection by committee of DELF-DALF Executive and French Club Coordinator
Charles Anthony Munson Memorial Prize in French (Joanne Zaborowski) <ul style="list-style-type: none"> Created to inspire students to excel in studying languages and diverse cultures. Charles Munson, former UofL student, dreamed of studying languages and becoming an interpreter 	Value: \$250	<ul style="list-style-type: none"> Continuing students in an undergraduate degree program 	<ul style="list-style-type: none"> Academic achievement in French 3001, Advanced Language I completed in the most recent Fall or Spring semesters 	<ul style="list-style-type: none"> Not required Nominated by the Department of Modern Languages
James and Isabelle Norrie Memorial Award in Agricultural Management (Laurel Chapter No. 43, Order of Eastern Star)	Value: \$250	<ul style="list-style-type: none"> Must have completed a minimum of 10 UofL semester courses and enrolled in any degree program Intend to pursue a career related to agriculture 	<ul style="list-style-type: none"> Academic achievement Financial need Preference to a graduate of an Alberta high school, then to an Alberta resident as defined by Alberta Students Finance 	<ul style="list-style-type: none"> May 1
ORS Residence Citizenship Award (Organization of Residence Students)	Value: \$250 Number: Two	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Must have a minimum 2.5 cumulative GPA and demonstrated active and outstanding commitment to residence living and the ORS philosophy The recipient may not be an officer of Residence Council 	<ul style="list-style-type: none"> May 1 Application must include: a resumé detailing residence involvement and two letters of reference from ORS members Personal interviews may be requested

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
ORS Greatest Scholastic Achievement Award (Organization of Residence Students)	Value: \$250 Number: Two	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Must have a minimum 2.3 cumulative GPA and a minimum of 9.0 credit hours in each of the previous four academic semesters Achieved the greatest GPA increase over two full-time academic years 	<ul style="list-style-type: none"> May 1
David B. Carpenter Award (Mr. and Mrs. D.B. Carpenter)	Value: \$200	<ul style="list-style-type: none"> Students who have completed at least 16 semester courses 	<ul style="list-style-type: none"> Academic achievement Demonstrated interest in water resource issues 	<ul style="list-style-type: none"> May 1
International Student Memorial Scholarship (Endowed by friends of Foreign Students)	Value: \$200	<ul style="list-style-type: none"> Visa students 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
APPI Book Prize (Alberta Professional Planners Institute)	Value: A book pertaining to planning, up to a value of \$250	<ul style="list-style-type: none"> Continuing students enrolled in Geography 2535 (Introduction to Planning) 	<ul style="list-style-type: none"> Highest academic achievement in Geography 2535 (Introduction to Planning) in either the Fall or Spring semesters 	<ul style="list-style-type: none"> Not required Nominated by the Department of Geography in the Spring semester
Prize of the Ambassador of Switzerland to Canada (Embassy of Switzerland)	Value: A book prize of French language	<ul style="list-style-type: none"> Students who have excelled in language, culture, or literature courses in French 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Prize of the Ambassador of Switzerland to Canada (Embassy of Switzerland)	Value: A book prize of German language	<ul style="list-style-type: none"> Students who have excelled in language, culture, or literature courses in German 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Prize of the Ambassador of Germany to Canada (Embassy of Germany)	Value: A book prize of German language	<ul style="list-style-type: none"> Students who have excelled in language, culture, or literature courses in German 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
b. Arts and Science				
Please note that the eligibility and tenure conditions set out in the general criteria under Section 4 - Undergraduate Awards (p. 475) 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.				
Arthur J.E. Child Award in Economics, English, and History (Arthur J.E. Child Foundation) <ul style="list-style-type: none"> 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 	Value: One at \$10,000 or two at \$5,000 for each of the three majors: Economics, English, and History. (Total value: \$30,000)	<ul style="list-style-type: none"> Continuing undergraduate or graduate students with a major in Economics, English, or History 	<ul style="list-style-type: none"> Academic achievement Financial need Community involvement 	<ul style="list-style-type: none"> May 1 Departments of Economics, English, and History will nominate from eligible applicants
CAPP/SEPAC Scholarship (CAPP/SEPAC Scholarship Fund)	Value: \$5,000 Number: Four	<ul style="list-style-type: none"> Must have successfully completed the pre-Engineering transfer program and intend to continue studies in Engineering at the UofA 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Payable upon confirmation of full-time enrolment at the University of Alberta
William Elichen Scholarship (Mr. William (Bill) Elichen)	Value: \$3,000	<ul style="list-style-type: none"> Students who have completed at least 19 courses at the UofL Preference to students who have a demonstrated interest in Slavic culture 	<ul style="list-style-type: none"> Academic achievement Intent to pursue a medical career 	<ul style="list-style-type: none"> May 1
French Visiting Student Travel Award (DELF-DALF French Language Proficiency Centre) (Department of Modern Languages) <ul style="list-style-type: none"> 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: Variable, (\$12,000 maximum fund - the Selection Committee will decide the value of each award) Number: All who qualify	<ul style="list-style-type: none"> Students enrolled in French 2250 (France or Quebec) 	<ul style="list-style-type: none"> Academic achievement, particularly in completed French courses; (minimum GPA of 2.00) 	<ul style="list-style-type: none"> Not required

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Honourable Lawrence David MacLean, Q.C. Memorial Award for Service (Davidson & Williams, LLP) <ul style="list-style-type: none"> Established in memory of Justice L.D. MacLean 	Value: \$3,000 (\$1,000 each year for three consecutive years)	<ul style="list-style-type: none"> Second-year students continuing in any undergraduate degree program in the Faculty of Arts and Science Permanent home address or parents residing in southern Alberta (south of Calgary) Attending Lethbridge campus 	<ul style="list-style-type: none"> Demonstrated community involvement Academic good standing (minimum GPA of 2.0) For renewal of the award in subsequent years; recipient must maintain a minimum 2.0 GPA and completion of a minimum 24.0 credit hours at the UofL during the previous Fall/Spring semesters 	<ul style="list-style-type: none"> May 1
Bill Cade and Elsa Salazar Cade Scholarship In Evolutionary Ecology (Dr. and Mrs. Cade)	Value: \$2,500 Number: Two	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement One award: financial need and academic achievement 	<ul style="list-style-type: none"> May 1 Nominated by the Department of Biological Sciences
Dr. Marshall Nelson Grant Memorial Award (Estate of Dr. Marshall Nelson Grant) <ul style="list-style-type: none"> Dr. Grant was a life-long agricultural researcher employed at the Lethbridge Research Station with a particular interest in developing and licensing different strains of winter wheat 	Value: \$2,500	<ul style="list-style-type: none"> Students majoring in Agricultural Studies or Agricultural Biotechnology 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Martin Oordt Scholarship (The Meliorist Publishing Society) <ul style="list-style-type: none"> Martin Oordt is a UofL Professor Emeritus and is largely responsible for the birth of The Meliorist 	Value: \$2,000	<ul style="list-style-type: none"> Students enrolled in Arts and Science or Education programs with a declared major in English Graduate students may also be considered 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) A proven interest in creative writing 	<ul style="list-style-type: none"> May 1
Remote Sensing Award (Dr. Philippe Martin Teillet) <ul style="list-style-type: none"> Dr. Philippe M. Teillet worked as a Research Scientist for Natural Resources Canada from 1977 to 2006 and is now assisting the UofL in its role as a world leader in the area of remote sensing research and education 	Value: \$1,000	<ul style="list-style-type: none"> Full-time continuing or graduating undergraduate Arts and Science students First preference to Remote Sensing majors; second preference to Physics majors 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0, 60 percent course load) Financial need 	<ul style="list-style-type: none"> May 1 (continuing students) Not required for graduating students (must have acquired a government student loan in the last academic year)

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Alcoa Foundation/ Kawneer Company Canada Ltd. Environmental Science Scholarship (Kawneer Company Canada Ltd.)	Value: \$1,500 Number: Five	<ul style="list-style-type: none"> • Full-time continuing students majoring in Environmental Science 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Wind River Glass Ltd. Award (Wind River Glass Ltd.)	Value: \$1,500 Number: Four	<ul style="list-style-type: none"> • Continuing students in a B.A. program 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Financial need 	<ul style="list-style-type: none"> • May 1
Andrew and Rheta Anderson Memorial Scholarship (Rheta Anderson and Murray Anderson) <ul style="list-style-type: none"> • <i>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</i> 	Value: \$1,000	<ul style="list-style-type: none"> • Students enrolled in a B.Sc. program with a major in Neuroscience • Completed a minimum of 20 semester courses 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Bayer CropScience Award (Bayer CropScience)	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement • Community involvement 	<ul style="list-style-type: none"> • May 1
BioAlberta Award in Agricultural Biotechnology (BioAlberta) <ul style="list-style-type: none"> • <i>BioAlberta supports the development of a thriving and globally competitive life sciences industry in Alberta</i> 	Value: \$1,000	<ul style="list-style-type: none"> • Third or fourth-year students majoring in Agricultural Biotechnology 	<ul style="list-style-type: none"> • Academic achievement • Preference given to those who completed a co-op term 	<ul style="list-style-type: none"> • May 1
CropLife Canada Alberta Chapter—"Sustaining Agriculture" Scholarship (CropLife Canada Alberta Chapter)	Value: \$1,000	<ul style="list-style-type: none"> • Students majoring in Agricultural Studies, Agricultural Biotechnology, or Environmental Science • Career interest in the Agriculture sector 	<ul style="list-style-type: none"> • Academic achievement • Preference given to those with campus involvement in clubs, athletics, the Students' Union, etc. 	<ul style="list-style-type: none"> • 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Lubov Alexandra de Grandmaison Scholarship - Native American Studies (Endowed by the late Lubov Alexandra de Grandmaison) • <i>Lubov Alexandra de Grandmaison bestowed to the UofL Art Collection 10 pastel drawings by her late father, Nicholas de Grandmaison</i>	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> • Native students majoring in Native American Studies 	<ul style="list-style-type: none"> • Academic achievement • Financial need may be considered 	<ul style="list-style-type: none"> • May 1
Johan F. Dormaar Memorial Award (Family and friends of Johan/John Dormaar)	Value: \$1,000	<ul style="list-style-type: none"> • Continuing students with a major in Geography, Archaeology and Geography or Environmental Science • Completion of an independent study or substantial course project in the Geography Department, during the most recent academic year • Must involve a substantial amount of field-based primary research 	<ul style="list-style-type: none"> • Academic achievement in the independent study or course project 	<ul style="list-style-type: none"> • Not required • Nominated by the Department of Geography
Growing Alberta Student Award (Growing Alberta)	Value: \$1,000	<ul style="list-style-type: none"> • Third- or fourth-year students majoring in Agricultural Studies or Agricultural Biotechnology 	<ul style="list-style-type: none"> • Academic achievement • Financial need • Preference given to permanent residents of Alberta • Community/agriculture leadership activities 	<ul style="list-style-type: none"> • May 1
Justice Vaughan and Marilyn Hembroff Award (Justice and Mrs. Hembroff)	Value: \$1,000	<ul style="list-style-type: none"> • Continuing students with a declared major in English 	<ul style="list-style-type: none"> • Academic achievement • Financial need 	<ul style="list-style-type: none"> • May 1
Kay Kerr Neuroscience Research Award (Kay Kerr) • <i>Kay Kerr is cognizant of the important research by Dr. Bryan Kolb and wishes to provide assistance to students who want to continue in this research</i>	Value: \$1,000	<ul style="list-style-type: none"> • Students majoring in Psychology or Neuroscience who are participating in UofL research • Research must be in stroke recovery, effects of drug addiction to the brain, and/or other neurological disorders 	<ul style="list-style-type: none"> • Outstanding contribution to research • Academic achievement 	<ul style="list-style-type: none"> • May 1 • Nominated by the Departments of Psychology and Neuroscience
Ruby I. Larson Biological Research Aptitude Scholarship (Endowed by Dr. Ruby I. Larson)	Value: \$1,000	<ul style="list-style-type: none"> • Students majoring in Biology or in Biology and another science with a minimum of 29 courses 	<ul style="list-style-type: none"> • The student who, in the opinion of the staff of the Department of Biological Sciences, has the greatest potential for biological research 	<ul style="list-style-type: none"> • Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Lethbridge Real Estate Board Agricultural Award (Lethbridge Real Estate Board Co-op Limited)	Value: \$1,000	<ul style="list-style-type: none"> Students with a declared major in Agricultural Studies or Agricultural Biotechnology who have completed at least 24.0 credit hours 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Alfred and Blanche McGuire Memorial Award (Endowed by the late Mrs. Lois Millican)	Value: \$1,000 Number: Three	<ul style="list-style-type: none"> Must have completed a minimum of 29 semester courses in a degree program in the Faculty of Arts and Science 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Timothy Reuter Medieval History Scholarship (Kriston Rennie and Brenda Rennie) <ul style="list-style-type: none"> Timothy Reuter (1947-2002) – was a specialist in medieval German History of the Ottonian and Salian periods. Kriston (BA '00), is a professor at the University of Queensland. Brenda is executive director of the ULFA 	Value: \$1,000	<ul style="list-style-type: none"> Continuing students in third- or fourth-year of a Bachelor of Arts program, majoring in History 	<ul style="list-style-type: none"> Highest academic achievement in Medieval or Early Modern European History courses 	<ul style="list-style-type: none"> Not required Nominated by the Department of History
Ricoh Environmental Science Scholarship (Ricoh Canada Inc.)	Value: \$1,000	<ul style="list-style-type: none"> Third- or fourth-year students with a major in Environmental Science 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
William Ruryk Award in Agriculture (Estate of Victor Nicholas Ruryk) <ul style="list-style-type: none"> Established through a bequest from Victor Ruryk in honour of his uncle's botanical gardening business 	Value: \$1,000	<ul style="list-style-type: none"> Continuing students majoring in Agricultural Studies or a related field and who intend to use their education in the agricultural sector 	<ul style="list-style-type: none"> Financial need Academic achievement Preference may be given to a member of the Agriculture Students Society 	<ul style="list-style-type: none"> May 1 Statement of career intention in agricultural sector
Lawrence O. Smith Memorial Award (Oldman River Regional Service Commission) <ul style="list-style-type: none"> Lawrence O. Smith served as Executive Director of the Oldman River Regional Planning Commission (1972-1987) 	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> A minimum of 20 graded semester courses with a declared major in Urban and Regional Studies 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
UFA Agriculture Award (United Farmers of Alberta Cooperative Limited)	Value: \$1,000 Number: Four	<ul style="list-style-type: none"> Continuing students majoring in Agricultural Studies or Agricultural Biotechnology. Post-diploma students may qualify in their first year at the UofL AGVANTAGE 25 UFA members 	<ul style="list-style-type: none"> Academic achievement Demonstrated leadership ability 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students)

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Urban and Regional Studies Prize (Alberta Professional Planners Institute)	Value: \$1,000	<ul style="list-style-type: none"> Urban and Regional Studies graduates with a Bachelor of Arts or a Bachelor of Science 	<ul style="list-style-type: none"> Highest cumulative grade point average in either the Fall or Spring Convocation (October or June) 	<ul style="list-style-type: none"> Not required
Scholarship in Agriculture (Endowed by the late Mrs. Eugene Schulz)	Value: \$800	<ul style="list-style-type: none"> Must have completed first year of study and have been enrolled in courses related to agriculture 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Diana Cooper Memorial Scholarship (Endowed by Diana Cooper) <ul style="list-style-type: none"> Donated by Diana Cooper in the hope that the dedication and caring which she has shown in her community work and volunteer activities, particularly relating to women's issues and research, will be an inspiration to others 	Value: \$750	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Preference to a student who has demonstrated an interest in Social Sciences through volunteer community service 	<ul style="list-style-type: none"> May 1
APEGGA N.H. Bradley, P.Eng., Memorial Scholarship (The Association of Professional Engineers, Geologists and Geophysicists of Alberta) <ul style="list-style-type: none"> N.H. Bradley, P.Eng., spent most of his professional career working in southern Alberta specializing in civil engineering and land surveying 	Value: \$700	<ul style="list-style-type: none"> Students who have completed the pre-Engineering transfer program at the UofL and who intends to continue studies in Engineering at the UofA Preference to students planning to pursue studies in civil or survey engineering 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Students who have graduated from a high school in Southern Alberta and who are enrolled in a Bachelor of Science program 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Alberta Institute of Agrologists Agriculture Award (Alberta Institute of Agrologists, Lethbridge Branch) <ul style="list-style-type: none"> The AIA is an organization of university-trained professionals that protects the public interest by ensuring its members are qualified and competent to provide knowledge of and advice on agriculture, food, and associated natural resources 	Value: \$500	<ul style="list-style-type: none"> Fourth-year students who have completed 30 courses toward an Agricultural Studies or Agricultural Biotechnology degree at the UofL Student membership in AIA 	<ul style="list-style-type: none"> Community involvement or employment in agriculture-related activities Financial need Academic achievement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Islay Arnold Memorial Award (Friends and family of Islay Arnold) <ul style="list-style-type: none"> Established in memory of Islay Arnold, Chancellor Emerita and champion for liberal arts education at the UofL 	Value: \$500	<ul style="list-style-type: none"> Continuing undergraduate students in the Faculty of Arts and Science pursuing a General Major in the Humanities 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need 	<ul style="list-style-type: none"> May 1
Archaeological Society of Alberta (Lethbridge) Scholarship (Archaeological Society of Alberta, Lethbridge Centre)	Value: \$500	<ul style="list-style-type: none"> Preference to graduate students with a major in archaeology Third- or fourth-year undergraduate students with a major in archaeology 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Arts and Science Award of Excellence (UofL alumni and friends)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Continuing students in the Faculty of Arts and Science 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by the Faculty of Arts and Science
Kalen Brown Memorial Award (Family and friends of Kalen Brown) <ul style="list-style-type: none"> Kalen Brown lost a brave fight to Ewings Sarcoma in 1996 at the age of 16. It is hoped that as the understanding of biochemistry grows, treatments will be developed to save children like Kalen 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1 Nominated by the Faculty of Arts and Science
Patrick Chan Award in Sustainable Agriculture (Dan Johnson and others in remembrance of Patrick Chan) <ul style="list-style-type: none"> Established in memory of Patrick Chan (1980-2009), a graduate of the UofL, B.Sc. 2009. He was well-known on campus because of his friendly disposition, generous spirit and dedication to research 	Value: \$500	<ul style="list-style-type: none"> Continuing undergraduate students with an interest in sustainable agriculture Completion of or registered in an independent or applied study course related to the study or promotion of sustainable agriculture 	<ul style="list-style-type: none"> Academic achievement Potential for sustainable agriculture research 	<ul style="list-style-type: none"> Not required Selection by committee within the Faculty of Arts and Science
Lubov Alexandra de Grandmaison Scholarship - Part-Time Studies in Native American Studies (Endowed by the late Lubov Alexandra de Grandmaison) <ul style="list-style-type: none"> Lubov Alexandra de Grandmaison bestowed to the UofL Art Collection 10 pastel drawings by her late father, Nicholas de Grandmaison 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Financial need may be considered 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Trevor J.O. Dick Economic Memorial Scholarship (Mrs. Nancy Dick and Friends) <ul style="list-style-type: none"> • <i>Dr. Trevor Dick was a professor in the Economics Department at the UofL from 1976 until his retirement in 2000</i> 	Value: \$500	<ul style="list-style-type: none"> • Graduating economics majors who have been accepted to a university program leading to a graduate degree in economics 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required
James R. Genge Work Experience Scholarship (Endowed by Dr. Jennifer Mather in memory of her late father)	Value: \$500	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Exceptional work experience evaluation 	<ul style="list-style-type: none"> • Not required
Mr. Merv Leitch Memorial Scholarship in Chemistry (Mrs. Ardine Leitch and Alberta Energy) <ul style="list-style-type: none"> • <i>In memory of the Honourable Mr. Merv Leitch for his outstanding contributions to the furthering of oil sand technology in Alberta</i> 	Value: \$500	<ul style="list-style-type: none"> • A minimum of 20 semester courses • A declared major in Chemistry 	<ul style="list-style-type: none"> • Academic achievement • Potential for chemical research 	<ul style="list-style-type: none"> • May I
Paul D. Lewis Memorial Biology Award (Dr. Margaret Lewis, Family and Friends)	Value: \$500	<ul style="list-style-type: none"> • Third- or fourth-year students with a major in biological science 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Greatest potential for biological science research 	<ul style="list-style-type: none"> • May I
Outstanding Achievement in the Humanities Scholarship (Numerous donors) <ul style="list-style-type: none"> • <i>The purpose of the award is to underline the value of excelling in the Humanities and to encourage gifted students to consider making a career in these disciplines</i> 	Value: \$500	<ul style="list-style-type: none"> • Continuing students entering the fourth year of study, majoring in a discipline in the Humanities • Preference will be given to students majoring in English, Modern Languages, Philosophy, History, or Religious Studies 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
Richard Painter Memorial Scholarship (Endowed by Mrs. Hannah Painter in memory of her late husband)	Value: \$500	<ul style="list-style-type: none"> • Must have a major in a program related to agriculture and intend to pursue a career in an agricultural profession 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
Paterson and Husky Energy Scholarship (Husky Energy) <ul style="list-style-type: none"> • <i>Gordon Paterson was an active member of both the Lethbridge and southern Alberta communities</i> 	Value: \$500	<ul style="list-style-type: none"> • Full-time students majoring in Environmental Science 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Political Science Graduate Studies Award (Alan Siaroff)	Value: \$500	<ul style="list-style-type: none"> • Graduating students or B.A. degree holders (from the UofL) 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 • Preference to recent grads (within three years of B.A. completion) 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.3) 	<ul style="list-style-type: none"> • Not required • Nominated by the Department of Political Science
Rogers Sugar Scholarship (Rogers Sugar Ltd.)	Value: \$500 Number: Two	<ul style="list-style-type: none"> • Students majoring in Chemistry or Physics 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Joe Rood Memorial Scholarship in Physics (Friends and Family of Joe Rood) <ul style="list-style-type: none"> • <i>Joe Rood was a founding member of the University of Lethbridge. As a professor and a long-serving Chair, Joe was instrumental in building a strong Physics Department</i> 	Value: \$500	<ul style="list-style-type: none"> • Third- or fourth-year students majoring in Physics, Chemistry, Geography, or other Physical Sciences • Must have completed both Physics 1000 or Physics 1050 and Physics 2000 	<ul style="list-style-type: none"> • Academic achievement • Greatest potential for research in the Physical Sciences 	<ul style="list-style-type: none"> • Not required
William Stafford Russell Scholarship (Torry Lewis Abells, Lawyers)	Value: \$500	<ul style="list-style-type: none"> • Must be enrolled in a degree program with the intention of pursuing a Law degree 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Marvin Sundstrom Memorial Scholarship (Elke Sundstrom) <ul style="list-style-type: none"> • <i>In 1967, Dr. Sundstrom joined the UofL as an Assistant Professor. At the time of his passing, in 1994, he was Assistant Dean (Finance) in the Faculty of Arts and Science</i> 	Value: \$500	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Dr. James D. Tagg History and Citizenship Award (Czechoslovak Canadian Cultural Society of Southern Alberta, and friends) <ul style="list-style-type: none"> • <i>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</i> 	Value: \$500	<ul style="list-style-type: none"> • Continuing undergraduate or graduate students majoring in History 	<ul style="list-style-type: none"> • Academic achievement • Community involvement 	<ul style="list-style-type: none"> • May 1 • Nominated by the Department of History

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Jerome and Ann Weintraub Memorial Scholarship (Ruth Coppens, David, Sara, and Barry Weintraub) <ul style="list-style-type: none"> <i>The Weintraubs' deep appreciation for the impact a university education has on personal, social, and career development made them cherish their own university experiences as highlights of their lives</i> 	Value: \$500	<ul style="list-style-type: none"> Enrolled in a Bachelor of Science program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Dr. Barbara June Whitlock Chemistry Scholarship (Muriel Shortreed) <ul style="list-style-type: none"> <i>In honour of Barbara June Whitlock, sister of Muriel Shortreed, and to encourage gifted students to continue in graduate studies in Chemistry</i> 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Agricultural Studies Book Prize (Pioneer Hi-Bred Dupont Limited)	Value: \$300 Number: Two (one each for Agricultural Studies and Agricultural Biotechnology)	<ul style="list-style-type: none"> Agricultural Studies majors who have completed Agricultural Studies 4000, or Agricultural Biotechnology majors who have completed Biology 4100 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Chinook Chemistry and Biochemistry Prizes (Faculty/Staff in the Department of Chemistry and Biochemistry) <ul style="list-style-type: none"> <i>Leading-edge research involving students is a hallmark of the UofL. This prize is to recognize the significant contributions our students make in research</i> 	Value: \$300 for first prize \$100 for second prize Number: Four first prizes Four second prizes	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Completion and participation in the Chinook Symposium poster competition 	<ul style="list-style-type: none"> Not required Nominated by the Department of Chemistry and Biochemistry
Loren Hepler Memorial Scholarship (Family and Friends of Dr. Loren Hepler) <ul style="list-style-type: none"> <i>Dr. Loren Hepler was a faculty member in the Department of Chemistry at the UofL from 1968 to 1983</i> 	Value: \$300	<ul style="list-style-type: none"> Must be enrolled in the Faculty of Arts and Science with a declared major in Chemistry Minimum second-year standing 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Elmer Marquardson Research Scholarship (Mrs. B. Glass, in loving memory of her father) <ul style="list-style-type: none"> Dedicated to the memory of Mr. Elmer Marquardson, a Stirling pioneer 	Value: \$300	<ul style="list-style-type: none"> Must have completed 19 semester courses in the Faculty of Arts and Science First consideration to studies in dairy cattle or hardy fruits 	<ul style="list-style-type: none"> Academic achievement A proven interest in agricultural research with a particular interest in topics which will benefit southern Alberta agriculture 	<ul style="list-style-type: none"> May 1
Carol Braat Memorial Prize in Biochemistry (Family and Friends of Carol Braat) <ul style="list-style-type: none"> Carol Braat graduated from the UofL in May 1991 with a Bachelor of Science degree majoring in Biochemistry 	Value: \$250	<ul style="list-style-type: none"> Must have a declared major in either Biochemistry or Chemistry Preference to students whose permanent address is south of Calgary 	<ul style="list-style-type: none"> Academic achievement Community involvement 	<ul style="list-style-type: none"> May 1
Dieter Mueller Memorial Prize in History (Endowed by friends of the late Dieter Mueller)	Value: \$250	<ul style="list-style-type: none"> The student deemed most deserving by the Department of History 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Biology Graduate Research Symposium Prize for Research Achievement (Faculty/Staff in the Department of Biological Science) <ul style="list-style-type: none"> Novel research involving graduate or undergraduate students is a hallmark of the UofL. This prize is to recognize the significant contributions our students make in research 	Value: \$200 for first prize \$100 for second prize Number: 2 first prizes (one poster, one oral presentation) 2 second prizes (one poster, one oral presentation)	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Best symposium presentation (oral or poster) 	<ul style="list-style-type: none"> Not required Symposium judges determine prizes
Dr. John Morgan Book Prize (Family of Dr. John Morgan)	Value: \$200 bookstore gift card	<ul style="list-style-type: none"> Must have completed a minimum of 10 semester courses at the UofL and enrolled in a B.Sc. program Preference to those pursuing a medical degree 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Silverwings Physical Education Prize (Endowed by Jess Anderson) <ul style="list-style-type: none"> Funds were donated to encourage training and development of individuals dedicated to the coaching of young children 	Value: \$200	<ul style="list-style-type: none"> A minimum of 18.0 credit hours in the previous Fall and Spring semesters Must have a declared major in Kinesiology 	<ul style="list-style-type: none"> Academic achievement Must be involved with, or enrolled in, courses related to gymnastics, coaching or individual pursuit sports 	<ul style="list-style-type: none"> May 1 Must include a letter of recommendation from an individual who is qualified to evaluate the student's physical education career goals in the coaching and/or teaching of young children in sports

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Luke Stebbins Prize for Undergraduate Research Achievement (Faculty/Staff in the Department of Biological Sciences) <ul style="list-style-type: none"> • <i>Novel research involving undergraduate students is a hallmark of the UofL. This prize is to recognize the significant contributions our students make in research</i> 	Value: \$200 for first prize \$100 for second prize Number: Two first prizes Two second prizes	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Best symposium presentation 	<ul style="list-style-type: none"> • Not required • Symposium judges determine prizes
Psychology Prize (Dr. Bryan Kolb)	Value: \$100	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement in courses taken from the Departments of Psychology and Neuroscience 	<ul style="list-style-type: none"> • Not required
Academic Award in Geography Book Prize (Department of Geography)	Value: A book chosen by the Department of Geography	<ul style="list-style-type: none"> • Must be a minimum of third-year standing with a major in geography 	<ul style="list-style-type: none"> • Sustained academic achievement based on grades attained up to the previous Fall semester 	<ul style="list-style-type: none"> • Not required • Selected and awarded in Spring
James H. Gray Book Prize in Western Canadian History (Dr. James H. Gray)	Value: A book or book set of western Canadian history	<ul style="list-style-type: none"> • Full-time students enrolled in courses emphasizing western Canadian history 	<ul style="list-style-type: none"> • Academic achievement in the western Canadian history course or courses 	<ul style="list-style-type: none"> • Not required
S.W. Jackman Book Prize in British History (Dr. S.W. Jackman)	Value: A book of British history	<ul style="list-style-type: none"> • Students who have excelled in the study of British history 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required
Joanna Morgan Book Prize in Literature (Family of Joanna Morgan) <ul style="list-style-type: none"> • <i>Donated in memory of Joanna Morgan, a journalist from Lethbridge, in recognition of her love of literature</i> 	Value: A book or book set pertaining to literature	<ul style="list-style-type: none"> • Declared English majors who have completed at least 29 semester courses 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Dr. G.E. Orchard Book Prize in Russian History (Dr. G.E. Orchard)	Value: A book or book set of Russian or Soviet history	<ul style="list-style-type: none"> • Full-time students enrolled in the Russian history survey course 	<ul style="list-style-type: none"> • Academic achievement in the Russian history survey course 	<ul style="list-style-type: none"> • Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
c. Education				
Please note that the eligibility and tenure conditions set out in the general criteria under Section 4 - Undergraduate Awards (p. 475) pertain unless otherwise stated. All awards are payable to students enrolled in full-time studies in Education at the University of Lethbridge in the Fall semester immediately following the granting of the award, unless otherwise stated.				
Winogene Brandow Carpenter Award in Education (Dr. and Mrs. William B. Carpenter and family) • <i>This award is in honour of Winogene Brandow Carpenter, a dedicated and caring Alberta teacher</i>	Value: \$2,400 Number: Variable	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Academic achievement Financial need 	• May 1
Lethbridge ATA Local 41 Scholarship (Lethbridge Alberta Teachers' Association, Local 41)	Value: \$1,500 Number: Two	<ul style="list-style-type: none"> Students entering the Faculty of Education who have attended high school within the Lethbridge Public School System 	<ul style="list-style-type: none"> Academic achievement 	• May 1
Peter and Margaret Veer Memorial Award (Ens family) • <i>In remembrance of Peter and Margaret Veer who selflessly contributed to their community and society</i>	Value: \$1,500	<ul style="list-style-type: none"> Students entering the Faculty of Education 	<ul style="list-style-type: none"> Academic achievement Financial need Good citizenship demonstrated through community involvement 	• May 1
Elmer and Ida Wiens Faculty of Education Bursary (Estate of Ida Wiens) • <i>Ida taught school from 1944 until she retired in 1980 after which she travelled extensively with her husband, Elmer. Their generosity will support and encourage Education students</i>	Value: \$1,500 Number: Variable	<ul style="list-style-type: none"> Students enrolled in a B.Ed. program 	<ul style="list-style-type: none"> Financial need 	• May 1
French Teacher Education Award (Department of Modern Languages) • <i>Established through the DELF-DALF Centre in the Department of Modern Languages thanks to a grant from COLEP (Canada-Alberta Official Languages Education Protocol)</i>	Value: \$1,250 Number: Variable	<ul style="list-style-type: none"> B.Ed. students majoring in Modern Languages Education: French or French/Spanish or French/German Completion of PSI 	<ul style="list-style-type: none"> Academic achievement Successful completion of DELF (Diplôme d'Etudes de Langue Française) B1 or higher 	• Not required
Inez and Maybelle Strong Award in Education (Maybelle Strong Lockhart and John Lockhart)	Value: \$1,250	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Community involvement 	• May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Jill Kotkas Music Education Award (Jill Kotkas)	Value: \$1,000	<ul style="list-style-type: none"> • Third- or fourth-year students in the Faculty of Education with a major or minor in Music 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Financial need 	<ul style="list-style-type: none"> • May 1
Dr. Helen Manyfingers/ Alumni Association Education Award (Dr. Helen Manyfingers and UofL Alumni Association) <ul style="list-style-type: none"> • <i>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 UofL honorary degree</i> 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Financial need • Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> • May 1
Wigham Family Bursary (Darol and Ev Wigham)	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • 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; PSII, \$500; PSII and financial need, \$1,000; PSIII rural placement, \$1,000; PSIII, \$500 Number: Six	<ul style="list-style-type: none"> • B.Ed. students registered in PSI, PSII, or PSIII 	<ul style="list-style-type: none"> • PSI entrance, PSII, and PSIII: academic achievement • PSI entrance, PSII: academic achievement and financial need • PSIII rural placement: academic achievement and teaching placement in a rural school 	<ul style="list-style-type: none"> • 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; PSII, \$500; PSII and financial need, \$1,000; PSIII, \$500; PSIII and financial need, \$1,000 Number: Six	<ul style="list-style-type: none"> • B.Ed. students registered in PSI, PSII, or PSIII • First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> • PSI, PSII, and PSIII: academic achievement • PSI, PSII, and PSIII: academic achievement and financial need 	<ul style="list-style-type: none"> • May 1
Alberta Retired Teachers' Association Scholarship (Endowed by the Alberta Retired Teachers' Association) <ul style="list-style-type: none"> • <i>Members of ARTA are demonstrating their continued commitment to the profession of teaching by establishing this award</i> 	Value: \$500	<ul style="list-style-type: none"> • Students who have successfully completed the Professional Semester II requirements in the previous Fall or Spring semesters 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated excellence in student teaching • Consideration may also be given to extracurricular activities related to establishing teaching experience 	<ul style="list-style-type: none"> • May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Education Award of Excellence (UofL alumni and friends)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Continuing students in the Faculty of Education 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by the Faculty of Education
EUS Tutoring Scholarship (UofL Education Undergraduate Society)	Value: \$500 Number: Two	<ul style="list-style-type: none"> Successful completion of Professional Semester I 	<ul style="list-style-type: none"> Academic achievement Commitment to the EUS tutoring program Must have tutored with the program for at least two semesters 	<ul style="list-style-type: none"> May I
Dorothy Gooder Prize (People First Association of Lethbridge)	Value: \$500	<ul style="list-style-type: none"> 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 Preference will be given to candidates interested in working with students with mental handicaps 	<ul style="list-style-type: none"> Academic achievement Must show an interest, demonstrated through course work in Special Education and experience with children with special needs during Professional Semester III 	<ul style="list-style-type: none"> Not required
Julian Guay Memorial Biology Education Scholarship (Family and Friends of Dr. Julian Guay) <ul style="list-style-type: none"> <i>Dr. Julian Guay was a Professor in the Faculty of Education from 1968 to 1995</i> 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Kimmitt Scholarship (Endowed by Robert Kimmitt) <ul style="list-style-type: none"> <i>Mr. Kimmitt began his teaching career in the 1930s in rural Alberta. He worked to establish the Lethbridge Community College, and has served in many volunteer leadership positions</i> 	Value: \$500 Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Excellence in student teaching Academic achievement 	<ul style="list-style-type: none"> May I
Joan Johnson Memorial Scholarship in Art Education (Endowed by Dr. Neal Johnson and Mrs. Jennie Emery in memory of Joan Johnson) <ul style="list-style-type: none"> <i>Donated in memory of Joan Johnson, weaver and artist</i> 	Value: \$500	<ul style="list-style-type: none"> Students in the Faculty of Education with a declared major in Art First preference to applicants in Professional Semester I 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May I

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Ruby I. Larson Scholarship in Education (Teaching of the Gifted and Talented) (Dr. Ruby I. Larson)	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Elizabeth Stott Memorial Award (Family of Elizabeth Stott) <ul style="list-style-type: none"> <i>In honour of Elizabeth Stott who was a dedicated schoolteacher in Lethbridge for over 25 years</i> 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Financial need Academic achievement 	<ul style="list-style-type: none"> May 1
ULSU Emerging Teachers Award (The Students' Union, UofL) <ul style="list-style-type: none"> <i>Established to encourage student involvement and to assist Education students with the cost of PSIII and in their first year of teaching</i> 	Value: \$500	<ul style="list-style-type: none"> Continuing students in the Faculty of Education, beginning final year, registered for PSIII 	<ul style="list-style-type: none"> Successful completion of PSII Involvement in on-campus activities in the Faculty of Education, EUS or ULSU Academic achievement 	<ul style="list-style-type: none"> May 1
Phi Delta Kappa Education Scholarship (Southern Alberta Chapter of Phi Delta Kappa)	Value: \$250 Number: Two	<ul style="list-style-type: none"> Students enrolled in Professional Semester I in the Fall or Spring semesters preceding the award 	<ul style="list-style-type: none"> Academic achievement Promise of teaching excellence 	<ul style="list-style-type: none"> Not required
Alberta Business Education Association Scholarship (Alberta Business Education Association)	Value: \$200	<ul style="list-style-type: none"> Successfully completed 29 semester courses Preference to candidates who are members of the Alberta Business Education Association 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> May 1
Ruth Chorley Memorial Prize (Endowed by the friends of the late Ruth Chorley)	Value: \$100	<ul style="list-style-type: none"> Must have completed B.Ed. degree requirements during the current academic year with a Professional Semester III focus in Elementary Education 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
EUS Award (UofL Education Undergraduate Society)	Value: \$100 Number: Five	<ul style="list-style-type: none"> Successful completion of Professional Semester I Must be a student member of the EUS and ATA 	<ul style="list-style-type: none"> Academic achievement Financial need Community involvement 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
d. Fine Arts				
Please note that the eligibility and tenure conditions set out in the general criteria under Section 4 - Undergraduate Awards (p. 475) 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				
Agnes Turcotte Memorial Scholarship (Endowed by the late Louis Sherman Turcotte)	Value: \$1,500 Number: Up to three	<ul style="list-style-type: none"> Students majoring in Art, Dramatic Arts or Music in a B.A., B.F.A., or B.Mus. program A minimum of 19 semester courses 	<ul style="list-style-type: none"> Academic achievement Outstanding artistic talent 	<ul style="list-style-type: none"> May 1
Abbondanza Fine Arts Scholarship (Faculty of Fine Arts and Coco Pazzo Italian Café) <ul style="list-style-type: none"> <i>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</i> 	Value: \$500 to \$1,000 Number: Variable	<ul style="list-style-type: none"> Completed at least 29 semester courses toward a B.F.A. (Art, Dramatic Arts, or New Media) or B.Mus. Participation in studio and/or performance-based courses 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.3) Demonstrated excellence in the studio and/or performance-based courses 	<ul style="list-style-type: none"> May 1 Faculty of Fine Arts will nominate from eligible applicants
Faculty of Fine Arts Undergraduate Award (Faculty of Fine Arts)	Value: \$500 - \$1,000 Number: Variable	<ul style="list-style-type: none"> Continuing students in a Faculty of Fine Arts undergraduate degree program 	<ul style="list-style-type: none"> 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)) 	<ul style="list-style-type: none"> Not required
Nancy Jessop Fine Arts Scholarship (Estate of Walter Jessop)	Value: \$750	<ul style="list-style-type: none"> Continuing students enrolled in a B.F.A. or a B.Mus. program 	<ul style="list-style-type: none"> Academic achievement Demonstrated artistic talent 	<ul style="list-style-type: none"> May 1 Faculty of Fine Arts will nominate from eligible applicants
Fine Arts Award of Excellence (UofL alumni and friends)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Continuing students in the Faculty of Fine Arts 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by the Faculty of Fine Arts
Sharon and Art Ferrari Award (Sharon Stevenson-Ferrari and Art Ferrari) <ul style="list-style-type: none"> <i>Sharon Stevenson-Ferrari and Art Ferrari are both alumni and strong supporters of the UofL</i> 	Value: \$500	<ul style="list-style-type: none"> Canadian citizens Must have completed at least 24.0 credit hours while enrolled in the Faculty of Fine Arts 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
The George and Olive Spinks Scholarship in the Fine Arts (George and Olive Spinks)	Value: \$500 Number: One to three, depending on availability of funds	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Potential for growth in Art, Dramatic Arts, or Music 	<ul style="list-style-type: none"> May I
2. Art				
Lubov Alexandra de Grandmaison Scholarship - Fine Arts (Endowed by the late Lubov Alexandra de Grandmaison) <ul style="list-style-type: none"> Lubov Alexandra de Grandmaison bestowed to the UofL Art Collection 10 pastel drawings by her late father, Nicholas de Grandmaison 	Value: \$2,000	<ul style="list-style-type: none"> Native students majoring in Art 	<ul style="list-style-type: none"> Academic and artistic achievement Financial need may be considered 	<ul style="list-style-type: none"> May I
Mary Annis Award in Studio Art (Mary Annis) <ul style="list-style-type: none"> 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: \$1,500	<ul style="list-style-type: none"> At least third-year standing in a B.F.A. (Art), Art Studio major Completion of required Art courses (for year of program) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Separate application required Selection by committee within the Art Department
Visual Arts Founding Faculty Award (Friends of the Art Department Founding Faculty Members) <ul style="list-style-type: none"> Established in appreciation of the first UofL Art Department Faculty including Herb Hicks, Larry Weavers, Billy McCarroll, Jeff Olson, Charlie Crane, Carl Granzow and Pauline McGeorge 	Value: \$1,500	<ul style="list-style-type: none"> Continuing students in any undergraduate degree program who have completed a minimum of 60 credits 	<ul style="list-style-type: none"> Demonstrated achievement in Studio Art courses in traditional media Academic achievement 	<ul style="list-style-type: none"> Not required Nominated and selected by a Faculty of Fine Arts committee
Lubov Alexandra de Grandmaison Scholarship - Part-Time Studies in Fine Arts (Endowed by the late Lubov Alexandra de Grandmaison) <ul style="list-style-type: none"> Lubov Alexandra de Grandmaison bestowed to the UofL Art Collection 10 pastel drawings by her late father, Nicholas de Grandmaison 	Value: \$500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic and artistic achievement Financial need may be considered 	<ul style="list-style-type: none"> May I
Gordon Mantle Memorial Scholarship in Art (Edythe [Mantle] Smith, in loving memory of her husband Gordon)	Value: \$300	<ul style="list-style-type: none"> Preference to students who are completing their first year of study 	<ul style="list-style-type: none"> Academic achievement Aptitude and interest in studio art 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
John Clark Scholarship in Art (Friends and colleagues of John Clark)	Value: \$250	<ul style="list-style-type: none"> Students entering their fourth year of study toward a B.F.A. (Art) degree 	<ul style="list-style-type: none"> Meritorious achievement in painting 	<ul style="list-style-type: none"> Not required
George Varzari Sculpture Award (National Salvage)	Value: \$250	<ul style="list-style-type: none"> Must be presently enrolled in a sculpture course 	<ul style="list-style-type: none"> Outstanding accomplishment in the area of sculpture The work or body of works must have been sculptured during the current academic year 	<ul style="list-style-type: none"> Not required
Department of Art Prize (Department of Art, UofL)	Value: \$100	<ul style="list-style-type: none"> Students with a declared major in Art Preference to students who have completed at least 19 semester courses 	<ul style="list-style-type: none"> Academic achievement Artistic ability 	<ul style="list-style-type: none"> Not required
3. Dramatic Arts				
Dr. Harold Elke Drama Scholarship (Staff of Dr. Harold Elke Dental Centre) <ul style="list-style-type: none"> Established in honour of Dr. Elke by his employees 	Value: \$1,000	<ul style="list-style-type: none"> Third- and fourth-year B.F.A. (Dramatic Arts) students or Post-Diploma B.F.A. (Dramatic Arts) with a minimum of 10 completed UofL courses 	<ul style="list-style-type: none"> Outstanding contribution to production(s) 	<ul style="list-style-type: none"> May 1
Sharon L. Peat Scholarship in Dramatic Arts (Gail A. DeMontigny and friends) <ul style="list-style-type: none"> Gail DeMontigny established this award for her sister, Sharon Peat, in appreciation for Sharon's dedication to dramatic arts in the community 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Leo and Phyllis Singer Award in Costuming (Estate of Phyllis and Leo Singer) <ul style="list-style-type: none"> The Singers were well-known Lethbridge clothiers and long-time supporters of the UofL. An exceptional collection of clothing was donated to the costume shop in addition to establishing this award 	Value: \$1,000	<ul style="list-style-type: none"> Continuing students enrolled in a B.F.A. (Dramatic Arts) Technical/Design major with a focus on costuming 	<ul style="list-style-type: none"> Ability and interest in the costuming area, e.g., sewing, fashion, costume construction, or costume design Academic achievement 	<ul style="list-style-type: none"> Not required
David and Jo Spinks Award in Dramatic Arts (David and Jo Spinks) <ul style="list-style-type: none"> David Spinks was a founding professor and the first Chair of the UofL Dramatic Arts Department. He has a special interest in theatre for young audiences 	Value: \$1,000 Number: Two	<ul style="list-style-type: none"> Third- or fourth-year students in any undergraduate degree program with a drama-related major 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) and a strong participation record in the UofL theatre productions 	<ul style="list-style-type: none"> 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Peter Ustinov Scholarship in Dramatic Arts (Dr. Peter Ustinov)	Value: \$1,000	<ul style="list-style-type: none"> Preference to students who have completed a minimum of 29 semester courses majoring in Dramatic Arts 	<ul style="list-style-type: none"> Academic achievement Artistic ability in Dramatic Arts 	<ul style="list-style-type: none"> Not required
Iwata Award in Dramatic Arts (Mr. Junjiro Iwata)	Value: \$600	<ul style="list-style-type: none"> Students who have completed 19 semester courses majoring in Dramatic Arts in the B.A. or B.F.A. program or in Drama Education 	<ul style="list-style-type: none"> Academic achievement Artistic ability in Dramatic Arts Financial need 	<ul style="list-style-type: none"> May 1
George Ryga Memorial Scholarship (Department of Theatre and Dramatic Arts, UofL)	Value: \$500	<ul style="list-style-type: none"> 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 UofL Department of Theatre and Dramatic Arts 	<ul style="list-style-type: none"> Academic achievement Potential for development in Dramatic Arts 	<ul style="list-style-type: none"> May 1
4. Music				
Joyce and Ron Sakamoto Prize for Research and Development in Digital Audio Arts (Joyce and Ron Sakamoto) <ul style="list-style-type: none"> Successful music business professionals and long-time supporters of the Department of Music at the UofL, the Sakamoto's have established this award to encourage gifted music students to pursue careers in the digital audio arts 	Value: \$5,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> March 31st Must include the research proposal from the student or team and supporting documentation from the research supervisor Selection by Department of Music
Clear Sky Radio Music Award (Clear Sky Radio Inc.) <ul style="list-style-type: none"> 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 UofL 	Value: Up to \$2,500 Number: Variable	<ul style="list-style-type: none"> Students entering or continuing in the B.Mus. program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nomination by Department of Music

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Evelyn Beattie Memorial Music Scholarship (David Renter, Diane and Jergen Renter) <ul style="list-style-type: none"> 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 UofL 	Value: Up to \$1,500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement Demonstrated ability and potential in music performance 	<ul style="list-style-type: none"> May 1 Applications reviewed by Department of Music
Hembroff Music Performance Award (The Honourable Mr. Justice Vaughan and Mrs. Marilyn Hembroff) <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Full-time students enrolled in their third or final year of a B.Mus. program Enrolled in Music Studio courses 	<ul style="list-style-type: none"> Proficiency in music performance, as determined by studio courses Academic achievement Financial Need 	<ul style="list-style-type: none"> May 1
Tom Lavers Memorial Music Award (Leslie, Alyson, and Daphne Lavers) <ul style="list-style-type: none"> Leslie, Alyson and Daphne Lavers wish to honour their father Tom Lavers who had a life-long love for music 	Value: \$1,500	<ul style="list-style-type: none"> Continuing students majoring in Music and specializing in voice Preference to bass or bass/baritone voice students with a second preference to tenors 	<ul style="list-style-type: none"> Academic achievement Demonstrated ability and potential in voice performance 	<ul style="list-style-type: none"> Not required Nomination by Department of Music
Digital Audio Arts Undergraduate Award (Faculty of Fine Arts)	Value: \$500 - \$1,000 Number: Variable	<ul style="list-style-type: none"> Continuing undergraduate students in a B.Mus. with a major in Digital Audio Arts 	<ul style="list-style-type: none"> Demonstrated artistic excellence Academic achievement (minimum cumulative GPA of 2.50 and minimum cumulative GPA of 3.00 in Music courses) 	<ul style="list-style-type: none"> Not required
Intermezzo Classical Voice Award (Dr. Doug Myhre) <ul style="list-style-type: none"> Award supports the growth and enrichment of the classical voice student by providing funds for any single experience for vocal development 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need Preference to community involvement 	<ul style="list-style-type: none"> January 31 Application includes audition DVD, two letters of recommendation, proposal of enhanced experience, and 250-word essay
Phyllis Mary McDonell Memorial Scholarship (Endowed by the late Phyllis McDonell)	Value: \$1,000	<ul style="list-style-type: none"> Students with a declared major in Music 	<ul style="list-style-type: none"> Must have been enrolled in a Music Studio course in both the Fall and Spring semesters 	<ul style="list-style-type: none"> Not required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Joyce and Ron Sakamoto Digital Audio Arts Award (Joyce and Ron Sakamoto) <ul style="list-style-type: none"> Successful music business professionals and long-time supporters of the Department of Music at the UofL, the Sakamoto's have established this award to encourage gifted music students to pursue careers in the digital audio arts 	Value: Up to \$1,000 Number: Variable <ul style="list-style-type: none"> Total amount to be awarded in one year is not to exceed \$5,000 	<ul style="list-style-type: none"> Full-time students continuing in the B.Mus. program with a major in Digital Audio Arts 	<ul style="list-style-type: none"> Demonstrated proficiency in Digital Audio Arts measured by academic achievement, exemplary creative work, overall ability and/or potential 	<ul style="list-style-type: none"> Not required Nomination by Department of Music
William and May Jasman Scholarship (Mrs. May Jasman) <ul style="list-style-type: none"> Mr. Jasman was a natural born musician and played Saturday nights in a dance orchestra. Mr. and Mrs. Jasman farmed in various locations around Lethbridge for most of the 66 years they were married 	Value: \$300	<ul style="list-style-type: none"> Completed at least 30.0 credit hours Must have a declared major in Music 	<ul style="list-style-type: none"> Must have been enrolled in a Music Studio course in both the Fall and Spring semesters Preference to a student from Lethbridge and area 	<ul style="list-style-type: none"> May I
Clare C. Simpson Memorial Scholarship (Endowed by Mrs. Dagmar Simpson in memory of her late husband)	Value: \$300	<ul style="list-style-type: none"> Students majoring in Music in a B.A. program, Music Education in a B.Ed. program, or following a B.Mus. program 	<ul style="list-style-type: none"> Academic achievement Exceptional aptitude in an applied Music area 	<ul style="list-style-type: none"> May I
Jean C. Pickard Memorial Scholarship (Endowed by Mr. J.W. Pickard in memory of his late wife Jean C. Pickard)	Value: \$200	<ul style="list-style-type: none"> Must be majoring in Music and enrolled in Music Studio courses studying an instrument Preference to a Cellist 	<ul style="list-style-type: none"> Academic achievement Proficiency as an instrumentalist 	<ul style="list-style-type: none"> May I

e. Health Sciences

Please note that the eligibility and tenure conditions set out in the general criteria under **Section 4 - Undergraduate Awards (p. 475)** 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.

New Sun - Joy Harvie Maclaren Award in Health Sciences (J. Maclaren, The Calgary Foundation) <ul style="list-style-type: none"> In honour of Madeline Dion Stout who earned a B.N. from the UofL. She works as a researcher, writer and lecturer on Aboriginal health and health care 	Value: \$5,000	<ul style="list-style-type: none"> Health Sciences students interested in traditional native culture Preference given to students in the Nursing program First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 3.0, 60 percent course load) 	<ul style="list-style-type: none"> May I Must submit a brief summary demonstrating involvement in reviving and participating in traditional native culture
AstraZeneca Aboriginal Nursing Award (Frontline Health Program of AstraZeneca) <ul style="list-style-type: none"> Established to help student nurses gain practical clinical experience in Aboriginal communities 	Value: \$2,000 Number: Three	<ul style="list-style-type: none"> Nursing students entering or continuing in a preceptored clinical experience program related to Aboriginal health Preference given to FNMI students 	<ul style="list-style-type: none"> Commitment to gaining clinical experience in an Aboriginal setting Achievement assessed according to the clinical experience program requirements 	<ul style="list-style-type: none"> Not required Nominated by the Faculty of Health Sciences

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
"For the Love of It" Award for Nursing Excellence (Proceeds from the 2009 Calendar Project) <ul style="list-style-type: none"> • <i>Rebeca Derkitt, B.N. 2009, spearheaded a fundraiser that produced a calendar featuring 19 B.N. students. The proceeds from the sale of the calendar are supporting this award and Children's Link, a Calgary-based charity</i> 	Value: \$2,000	<ul style="list-style-type: none"> • B.N. students who have completed their third-year in the B.N. program 	<ul style="list-style-type: none"> • Excellence in Nursing demonstrated in the practicum and classroom • Satisfactory academic achievement 	<ul style="list-style-type: none"> • Not required • Nominated by committee
The Joe Ghert Memorial Scholarship in Nursing (Mrs. B. Ghert)	Value: \$1,800	<ul style="list-style-type: none"> • Must be entering the final year of the B.N. program 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
Frank M. and Lila Linn Thompson Prize (Estate of Frank M. Thompson)	Value: \$1,700	<ul style="list-style-type: none"> • Students graduating from the Faculty of Health Sciences 	<ul style="list-style-type: none"> • Highest cumulative grade point average among Spring or preceding Fall graduates of the Faculty of Health Sciences during that academic year 	<ul style="list-style-type: none"> • Not required
Frank M. and Lila Linn Thompson Nursing Scholarship (Estate of Frank M. Thompson)	Value: \$1,200	<ul style="list-style-type: none"> • Must be entering the final year of the B.N. program 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
Chouinard Addictions Counselling Prize in Healing and the Quest for Wholeness (Michelle Chouinard) <ul style="list-style-type: none"> • <i>Established by Michelle Chouinard, a UofL alumna, to encourage students in development of counselling skills and their quest for wholeness</i> 	Value: \$1,000	<ul style="list-style-type: none"> • Fourth-year students majoring in Addictions Counselling 	<ul style="list-style-type: none"> • Outstanding performance and participation in Health Sciences 3120 - Counselling III (Family Counselling) 	<ul style="list-style-type: none"> • Not required • Must be enrolled in Health Sciences 4050 at the time of payment
Public Health Travel Award (Faculty of Health Sciences)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> • B.H.Sc. Public Health students registered in PUBH 4550 or PUBH 4995 	<ul style="list-style-type: none"> • Academic good standing as measured by the Faculty of Health Sciences • Confirmed practicum placement or thesis research work located outside of a 500 km commuting distance from Lethbridge 	<ul style="list-style-type: none"> • October I (Fall semester travel) • February I (Spring semester travel) • May receive award once

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Marie Sandham Award (Dr. Dean Sandham, family and friends of Marie Sandham)	Value: \$1,000	<ul style="list-style-type: none"> Continuing students in the B.N. program (attending full-time at the UofL), B.N. (After an Approved Degree), or Post-Diploma B.N. program Resides in, or has just moved from, a rural or small town community prior to starting at the UofL 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
R.E. (Robert) and Mildred Shackelford Award (Mrs. Mildred Shackelford) <ul style="list-style-type: none"> <i>Mr. R.E. Shackelford was a prominent businessman in the City of Lethbridge and actively served in various community organizations for many years</i> 	Value: \$1,000	<ul style="list-style-type: none"> Must be in at least third year of the B.N. program or first year of the Post-Diploma B.N. program Must have completed a minimum of five semester courses at the UofL 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1 May receive award only once
Southern Alcare Manor Award in Addictions Counselling (Southern Alcare Manor) <ul style="list-style-type: none"> <i>Established in appreciation for the quality of UofL students who complete internships at the agency and to encourage a career in addictions counselling</i> 	Value: \$1,000	<ul style="list-style-type: none"> Continuing students pursuing a B.H.Sc. - Addictions Counselling program Successful completion of the first internship in the preceding Fall or Spring semester 	<ul style="list-style-type: none"> Outstanding performance in the first internship 	<ul style="list-style-type: none"> Not required Selection by committee within the Faculty of Health Sciences
University of Lethbridge Alumni Association Scholarship in Nursing (UofL Alumni Association)	Value: \$1,000	<ul style="list-style-type: none"> A minimum of nine graded courses in the B.N. program, at least five of these taken at the UofL 	<ul style="list-style-type: none"> Academic achievement and proficiency in the Nursing Practice course(s) 	<ul style="list-style-type: none"> May 1
Frank M. and Lila Linn Thompson Scholarship for Part-Time Studies in Nursing (Estate of Frank M. Thompson)	Value: \$600 Number: One to five	<ul style="list-style-type: none"> 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 UofL 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Charlotte Gregory Memorial Scholarship (Dr. Stan Gregory and Mrs. Mathilde Miller) <ul style="list-style-type: none"> <i>Donated in memory of Charlotte Gregory in recognition of her dedicated community service</i> 	Value: \$600	<ul style="list-style-type: none"> Students enrolled in the Faculty of Health Sciences 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
CAT Award - Faculty of Health Sciences Nursing (Members of the Nursing Faculty) <ul style="list-style-type: none"> Faculty members have established this award to recognize the application of knowledge, skills, and attributes in nursing practice: clinical competence, attributes of caring, and the true spirit of nursing (CAT) 	Value: \$500	<ul style="list-style-type: none"> Full-time students enrolled in the B.N. program who have successfully completed third-year requirements 	<ul style="list-style-type: none"> Outstanding performance and abilities in three major focus areas: <ul style="list-style-type: none"> Clinical competence Attributes of caring True spirit of Nursing 	<ul style="list-style-type: none"> Not required Candidates will be nominated by nursing faculty and selected by a committee within the Faculty of Health Sciences
Health Sciences Award of Excellence (UofL alumni and friends)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Continuing students in the Faculty of Health Sciences 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by the Faculty of Health Sciences
Florence Ruff Memorial Award (Ruff family—Walter Ruff, Blair and Laurie Ruff, Joe and Leslie Gatner) <ul style="list-style-type: none"> The Ruff family are dedicating this award in memory of Florence Ruff who passed away in 1998 	Value: \$500	<ul style="list-style-type: none"> Students in at least third-year standing of the B.N. program or first year of the Post-Diploma B.N. program with an interest in palliative care 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> May 1 (continuing students) June 15 (transfer students) A brief statement describing the involvement or interest in palliative care must be submitted
Penny Anne Turner Memorial Scholarship (Family and Friends of Penny Anne Turner) <ul style="list-style-type: none"> P.A. Turner was working as a nurse in Saudi Arabia at the time of her sudden passing in 1996 	Value: \$500	<ul style="list-style-type: none"> Must have completed either the third year of the Post-Diploma B.N. program or the first three years of the B.N. program and be returning to complete the fourth year 	<ul style="list-style-type: none"> Nominations will be sought from classmates for the student who demonstrates the most positive leadership abilities 	<ul style="list-style-type: none"> Not required
Henry Bergen - GEN Manufacturing Ltd. Award (GEN Manufacturing Ltd. and the UofL Faculty of Health Sciences) <ul style="list-style-type: none"> 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 	Value: \$500	<ul style="list-style-type: none"> Continuing students in a B.N. or B.H.Sc. - Addictions Counselling program Resides in, or has just moved from, a rural or small town community prior to starting at the UofL 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1 May receive award only once
Helen Morgan Community Health Book Award (Family of the late Helen Morgan) <ul style="list-style-type: none"> Donated in memory of Helen Morgan in recognition of her extensive volunteer work with local community health groups 	Value: A textbook on Gerontology or Community Health	<ul style="list-style-type: none"> Students enrolled in the Faculty of Health Sciences 	<ul style="list-style-type: none"> Academic achievement Demonstrated interest in Community Health through employment or volunteer work in the field 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
f. Management				
Please note that the eligibility and tenure conditions set out in the general criteria under Section 4 - Undergraduate Awards (p. 475) 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				
Philip North Scholarship (Friends of Philip North) <ul style="list-style-type: none"> <i>R. Philip M. North QC, co-founder of North & Co. LLP, is a model of dedication to his profession, community and the UoFL</i> 	Value: \$2,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average Community and/or athletic involvement 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students admitted in Spring) June 15 (transfer students) Nominated by the Faculty of Management
Ingrid and Ray Speaker Scholarship (Ingrid and Ray Speaker and friends) <ul style="list-style-type: none"> <i>Speakers have served their community, province, and country while raising a family and staying true to their agricultural roots. Ingrid is a Chancellor Emerita (1991-1995) and received an honorary doctorate of laws from the UoFL in 2001 and Ray received one in 2003</i> 	Value: \$2,000	<ul style="list-style-type: none"> New high school or new transfer students who have been admitted to a B.Mgt., or any combined degree with a B.Mgt. program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Andy Anderson Scholarship (Friends of Andy Anderson) <ul style="list-style-type: none"> <i>Andy Anderson served Lethbridge for 22 years, during which period he held the Office of Mayor from March, 1968 to October, 1986</i> 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Del Allen Scholarship (Friends of Del Allen) <ul style="list-style-type: none"> <i>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 "citizen of the year".</i> 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Art Batty Scholarship (Friends of Art Batty) <ul style="list-style-type: none"> The values Art's parents instilled in him in childhood have led to a successful business career (including Art Batty Construction and Josephine Tussaud Inc.) and a happy retirement 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students admitted in spring) June 15 (transfer students) Physician's statement and indication of nature of disability
Van and Helen Christou Scholarship (Friends of Van & Helen Christou) <ul style="list-style-type: none"> Dr. Van Christou and his late wife, Helen, secured the first major art donation to the University in 1967, and are revered as pioneers of the University's world-renowned art collection 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Richard Davidson, Q.C. Scholarship (Friends of Richard Davidson) <ul style="list-style-type: none"> Richard Davidson has made a life by giving. His involvement in the community includes active membership in various community organizations including the UofL Senate and the President's Advisory Committee 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
George B. Davies Jr. Scholarship (Friends of George Davies) <ul style="list-style-type: none"> George B. Davies Jr. has been instrumental in helping Lethbridge Iron Works, a family business, become an industry leader 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Clint Dunford Scholarship (Friends of Clint Dunford) <ul style="list-style-type: none"> Clint Dunford has made a long lasting impact on the province of Alberta as a volunteer, business professional and in his public life as Minister of Economic Development, Minister of Human Resources and Employment and Minister of Advanced Education and Career Development 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> March 15 (high school applicants) May 1 (continuing students admitted in Spring) June 15 (transfer students) Nominated by the Faculty of Management

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Reed C. and Eva Ellison Memorial Scholarship (Friends of Reed and Eva Ellison) <ul style="list-style-type: none"> Reed C. Ellison, former President of Ellison Milling and Elevator Company, was a progressive businessman. Both he and Eva Ellison were long-time friends of the UofL and are remembered for their public service and concern for the welfare of Lethbridge 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
The Honourable Senator Joyce Fairbairn Scholarship (Friends of Senator Joyce Fairbairn) <ul style="list-style-type: none"> 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 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Leonard Haney Scholarship (Friends of Leonard Haney) <ul style="list-style-type: none"> Leonard Haney helped establish Haney Farms, and was awarded the 'Order of Excellence' by the Province of Alberta for his contribution to the betterment of education in the Province and his outstanding service to the Pedigreed Seed Industry in Canada 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Cleve Hill Scholarship (Friends of Cleve Hill) <ul style="list-style-type: none"> Cleve Hill has served as a volunteer with many organizations, including the Lethbridge and District Exhibition Board, Lethbridge Jaycees, YMCA, Chamber of Commerce and the UofL 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Robin Hood Scholarship (Friends of Robin Hood) <ul style="list-style-type: none"> • During his distinguished 40-year career with the Royal Bank of Canada (RBC), Robin Hood rose from a junior position to Vice President Alberta South. He is respected for his leadership and the contributions he has made to RBC and the communities he has lived in 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
Dr. David Hughes Scholarship (Friends of Dr. David Hughes) <ul style="list-style-type: none"> • Dr. David Hughes was President and CEO of Canbra Foods and was the first to be honoured at a Faculty of Management Scholarship Dinner 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
Gary Kirk Scholarship (Friends of Gary Kirk) <ul style="list-style-type: none"> • Gary Kirk is a passionate sports promoter, community volunteer, and owner of Kirk's Tire. His strong family values, true friendships, and prosperous business stand as testament to his success and commitment 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
Rex and Marjorie Little Scholarship (Friends of Rex and Marjorie Little) <ul style="list-style-type: none"> • Rex and Marjorie Little were the first husband and wife team to qualify as CAs in 1958. Both continue to be long-time friends of the UofL and have been actively involved in various activities and organizations in Lethbridge 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
Dale A. Martin Sr. Family Scholarship (Friends of Dale A. Martin Sr.) <ul style="list-style-type: none"> • Dale A. Martin Sr., founder of Martin Bros. Memorial Chapel, Southern Alberta Crematorium and Martin Bros. Riverview Funeral Chapel, is well known for his many attributes. He is known to be a keen businessman who is a mentor for young people and employees 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Val and Flora Matteotti Scholarship (Friends and family of Val and Flora Matteotti) <ul style="list-style-type: none"> Val and Flora Matteotti have been highly recognized for their many contributions to the community of Lethbridge 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Bruce Milliken Scholarship (Friends and family of Bruce Milliken) <ul style="list-style-type: none"> Bruce Milliken founded Milliken Farm Supplies Ltd. and has been actively involved in many community groups and organizations including the Taber Town Council, Kiwanis Club, the UofL Senate, and the Chinook Health Region 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Stubb Ross Scholarship (Friends of Stubb Ross) <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Ron Sakamoto Scholarship (Friends of Ron Sakamoto) <ul style="list-style-type: none"> Ron Sakamoto is the founder and owner of Gold and Gold Productions 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Dr. Yoshio and Florence Senda Scholarship (Friends of Yosh and Florence Senda) <ul style="list-style-type: none"> Dr. Yoshio Senda (LLD '89) and his wife, Florence, have dedicated their lives to building the sport of judo in Lethbridge 	Value: \$1,000	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required
Logan Tait Scholarship (Friends of Logan Tait) <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Time Air Scholarship (Time Air Inc.) <ul style="list-style-type: none"> • <i>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</i> 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
John Williams Scholarship (Friends of John Williams) <ul style="list-style-type: none"> • <i>One of the first three Chartered Accountants in Lethbridge, John Williams helped to shape the growth of the profession in the city</i> 	Value: \$1,000	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
Vincent Menard Memorial Scholarship (Endowed by Mrs. L.D. Menard in memory of her late husband, Vincent Menard)	Value: \$500	<ul style="list-style-type: none"> • Preference will be given to a graduate of the UofL Faculty of Health Sciences 	<ul style="list-style-type: none"> • Academic proficiency as measured by the Faculty of Management admission average 	<ul style="list-style-type: none"> • Not required
2. Accounting/Finance				
George A. Young C.A. Memorial Scholarship (Mrs. Kathleen A. Young) <ul style="list-style-type: none"> • <i>George A. Young was the first Lethbridge-born C.A. to train and practice his entire life in Lethbridge</i> 	Value: \$2,250	<ul style="list-style-type: none"> • Students majoring in Accounting who have a minimum of 29 graded semester courses • Intent to become a Chartered Accountant 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
The Chartered Accountants Lethbridge Scholarship (Alberta's Chartered Accountants through the Chartered Accountants' Education Foundation)	Value: \$1,000	<ul style="list-style-type: none"> • Accounting majors who have successfully completed a minimum of 29 graded semester courses 	<ul style="list-style-type: none"> • Academic achievement • Athletic, social and service activities may be considered 	<ul style="list-style-type: none"> • May I
MNP LLP Scholarship (MNP LLP)	Value: \$1,000	<ul style="list-style-type: none"> • A minimum of 29 semester courses • Must show intent to continue studies toward the profession of Accountancy 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I
G.A. Young Memorial Scholarship (Young, Parkyn, McNab)	Value: \$600	<ul style="list-style-type: none"> • Must have graduated from a high school situated south of Calgary • A minimum of 29 semester courses • Intent to become a Chartered Accountant 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May I

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Accounting Scholarship (Anonymous)	Value: \$500	<ul style="list-style-type: none"> A minimum of 29 graded semester courses and declared a major in Accounting Must be an Alberta resident 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Certified Management Accountants of Alberta Scholarship (Certified Management Accountants of Alberta)	Value: \$500	<ul style="list-style-type: none"> Students majoring in Accounting who have a minimum of 29 graded semester courses Intent to become a Certified Management Accountant 	<ul style="list-style-type: none"> Academic achievement Demonstrated leadership qualities through extracurricular contributions to campus or community 	<ul style="list-style-type: none"> May 1
Financial Services/ Materials Management Award (UofL Financial Services and Materials Management Employees)	Value: \$500	<ul style="list-style-type: none"> Second-year B.Mgt. students majoring in Accounting 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 2.5) Financial need 	<ul style="list-style-type: none"> May 1
KPMG, Chartered Accountants - A.W. Bell Memorial Scholarship (KPMG, Chartered Accountants)	Value: \$500	<ul style="list-style-type: none"> A minimum of 19 semester courses Preference to students interested in Accountancy as a profession 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
KPMG, Chartered Accountants - R.M. Tanner Memorial Scholarship (KPMG, Chartered Accountants)	Value: \$500	<ul style="list-style-type: none"> A minimum of 29 semester courses Preference to students interested in Accountancy as a profession 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Lethbridge and District Chartered Accountants' Association Scholarship (Lethbridge and District Chartered Accountants' Association)	Value: \$500	<ul style="list-style-type: none"> Must have completed the requirements of the B.Mgt. degree and must have been enrolled in full-time studies at the UofL in the final year 	<ul style="list-style-type: none"> Awarded to the student graduating with a major in Accounting and the highest GPA among all Accounting students in the Faculty of Management 	<ul style="list-style-type: none"> Not required
Petroleum Accountants Society of Canada Bursary (Petroleum Accountants Society of Canada)	Value: \$500	<ul style="list-style-type: none"> Continuing or graduating undergraduate students majoring in Accounting 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1
3. First Nations' Governance				
New Sun - Joy Harvie Maclaren Award in Management (J. Maclaren, The Calgary Foundation) <ul style="list-style-type: none"> <i>In honour of Madeline Dion Stout who earned a BN from the UofL. She works as a researcher, writer and lecturer on Aboriginal health and health care</i> 	Value: \$4,500	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Financial need Academic achievement (minimum GPA of 2.5, 60 percent course load) 	<ul style="list-style-type: none"> May 1 Must submit a brief summary demonstrating involvement in reviving and participating in traditional native culture

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Imperial Oil Limited Award (Imperial Oil Limited)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> New or continuing students in the Faculty of Management First Nations' Governance program 	<ul style="list-style-type: none"> Academic achievement Overall performance and commitment to the objectives of the Native Management program 	<ul style="list-style-type: none"> Not required
Shell Award in Native Management (Shell Canada Limited)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> New or continuing students in the Faculty of Management First Nations' Governance program 	<ul style="list-style-type: none"> Academic achievement Overall performance and commitment to the objectives of the Native Management program 	<ul style="list-style-type: none"> Not required
Vern Eagle Bear Memorial Scholarship (Family and Friends of Vern Eagle Bear) <ul style="list-style-type: none"> <i>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</i> 	Value: \$250	<ul style="list-style-type: none"> New or continuing students in the Faculty of Management First Nations' Governance program 	<ul style="list-style-type: none"> Academic achievement Overall performance and commitment to the objectives of the Native Management program 	<ul style="list-style-type: none"> Not required
4. Marketing				
Heil-Stanger Scholarship in Marketing (The Heil Family)	Value: \$800 Number: Two	<ul style="list-style-type: none"> Students with a declared major in Marketing Preference to students who are not receiving other awards from the UofL 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Onitsuka Scholarship (Mr. Kihachiro Onitsuka)	Value: \$400	<ul style="list-style-type: none"> Preference to those whose program has a strong emphasis in international marketing 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
5. Other				
Zhan`wen Kwan Scholarship (Wayne and Rhonda Kwan) <ul style="list-style-type: none"> <i>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 UofL since 1991. The close friendships established with students from around the world are very special to them</i> 	Value: \$3,000	<ul style="list-style-type: none"> B.Mgt. students majoring in International Management 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
“Make a Difference” Scholarship for Outstanding Student Leadership in Management (Faculty of Management) <ul style="list-style-type: none"> This scholarship was created to applaud the leadership and initiative shown by student leaders who have “made a difference” 	Value: \$2,000	<ul style="list-style-type: none"> B.Mgt. students who have successfully completed a minimum of 30 graded semester courses 	<ul style="list-style-type: none"> Demonstrated leadership and demonstrated initiative in academic and extra-curricular activities Outstanding contribution to the Faculty of Management Academic achievement Demonstrated communications skills (as evidenced in the application submission) 	<ul style="list-style-type: none"> November 15 Separate application available from the Faculty of Management
Edith Harris Management Bursary (Cole Harris - Centron Construction) <ul style="list-style-type: none"> Cole Harris is a UofL 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 	Value: \$2,000	<ul style="list-style-type: none"> Continuing B.Mgt. students Preference to students with an agricultural background Preference to students involved in athletics or extracurricular activities 	<ul style="list-style-type: none"> Financial need (minimum GPA of 2.5) 	<ul style="list-style-type: none"> May 1
Alcoa Foundation/ Kawneer Company Canada Ltd. International Management Scholarship (Kawneer Company Canada Ltd.)	Value: \$1,500 Number: Five	<ul style="list-style-type: none"> Full-time continuing students majoring in International Management Must be participating in the international exchange semester during the tenure of the award 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Canadian Petroleum Tax Society Scholarship (Canadian Petroleum Tax Society) <ul style="list-style-type: none"> CPTS was established in 1955 as an independent educational society specializing in the taxation of the oil and gas industry 	Value: \$1,500	<ul style="list-style-type: none"> Must have completed a minimum of 19 semester courses 	<ul style="list-style-type: none"> Academic achievement Excellence in the Introduction to Tax (Management 3151) course completed in the most recent Fall or Spring semester 	<ul style="list-style-type: none"> May 1
CGA Alberta Research and Education Foundation Scholarship (Certified General Accountants' Association of Alberta Research and Education Foundation)	Value: \$1,500 CGA assessment fee and first year CGA tuition fee waived by CGA Alberta	<ul style="list-style-type: none"> Full-time students in the final year of a B.Mgt. program Must be CGA candidates or CGA students 	<ul style="list-style-type: none"> Academic achievement based on the highest average marks in the equivalent CGA courses within the B.Mgt. program Highest cumulative GPA in overall coursework will be used if equivalent CGA course marks are the same average 	<ul style="list-style-type: none"> May 1 CGA ID number must accompany application

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Dan Kazakoff Award in Student Leadership (Management IME Class Alumni) <ul style="list-style-type: none"> IME class alumni established this award in appreciation of Dan Kazakoff and his qualities as a teacher, leader and mentor 	Value: Up to \$1,500	<ul style="list-style-type: none"> Full-time continuing B.Mgt. students 	<ul style="list-style-type: none"> Exceptional leadership skills demonstrated through community and campus involvement Academic achievement (minimum GPA of 3.0) 	<ul style="list-style-type: none"> May I Include a letter of reference and essay on why community service/leadership is important Selection by committee
ATB Financial Award (ATB Financial)	Value: \$1,000	<ul style="list-style-type: none"> Third- and fourth-year students in a B.Mgt. program 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May I
Larissa Featherstone Leadership Award (Featherstone Family) <ul style="list-style-type: none"> Larissa Featherstone, a UofL Management alumnus, established this award with her family to reward emerging leaders and to encourage those who plan to use their leadership skills to make a difference for others 	Value: \$1,000	<ul style="list-style-type: none"> Students entering fourth-year in a B.Mgt. program Calgary/Edmonton campus students must complete a minimum of 18 credit hours, Lethbridge campus students must complete a minimum of 24 credit hours in the previous two semesters 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.2) Demonstrated leadership qualities through program requirements or campus activities such as Integrated Management Experience, case/business competitions, conferences, mentoring or social clubs 	<ul style="list-style-type: none"> May I Applications will be reviewed by committee within the Faculty of Management
Outstanding Achievement in Management (Faculty of Management) <ul style="list-style-type: none"> This scholarship was created to celebrate excellence in academic performance 	Value: \$1,000 Number: Eight – a minimum of two awarded to International (Visa) students	<ul style="list-style-type: none"> B.Mgt. students who have successfully completed a minimum of 30 graded semester courses 	<ul style="list-style-type: none"> Outstanding academic achievement 	<ul style="list-style-type: none"> Not required
Louis Moser Memorial Scholarship (Estate of Louis Moser)	Value: \$750	<ul style="list-style-type: none"> Continuing students enrolled in a B. Mgt. program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May I
Joel Arnoldussen Memorial Bursary in Management (Clarence and Johanna Arnoldussen) <ul style="list-style-type: none"> This award is presented by Bridge City Chrysler in memory of Joel Arnoldussen in support of the Management program 	Value: \$500	<ul style="list-style-type: none"> Second-year B.Mgt. students 	<ul style="list-style-type: none"> Financial need Preference to a student demonstrating community involvement 	<ul style="list-style-type: none"> May I
By George Award (Faculty of Management Alumni and Friends) <ul style="list-style-type: none"> Dr. George Lermer was the Founder, Director and Dean in the Faculty of Management since its inception in 1981. He retired from the UofL in 1997 	Value: \$500 Number: Variable	<ul style="list-style-type: none"> Fourth-year students enrolled in B.Mgt 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) Financial need Contribution to the UofL community 	<ul style="list-style-type: none"> May I

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Diana Cooper Memorial Scholarship for Entrepreneurs (Endowed by Diana Cooper) <ul style="list-style-type: none"> • <i>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</i> 	Value: \$500	<ul style="list-style-type: none"> • Candidates will have gained entrepreneurial experience through UofL programs 	<ul style="list-style-type: none"> • Academic achievement • Demonstrated entrepreneurial skills through volunteer and/or paid work experience 	<ul style="list-style-type: none"> • May 1
Human Resources Institute of Alberta Award (Human Resources Institute of Alberta)	Value: \$500	<ul style="list-style-type: none"> • Continuing students with a major in Human Resource Management and Labour Relations 	<ul style="list-style-type: none"> • Leadership and community involvement • Academic achievement • Financial need 	<ul style="list-style-type: none"> • May 1
Management Award of Excellence (UofL alumni and friends)	Value: \$500 Number: Variable	<ul style="list-style-type: none"> • Continuing students in the Faculty of Management 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required • Nominated by the Faculty of Management
Ken McDonald Memorial Scholarship (Friends of Ken McDonald) <ul style="list-style-type: none"> • <i>Mr. McDonald was an active business person in the Town of Taber and was a strong supporter of many community events</i> 	Value: \$500	<ul style="list-style-type: none"> • Students who graduated from a high school in the Town of Taber or from a secondary school within the Horizon School Division 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
MR.SUB Award (Mr. Submarine Limited) <ul style="list-style-type: none"> • <i>For more than three decades, MR.SUB has assisted in a variety of ways to many community organizations. MR.SUB is extremely proud to be part of many Canadian communities</i> 	Value: \$500	<ul style="list-style-type: none"> • Students continuing in a B.Mgt. program 	<ul style="list-style-type: none"> • Academic achievement • Community volunteer involvement 	<ul style="list-style-type: none"> • May 1
Supply Chain Management Prize (Employees from UofL Financial Services and Materials Management)	Value: \$500	<ul style="list-style-type: none"> • Full or part-time continuing students who completed Management 3070 (Introduction to Supply Chain Management) 	<ul style="list-style-type: none"> • Academic achievement in Management 3070 (Intro to Supply Chain Management) in either the Fall or Spring semesters • Positive contribution and involvement in class 	<ul style="list-style-type: none"> • Not required • Nominated by the Faculty of Management
Human Resources Institute of Alberta Part-time Award (Human Resources Institute of Alberta)	Value: \$250	<ul style="list-style-type: none"> • Continuing students with a major in Human Resource Management and Labour Relations • Must have successfully completed more than 3.0 credit hours and less than 24.0 credit hours at the UofL in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> • Leadership and community involvement • Academic achievement • Financial need 	<ul style="list-style-type: none"> • 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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Jack K. Klinger Memorial Scholarship (Endowed by the late Jack K. Klinger)	Value: \$250	<ul style="list-style-type: none"> • Must have entered University immediately after graduation from high school • A minimum of 19 semester courses 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Dan Paulson Memorial Scholarship (Family and friends of Dan Paulson) <ul style="list-style-type: none"> • <i>Dan Paulson was an Assistant Professor in the Faculty of Management until his death in 1993</i> 	Value: \$250	<ul style="list-style-type: none"> • Students majoring in Information Systems who have completed at least 10 semester courses, three of which are Information Systems requirements 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Purchasing Management Association of Canada (Lethbridge Branch) Scholarship (Purchasing Management Association of Canada, Lethbridge Branch)	Value: \$200	<ul style="list-style-type: none"> • Preference to candidates who have completed a minimum of 19 graded semester courses 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • May 1
Lethbridge Chamber of Commerce Leadership Award (LINKS Community Project - 2003) <ul style="list-style-type: none"> • <i>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</i> 	Value: Variable Number: Variable	<ul style="list-style-type: none"> • Students who have completed the Integrated Management Experience program in the current academic term 	<ul style="list-style-type: none"> • Community service involvement and leadership skills exhibited in class 	<ul style="list-style-type: none"> • Not required
Flair Foundation Bursary (Chartered Accountants Education Foundation of Alberta) <ul style="list-style-type: none"> • <i>In recognition of the Flair Foundation's generosity and demonstrated commitment to the future of the CA profession in Alberta</i> 	Value: Tuition and fees for six courses and reimbursement for Foreign Credential Assessment <ul style="list-style-type: none"> • Must enrol in a minimum of six courses over a 12-month period in the UofL CA Bridging Program 	<ul style="list-style-type: none"> • 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 CA School of Business 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • February 15

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.

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Mike Shaikh FCA and Linda Shaikh Bursary (Chartered Accountants Education Foundation of Alberta) <ul style="list-style-type: none"> <i>In recognition of the Shaikh's generosity and demonstrated commitment to the future of the CA profession in Alberta</i> 	Value: Tuition and mandatory fees for up to 3 courses per academic year and the cost of foreign credential assessment (if applicable)	<ul style="list-style-type: none"> Students in the CA Bridging Program and meet one of the following: <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> February 15

g. Athletics

Please note that the eligibility and tenure conditions set out in the general criteria under **Section 4 - Undergraduate Awards (p. 475)** pertain except that unless otherwise stated the student must have been in satisfactory academic standing and have been enrolled in full-time studies in the previous Fall and Spring semesters.

University of Lethbridge Pronghorn Recruitment Award (UofL)	Value: Variable. Up to a maximum of tuition and fees (successfully completed courses are included in the fee assessment; repeated courses are not) Number: Variable	<ul style="list-style-type: none"> Students playing on a Pronghorn Athletics Team Admitted to any degree program at the University of Lethbridge 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required Students receiving this award upon entering the UofL will have the award disbursed in June if all conditions are met
Men's Basketball Athletic Award (UofL Athletics Department)	Value: Variable Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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.
Awards are tenable upon confirmation of full-time enrolment in a

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Women's Basketball Athletic Award (UofL Athletics Department)	Value: Variable Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Men's Hockey Athletic Award (UofL Athletics Department)	Value: Variable Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Women's Soccer Athletic Award (Linning Estate)	Value: Variable Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
E.C. Fredericks Athletic Award (Emil C. Fredericks)	Value: Variable Number: Variable	<ul style="list-style-type: none"> Participation on a University of Lethbridge Pronghorn athletic team 	<ul style="list-style-type: none"> Continuing or graduating students Recipients are awarded at the Blue and Gold Athletic Banquet 	<ul style="list-style-type: none"> Not required
Southern Oldtimers Football Association Award (Knud Petersen) <i>The purpose of this award is to keep the Pronghorn Women's Soccer Program competitive in CIS competition</i>	Value: Variable Number: Variable	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Swimming Athletic Award (Linning Estate)	Value: Variable Number: Variable	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
Swimming Championship Award (Alumni and friends)	Value: \$500 to \$2,000 Number: Variable	<ul style="list-style-type: none"> • Eligible swimmers who have a CIS entry standard • Admitted to any degree program 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
Wind River Glass Ltd. Men's Hockey Award (Wind River Glass Ltd.)	Value: \$1,500 Number: Two	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Maintained an acceptable practice and participation schedule as defined by the Athletics Department • Meet all CIS Financial Athletic Award criteria 	<ul style="list-style-type: none"> • Not required
Wind River Glass Ltd. Women's Hockey Award (Wind River Glass Ltd.)	Value: \$1,500 Number: Two	<ul style="list-style-type: none"> • Pronghorn Women Hockey players who have volunteered their time to promote and teach the game of hockey • Continuing students 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.0) • Maintained an acceptable practice and participation schedule as defined by the Athletics Department • Meet all CIS Financial Athletic Award criteria 	<ul style="list-style-type: none"> • Not required
Lanny McDonald Hockey Award (Flames Project 75 Hockey Association)	Value: \$1,250	<ul style="list-style-type: none"> • Students who have completed at least eight and no more than 16 semester courses • Members of the UofL Pronghorns Hockey Team in the previous season 	<ul style="list-style-type: none"> • Leadership exemplifying the best qualities of the student athlete and contributions to community life 	<ul style="list-style-type: none"> • Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Harry and Mildred Cox Hockey Award (Harry and Mildred Cox) <ul style="list-style-type: none"> The Cox family has a long and active association with the University whether it be by attending the UofL, serving on the Board of Governors or the Senate. The Cox family has always been very active supporters of Pronghorn Athletics 	Value: \$1,000	<ul style="list-style-type: none"> Members of the UofL Men's Pronghorn Hockey Team 	<ul style="list-style-type: none"> Overall contribution to the team 	<ul style="list-style-type: none"> Not required
Gal Family Athletic Award (Margie Gal and Friends) <ul style="list-style-type: none"> Established by UofL alumna Margie Gal, C.A., to support student athletes and to acknowledge the role that sport plays in helping to develop leadership skills 	Value: \$1,000	<ul style="list-style-type: none"> Pronghorn Women's Basketball players who have above average skills on the team and who have demonstrated outstanding leadership 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Gold and Gold Hockey Award (Gold and Gold Productions)	Value: \$1,000	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Blaine Kunz Women's Rugby Award (Blaine Kunz)	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> 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 UofL 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Lethbridge Hockey Hounds Award (Lethbridge Hockey Hounds)	Value: \$1,000	<ul style="list-style-type: none"> • Must have participated on the UofL Pronghorn Hockey Team in the previous academic year • Will 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 	<ul style="list-style-type: none"> • A combined GPA of at least 2.00 in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> • Not required • Athletes who have played in a recognized professional league are not eligible • May receive this award more than once
Burns Foods Athletic Award (Endowed by RHW Foundation)	Value: \$500 or \$1,000 (disbursements of \$500 each) Number: Variable	<ul style="list-style-type: none"> • Continuing students who have successfully completed at least two semesters of full-time studies in the previous year at the UofL 	<ul style="list-style-type: none"> • Overall contribution by a player to an athletic team • Must have a cumulative GPA of no less than 2.00 	<ul style="list-style-type: none"> • Not required
Alumni Soccer Award (Alumni of the Pronghorn Soccer Team)	Value: Up to \$1,000 Number: Variable	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
JADS Leadership Award (Randy Bardock)	Value: Up to \$1,000 Number: Variable	<ul style="list-style-type: none"> • Pronghorn Soccer players • Successful completion of at least 18.0 credit hours in the previous Fall and Spring semesters 	<ul style="list-style-type: none"> • Outstanding leadership ability • Minimum GPA of 2.00 	<ul style="list-style-type: none"> • Not required
R. Philip M. North Scholarship (Endowed by the Province of Alberta)	Value: \$600	<ul style="list-style-type: none"> • Students who participated fully in a Canada West Athletic program or another athletic program requiring equivalent skill and commitment 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Access to the Future Award (Alberta Access to the Future Funds) 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	Value: \$500 Number: Variable	<ul style="list-style-type: none"> • Pronghorn players who have above average skills and who have demonstrated outstanding leadership on the team • Admitted to any degree program at the UofL 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
Men's Basketball Alumni Award (Alumni and Friends)	Value: \$500 minimum Number: Variable	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
Women's Basketball Alumni Award (Alumni and Friends)	Value: \$500 minimum Number: Variable	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Not required
Canada Winter Games Award (1975 Canada Winter Games Society)	Value: \$500	<ul style="list-style-type: none"> • Residents of southern Alberta who have successfully completed at least 24.0 credit hours 	<ul style="list-style-type: none"> • High achievement in athletics • Contribution to the community • Academic achievement 	<ul style="list-style-type: none"> • Not required
Alex Close Memorial Bursary (Friends and family of Alex Close) <ul style="list-style-type: none"> • <i>Alex Close served as a systems support specialist at the UofL until his passing in 2005. He will be remembered as a dedicated member of the University Family. His love of people shaped his life and motivated others</i> 	Value: \$500	<ul style="list-style-type: none"> • Kinesiology or Exercise Science majors • Involvement with the Men's or Women's Pronghorn soccer team 	<ul style="list-style-type: none"> • Financial need 	<ul style="list-style-type: none"> • May 1

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Hockey Alumni Award (Men's Hockey Alumni Association)	Value: \$500	<ul style="list-style-type: none"> Pronghorn Hockey players who have above average skills on the team and who have demonstrated outstanding leadership Admitted to any degree program at the UofL 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Pronghorn Women's Rugby Alumni Award (Pronghorn Women's Rugby Alumni)	Value: \$500	<ul style="list-style-type: none"> 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 University of Lethbridge 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not required
Yosh Senda Judo Award (Dr. Yosh Senda)	Value: \$500 Number: Two (one each for male and female Judo Team members)	<ul style="list-style-type: none"> Continuing full-time students who have participated on the UofL Judo Team 	<ul style="list-style-type: none"> Overall contribution to the team and to the sport of Judo Academic achievement (minimum GPA of 2.5) and completed at least eight courses in the Fall and Spring semesters preceding the award 	<ul style="list-style-type: none"> Not required
1996 Alberta Winter Games Scholarship - Athletics (1996 Alberta Winter Games)	Value: \$250	<ul style="list-style-type: none"> Graduates from a City of Lethbridge high school 	<ul style="list-style-type: none"> Academic achievement (minimum course load of 24.0 credit hours in the previous Fall and Spring semesters) High achievement in athletics 	<ul style="list-style-type: none"> Not required Preference given to those who have not received this award previously
University of Lethbridge Alumni Athletic Award (UofL Alumni Athletic Association)	Value: \$250	<ul style="list-style-type: none"> Athletes who have successfully completed at least three semesters at the UofL in any degree program while participating on a Pronghorn athletic team 	<ul style="list-style-type: none"> Demonstrated outstanding leadership to his/her team and the UofL athletic program in general Must have a cumulative GPA of at least 2.00 	<ul style="list-style-type: none"> Not required
Reed C. Ellison Athletic Award (Mr. Reed C. Ellison)	Value: \$150 Number: Two (one for a male athlete and one for a female athlete)	<ul style="list-style-type: none"> Participation on a UofL athletic team 	<ul style="list-style-type: none"> Academic achievement Demonstrated inspirational leadership qualities and sportsmanship 	<ul style="list-style-type: none"> Not required

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TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Art Bareham Athletic Award (Endowed by Mrs. Art Bareham)	Value: \$100	<ul style="list-style-type: none"> Participation on a UofL athletic team competing in the Canada West Athletic program 	<ul style="list-style-type: none"> Academic achievement (minimum course load of 24.0 credit hours in the previous Fall and Spring semesters) Demonstrated leadership qualities, sportsmanship and hard work 	<ul style="list-style-type: none"> May 1
Shelby MacLeod Hockey Bursary (Shelby MacLeod)	Value: \$100 Number: Two (one for a male and one for a female athlete)	<ul style="list-style-type: none"> Must have competed on the UofL Pronghorns Hockey Team in the previous year 	<ul style="list-style-type: none"> A minimum combined GPA of 2.00 Financial need 	<ul style="list-style-type: none"> May 1

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Awards are tenable upon confirmation of full-time enrolment in a

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
5. GRADUATE SCHOLARSHIPS				
Nexen Fellowship in Water Research (Nexen Inc.) <ul style="list-style-type: none"> Nexen Inc. has chosen to create this endowment to help address one of the world's most pressing issues—water resources. These prestigious fellowships will be used to help attract and retain top graduate students to conduct scientific research in water-related initiatives 	Value: \$15,000 for Ph.D. \$5,000 for Master's Number: Variable	<ul style="list-style-type: none"> Entering or continuing full-time students conducting water-related research in the following thesis-based graduate programs: M.A., M.Sc., Ph.D. Master's students declaring water-related research after admission are eligible to apply Master's student recipients are eligible to apply for a second year and awards will be based on funding availability and academic achievement Doctorate student recipients will have funding automatically renewed for a second year, upon confirmation that the appropriate academic standards and levels of achievement have been met 	<ul style="list-style-type: none"> Academic achievement (based on GPA and content of application documents) 	<ul style="list-style-type: none"> March 1, May 1, or October 1 (admission application deadlines) Application and two letters of academic reference, one of which must come from the student's program supervisor, and a statement of intended research and its social and scholarly value Application submitted to the School of Graduate Studies
The School of Graduate Studies Fellowship (School of Graduate Studies)	Value: \$15,000 (three equal payments) Number: Variable	<ul style="list-style-type: none"> Entering a full-time M.A., M.Sc., or Ph.D. thesis-based program 	<ul style="list-style-type: none"> Academic achievement (minimum admission average of 3.3 GPA for Master's and 3.5 GPA for Ph.D.) Research record Potential for contribution in respective field of study 	<ul style="list-style-type: none"> June 1 for students admitted in the calendar year (January, May, and September) Separate application required
Queen Elizabeth II Graduate Scholarship (Province of Alberta Scholarship Programs)	Value: Up to \$15,000 for Ph.D. Up to \$10,800 for Master's Number: Variable	<ul style="list-style-type: none"> Canadian citizens or Permanent Residents Entering a full-time Ph.D. or Master's program 	<ul style="list-style-type: none"> Superior academic achievement Good standing with Alberta Students Finance 	<ul style="list-style-type: none"> All students accepted into a Ph.D. or Master's program are considered automatically

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Arthur J.E. Child Award in Economics, English, and History (Arthur J.E. Child Foundation) • <i>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</i>	Value: One at \$10,000 or two at \$5,000 for each of the three majors: Economics, English, and History. (Total value: \$30,000)	<ul style="list-style-type: none"> Continuing undergraduate or graduate students with a major in Economics, English, or History 	<ul style="list-style-type: none"> Academic achievement Financial need Community involvement 	<ul style="list-style-type: none"> May 1 Departments of Economics, English, and History will nominate from eligible applicants
M.A./M.Sc. Entrance Award (School of Graduate Studies)	Value: \$10,000 Number: Eight	<ul style="list-style-type: none"> Entering a full-time M.A. or M.Sc. thesis-based program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> All students accepted into the eligible programs are considered automatically
Métis Scholar Award (Métis Education Foundation and UofL) • <i>Established to help alleviate financial need and to encourage post-secondary achievement on the part of Métis students studying at the UofL</i>	Value: \$10,000	<ul style="list-style-type: none"> Full-time continuing in any graduate degree program Canadian citizen Métis heritage 	<ul style="list-style-type: none"> Demonstrated financial need Minimum GPA of 3.0 and satisfactory performance 	<ul style="list-style-type: none"> October 31 Statement of experience with the Métis community Cannot be receiving funding from Rupertsland Institute – Métis Training to Employment Services
International Ph.D. Research Award (School of Graduate Studies)	Value: \$6,000 (disbursed in six equal payments in six consecutive semesters) Number: Variable	<ul style="list-style-type: none"> Entering international (Visa) students admitted to the School of Graduate Studies Ph.D. program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by School of Graduate Studies
Margaret Elliot McNally (Thomson) Graduate Studies Scholarship (Dr. Ed McNally) • <i>UofL honorary degree recipient Dr. Ed McNally established this award to encourage nursing students to pursue graduate studies</i>	Value: Up to \$5,000 Number: Variable	<ul style="list-style-type: none"> Full-time students enrolled in the M.Sc. (Nursing) program Preference given to entering students 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
University of Lethbridge Graduate Scholarship (UofL)	Value: \$1,500 to \$5,000 Number: Variable • Total amount to be awarded in one year is not to exceed \$5,000	<ul style="list-style-type: none"> Entering a full-time M.Ed. program Full-time status in the M.Ed. program in the Fall and Spring semesters during tenure 	<ul style="list-style-type: none"> Superior academic achievement in the equivalent of the last two years of study as evidenced at the time of consideration for the award 	<ul style="list-style-type: none"> Not required
25th Anniversary M.A. or M.Sc. Scholarship (UofL)	Value: \$2,500	<ul style="list-style-type: none"> Admission to the UofL M.A. or M.Sc. program 	<ul style="list-style-type: none"> Superior academic achievement 	<ul style="list-style-type: none"> Made at the time of initial <i>Application for Admission</i>

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
F.W. Hess and Family Award (Dr. M.P. Hess) <ul style="list-style-type: none"> • <i>Dr. Hess, a former UofL Senator (1985 to 1991) and honorary degree recipient (2004) encourages an understanding and respect of our water resources and the environment</i> 	Value: \$2,400 Number: Variable	<ul style="list-style-type: none"> • Canadian citizen or permanent resident of Canada • Enrolled in any Masters or Ph.D. program • Course of study must relate to the environment 	<ul style="list-style-type: none"> • Academic achievement (based on GPA and content of admission application documents) 	<ul style="list-style-type: none"> • March 1, May 1, or October 1 (admission application deadlines) • Application must include a statement explaining the relevance of the topic of study to the cultural, historic, physical or social environment, the intended research and its social and scholarly value • Selected by School of Graduate Studies committee
Faculty of Fine Arts Graduate Studies Entrance Award (School of Graduate Studies)	Value: Up to \$2,000 Number: Variable	<ul style="list-style-type: none"> • Entering a M.F.A. or M.Mus. program 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required • All students accepted into the eligible programs are considered automatically
International M.A./M.Sc. Research Award (School of Graduate Studies)	Value: \$2,000 Number: Variable	<ul style="list-style-type: none"> • Entering international (Visa) students admitted to the School of Graduate Studies M.A./M.Sc. program 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required • Nominated by School of Graduate Studies
Master of Arts Admission Scholarship (School of Graduate Studies/ Coca-Cola Company)	Value: \$2,000 Number: Up to three	<ul style="list-style-type: none"> • Entering a full-time, M.A. thesis-based program 	<ul style="list-style-type: none"> • Academic achievement • Minimum admission average of 3.5 GPA 	<ul style="list-style-type: none"> • All students accepted into a full-time, M.A. thesis-based program are considered automatically
Master of Counselling Scholarship (Faculty of Education)	Value: \$2,000 Number: Six (three for second year, three for third year)	<ul style="list-style-type: none"> • Successful completion of a minimum 12 credit hours for second year standing or 24 credit hours for third year standing 	<ul style="list-style-type: none"> • Academic achievement 	<ul style="list-style-type: none"> • Not required • Nominated by Faculty of Education • May receive award once at each year level of studies
Master of Science Admission Scholarship (School of Graduate Studies/ Coca-Cola Company)	Value: \$2,000 Number: Up to two	<ul style="list-style-type: none"> • Entering a full-time, M.Sc. thesis-based program 	<ul style="list-style-type: none"> • Academic achievement • Minimum admission average of 3.5 GPA 	<ul style="list-style-type: none"> • All students accepted into a full-time, M.Sc. thesis-based program are considered automatically

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Martin Oordt Scholarship (The Meliorist Publishing Society) • <i>Martin Oordt is a UofL Professor Emeritus and is largely responsible for the birth of The Meliorist</i>	Value: \$2,000	<ul style="list-style-type: none"> Students enrolled in Arts and Science or Education programs with a declared major in English Graduate students may also be considered 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) A proven interest in creative writing 	<ul style="list-style-type: none"> May 1
Ph.D. Admission Scholarship (School of Graduate Studies/ Coca-Cola Company)	Value: \$2,000 Number: One	<ul style="list-style-type: none"> Entering a full-time, Ph.D. thesis-based program 	<ul style="list-style-type: none"> Academic achievement Minimum admission average of 3.75 GPA 	<ul style="list-style-type: none"> All students accepted into a full-time, Ph.D. thesis-based program are considered automatically
Derrick and Lytta Pereira Management Prize (Anil Pereira '87 & Sheryl (Turnbull) Pereira '87)	Value: \$1,500	<ul style="list-style-type: none"> Admission to the M.Sc. Management program 	<ul style="list-style-type: none"> Excellence as demonstrated on the Application for Admission 	<ul style="list-style-type: none"> Not required
LaValley Graduate Studies Award (Cindy LaValley) • <i>Established by UofL alumnus Cindy LaValley as a tribute to her parents, Mona and Stanley LaValley, who viewed access to education as an important pathway to success</i>	Value: \$1,500	<ul style="list-style-type: none"> Students entering or continuing any full- or part-time graduate studies program Must reside in, or have just moved from, a rural or small town community in southern Alberta prior to starting at the UofL 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Profiling Alberta's Graduate Students Award (Alberta Scholarships Program)	Value: Up to \$1,500 (funds awarded one-time, per academic year) Number: Variable	<ul style="list-style-type: none"> Full-time graduate students registered in a thesis-based Masters or Doctoral program Canadian citizens or permanent residence living in Alberta Preference given to second-year Masters and third- or fourth-year Ph.D. students 	<ul style="list-style-type: none"> Presentation of student research at important or major national and/ or international conferences Must be registered full-time at the time of the conference Must be in good standing academically in a graduate program 	<ul style="list-style-type: none"> Required; submitted to School of Graduate Studies Normally, one award during the tenure of a student's program
Alberta Society of Professional Biologists Scholarship (Alberta Society of Professional Biologists) • <i>The Society's purpose is to protect the interests of the public and to enhance the professional status of biologists in the province of Alberta</i>	Value: \$1,250 Number: Two	<ul style="list-style-type: none"> Continuing graduate (Master's or Ph.D.) students in Biological Sciences 	<ul style="list-style-type: none"> Academic achievement Excellence in biological research 	<ul style="list-style-type: none"> Not required ASPB will provide finances for travel, lodging, and meals for recipients to present research to ASPB members. Request for poster, abstract or summary be sent to ASPB

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
John Farwell Memorial Award (Family of John Farwell) <ul style="list-style-type: none"> In memory of John Farwell, a UofL faculty member in Theatre and Dramatic Arts, from 2003 to 2008. Established by his family in support of drama students 	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> Entering M.F.A. Theatre and Dramatic Arts with an interest in design 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required Nominated by Department of Theatre and Dramatic Arts
First Nations Graduate Programs in Education Entrance Scholarship (Faculty of Education)	Value: \$1,000 (GPA); \$1,500 (GPA and financial need) Number: Two	<ul style="list-style-type: none"> Entering part-time or full-time students in any Faculty of Education Master's program First Nations, Métis, or Inuit ancestry 	<ul style="list-style-type: none"> One award: academic achievement One award: academic achievement and financial need 	<ul style="list-style-type: none"> May 1
Tooker Gomberg Graduate Award (Dr. Anthony Hall) <ul style="list-style-type: none"> Established through a gift from Dr. Tony Hall in honour of Tooker Gomberg. Mr. Gomberg was a politician and environmental activist, who was often controversial. He founded one of Canada's first curbside recycling programs 	Value: \$1,000	<ul style="list-style-type: none"> Graduate students in a Master of Arts program with any Humanities or Social Sciences major 	<ul style="list-style-type: none"> Most adeptly engages public controversy to advance the public good as demonstrated in the application 	<ul style="list-style-type: none"> Separate application required by November 1 Must submit an accepted thesis proposal or interim abstract of thesis and statement of public engagement activities
Graduate Programs in Education Entrance Scholarship (Faculty of Education)	Value: \$1,000 Number: Varies One each for: M.Ed. General; M.Ed. Educational Leadership; M.Ed. Counselling Psychology; Master of Counselling	<ul style="list-style-type: none"> Entering part-time or full-time students in any Faculty of Education Master's program 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> Not required
Supporting Our Students Award (The University Community) <ul style="list-style-type: none"> Generous contributions from the University community, including faculty, staff, retirees, Board of Governors, Senate members, alumni, and other friends of the UofL, established this award to support UofL students 	Value: \$1,000 Number: Variable	<ul style="list-style-type: none"> Full or part-time students entering or continuing any UofL graduate degree program 	<ul style="list-style-type: none"> Academic achievement Financial need 	<ul style="list-style-type: none"> May 1
Jacoba VandenBrink Award (Martin and Sonya Grympa) <ul style="list-style-type: none"> Jacoba VandenBrink immigrated to rural Alberta from Holland. Her vision was to provide a better life for her 13 children. She exemplified the notion of leadership by service to others 	Value: \$1,000 Number: Two, one entrance and one continuing award	<ul style="list-style-type: none"> Must be entering or continuing in a M.A. (Nursing) or M.Sc. (Nursing) program 	<ul style="list-style-type: none"> Academic achievement Demonstrated volunteer service or other community involvement Preference to demonstrated financial need 	<ul style="list-style-type: none"> May 1

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Women Scholars Award (UofL Women Scholars) <ul style="list-style-type: none"> This award was established through gifts from members of the UofL Women Scholars and underlines the importance of exploring gender issues 	Value: \$1,000	<ul style="list-style-type: none"> Entering, returning after an absence, or continuing graduate students who are studying part-time or full-time Students conducting research on gender issues or female students studying in a non-traditional discipline Preference to single parents 	<ul style="list-style-type: none"> Academic achievement; minimum GPA of 3.5 for entering students or satisfactory progress and standing in the graduate program for continuing students Preference to demonstrated financial need 	<ul style="list-style-type: none"> May 1 Submit a brief statement of exploration of gender issues and summary describing eligibility for the award
Research Dissemination Award (School of Graduate Studies) <ul style="list-style-type: none"> Established to showcase University of Lethbridge national and/or international achievements 	Value: Up to \$1,000 Number: Varies	<ul style="list-style-type: none"> Full-time M.A. or M.Sc. students in the second-year of study or full-time Ph.D. students in the third- or fourth-year of study Priority is given to international students 	<ul style="list-style-type: none"> Students must be first author or presenter at a nationally or internationally recognized conference 	<ul style="list-style-type: none"> May 15, October 15 and February 15 Submitted to the School of Graduate Studies Award is a reimbursement only after the conference presentation
Archaeological Society of Alberta (Lethbridge) Scholarship (Archaeological Society of Alberta, Lethbridge Centre)	Value: \$500	<ul style="list-style-type: none"> Preference to graduate students with a major in archaeology Third- or fourth-year undergraduate students with a major in archaeology 	<ul style="list-style-type: none"> Academic achievement 	<ul style="list-style-type: none"> May 1
Graduate Students' Association Travel Award (Graduate Students' Association)	Value: Up to \$500 (Award not to exceed travel costs, accommodation, and registration fees minus other travel grants received)	<ul style="list-style-type: none"> Full-time graduate students 	<ul style="list-style-type: none"> Presenting at an internationally recognized conference Must be admitted to graduate program at the UofL prior to the conference Financial need 	<ul style="list-style-type: none"> November 1, March 1, and July 1 Must apply for the award prior to departure for conference May receive award once per degree
Master of Science (Management) Bursary - Peter & Helen Kelley (Peter and Helen Kelley)	Value: \$500	<ul style="list-style-type: none"> Entering or continuing students enrolled in a M.Sc. (Management) program 	<ul style="list-style-type: none"> Financial need 	<ul style="list-style-type: none"> May 1

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Political Science Graduate Studies Award (Alan Siaroff)	Value: \$500	<ul style="list-style-type: none"> • Graduating students or B.A. degree holders (from the UofL) 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 • Preference to recent grads (within three years of B.A. completion) 	<ul style="list-style-type: none"> • Academic achievement (minimum GPA of 3.3) 	<ul style="list-style-type: none"> • Not required • Nominated by the Department of Political Science
Dr. James D. Tagg History and Citizenship Award (Czechoslovak Canadian Cultural Society of Southern Alberta, and friends) <ul style="list-style-type: none"> • <i>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</i> 	Value: \$500	<ul style="list-style-type: none"> • Continuing undergraduate or graduate students majoring in History 	<ul style="list-style-type: none"> • Academic achievement • Community involvement 	<ul style="list-style-type: none"> • May 1 • Nominated by the Department of History
Chinook Chemistry and Biochemistry Prizes (Faculty/Staff in the Department of Chemistry and Biochemistry) <ul style="list-style-type: none"> • <i>Leading-edge research involving students is a hallmark of the UofL. This prize is to recognize the significant contributions our students make in research</i> 	Value: \$300 for first prize \$100 for second prize Number: Four first prizes Four second prizes	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Completion and participation in the Chinook Symposium poster competition 	<ul style="list-style-type: none"> • Not required • Nominated by the Department of Chemistry and Biochemistry
M.A., M.Sc., Ph.D. Bursary (School of Graduate Studies/ Coca-Cola Company)	Value: \$250 up to a maximum \$1,000 Number: Variable	<ul style="list-style-type: none"> • Full-time M.A. and M.Sc. students enrolled in a thesis-based, two-year program and full time Ph.D. students 	<ul style="list-style-type: none"> • Financial need • Satisfactory status in the program 	<ul style="list-style-type: none"> • Required, at time of need • Documentation to support demonstrated need must accompany application • Students can access this bursary twice and combined award total cannot exceed \$1,000

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
Biology Graduate Research Symposium Prize for Research Achievement (Faculty/Staff in the Department of Biological Science) <ul style="list-style-type: none"> Novel research involving graduate or undergraduate students is a hallmark of the UofL. This prize is to recognize the significant contributions our students make in research 	Value: \$200 for first prize \$100 for second prize Number: 2 first prizes (one poster, one oral presentation) 2 second prizes (one poster, one oral presentation)	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Best symposium presentation (oral or poster) 	<ul style="list-style-type: none"> Not required Symposium judges determine prizes
GSA Executive Award (School of Graduate Studies)	Value: Variable; equivalent of a GTA Number: Variable	<ul style="list-style-type: none"> Entering or continuing graduate students Members of the GSA Executive Have completed no more than 24 months in a Masters or 36 months in a PhD program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0 Masters or 3.5 PhD) Satisfactory progress and standing in the graduate program 	<ul style="list-style-type: none"> Not required May receive this award once
M.A./M.Sc. Advantage Award (School of Graduate Studies)	Value: Variable Number: Variable	<ul style="list-style-type: none"> Entering or continuing full-time students admitted to a thesis-based M.A. or M.Sc. program Funding is available for the initial 24 months of the Master's program 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.0) and financial need. Renewal in the second year of study is contingent upon need and satisfactory progress and standing in the graduate program 	<ul style="list-style-type: none"> Not required for first year Receipt of additional funds will impact the award amount Applying for external funding is expected
Ph.D. Advantage Award (School of Graduate Studies)	Value: Variable Number: Variable	<ul style="list-style-type: none"> Entering or continuing full-time students admitted to a Ph.D. program and are enrolled in the first 36 months of study 	<ul style="list-style-type: none"> Academic achievement (minimum GPA of 3.5) and financial need. Renewal in the second and third year of study is contingent upon need and satisfactory progress and standing in the graduate program 	<ul style="list-style-type: none"> Required Apply at the School of Graduate Studies All external award funding must be disclosed

TITLE AND DONOR	VALUE AND NUMBER	ELIGIBILITY	CRITERIA	APPLICATION
6. ACADEMIC MEDALS				
Faculty of Arts and Science Gold Medal (UofL)	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)	<ul style="list-style-type: none"> • Must have completed the degree requirements in the Faculty of Arts and Science during the current academic year 	<ul style="list-style-type: none"> • Awarded to the most distinguished student graduating from the Faculty of Arts and Science 	<ul style="list-style-type: none"> • Not required
Faculty of Education Gold Medal (UofL)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements during the current academic year 	<ul style="list-style-type: none"> • Awarded to a student graduating with Great Distinction or Distinction 	<ul style="list-style-type: none"> • Not required
William Aberhart Gold Medal in Education (Alberta Teachers' Association)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements during the current academic year 	<ul style="list-style-type: none"> • Awarded to the student who has shown the highest general proficiency in the final two years of the Bachelor of Education program 	<ul style="list-style-type: none"> • Not required
Faculty of Fine Arts Gold Medal (UofL)	Number: One	<ul style="list-style-type: none"> • Must have completed requirements during the current academic year 	<ul style="list-style-type: none"> • Awarded to the most distinguished student graduating from the Faculty of Fine Arts 	<ul style="list-style-type: none"> • Not required
School of Graduate Studies Medals of Merit (UofL)	Number: Five	<ul style="list-style-type: none"> • Must have completed requirements during the current academic term 	<ul style="list-style-type: none"> • Awarded to the most distinguished students graduating with a Master's degree 	<ul style="list-style-type: none"> • Not required
Faculty of Health Sciences Gold Medal (UofL)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements during the current academic year 	<ul style="list-style-type: none"> • Awarded to the most distinguished student graduating from the Faculty of Health Sciences 	<ul style="list-style-type: none"> • Not required
Faculty of Management Gold Medal (UofL)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements during the current academic year 	<ul style="list-style-type: none"> • Awarded to the most distinguished student graduating from the Faculty of Management 	<ul style="list-style-type: none"> • Not required
The Gold Medal of the Governor General of Canada (The Governor General of Canada)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements in the current academic year 	<ul style="list-style-type: none"> • Awarded to the graduating student with the highest academic standing in a graduate-level program 	<ul style="list-style-type: none"> • Not required
The Silver Medal of the Governor General of Canada (The Governor General of Canada)	Number: One	<ul style="list-style-type: none"> • Must have completed degree requirements in the current academic year 	<ul style="list-style-type: none"> • Awarded to the graduating student with the highest academic standing in a Bachelor's Degree program 	<ul style="list-style-type: none"> • Not required

7. FINANCIAL ASSISTANCE

Application forms and information for Government Financial Assistance Programs are available from the Scholarships and Student Finance Office (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 certificate, diploma or degree
- Demonstrated financial need.

All government financial aid programs are need based. Students apply for the program through a provincial application form. One application encompasses the Canada Student Loans and Grants program, and Provincial Loans and Grants. The Scholarships and Student Finance Office has all provincial application forms and staff will assist students to determine which application to use. Students must apply to the province which they are considered residents of, not necessarily the province 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 documents and grant cheques will be sent (either to the school or to the student's address on their application). If the loan document is not certified by the school when the student receives it, the loan document must be taken to the University of Lethbridge Cash Office (AH144). Tuition and fees owing will be deducted from the loan document. The document is then brought to the Scholarships and Student Finance Office (AH151) for official verification of full-time enrolment. The loan document is then sent to the applicable lender or 'service provider'; **check your loan document for instructions on how to get your money. 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:
www.alis.alberta.ca/studentsfinance
- All other provincial links can be accessed from:
www.canlearn.ca

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 from Courses

Students must maintain a minimum course load in order to stay eligible for government student assistance. When on full-time government student assistance, a student must maintain a minimum of a 60 percent course load (9.0 credits per Fall or Spring semester). If a student withdraws to below a 60 percent course load, 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 from courses.

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.

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1. ADMISSIONS

In addition to processing all applications for admission, Admissions personnel provide on-campus advising regarding admission requirements and application procedures to prospective students. Admissions is located in the Registrar's Office and Student Services (ROSS) (SUI40; 403-320-5700).

Admissions website: www.uleth.ca/ross/admissions

2. BOOKSTORE

Retail Services

The University Bookstore is located on Level 2 of the Students' Union Building. It stocks all required texts and course materials. The Bookstore also carries a full line of general reading books, stationary, art supplies, University apparel, and giftware. Hours of operation are 8:30 a.m. to 4:30 p.m., Monday through Friday. Extra hours are posted and advertised as required.

Textbook Reservation Service

The Bookstore will do your textbook shopping for you. Access the Bookstore's website at www.uleth.ca/bookstore for information as it becomes available. Textbook reservation

service is only available for the Fall semester and is open for submissions as of April.

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 from 9:00 a.m. to 3:30 p.m., except during semester opening (watch for time changes). As well, the Bookstore sponsors semi-annual 'Used Book Sell Backs.' These 'Sell Backs' are held for five days each semester during exam week in April and December. Exact dates and times are posted on campus and on the Bookstore website. During the Sell Backs, a representative of a book wholesale company is at the Bookstore, purchasing used texts which, although they may not be used at the University of Lethbridge, will be used at other universities in North America. The prices paid for these books are determined by the wholesaler.

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.

3. 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* (SU232) and the City of Lethbridge.

4. CAMPUS 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 IT Solutions Centre in University Hall (E610). Picture ID is required. For more information on hours or location call the IT Solutions Centre (tel. 403-329-2490). The initial card is free—replacing a damaged, lost, or stolen card is \$10.

5. 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, STI's, pregnancy, nutrition, HIV and AIDS, drug and alcohol abuse, sexual abuse, mental health, spirituality, feminism, daycare services, self-esteem, losing weight, and piercing.

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.

6. 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 experiential learning, 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. 104)**
- *Applied Studies website:* www.uleth.ca/apst
- Co-operative Education/Internship Programs - see **Part 7 - Arts and Science, Section 8 (p. 106)**
- *Arts and Science Co-operative Education website:* www.uleth.ca/coopl/fas

Management

- Co-operative Education Program - see **Part 11 - Management, Section 5 (p. 216)**
- *Faculty of Management Co-operative Education website:* www.uleth.ca/management/programs/undergraduate/enhance-your-resume/co-op-program

Career and Employment Services (CES): Services for Students and Graduates

Career Exploration/Job Search Techniques - As students explore careers, CES assists them in gathering occupational information such as qualifications, job duties, education requirements, and labour market conditions. We also assist students in any aspect of the job search process (e.g., resumé writing, interview techniques) either on an individual appointment basis or in a group workshop.

Job Postings - Students/Graduates looking for a job, whether it is part-time, temporary, summer, or full-time after graduation can view job postings online at CES job board. Go to our website to view all our services including a link to the CES job board. Log onto the job board with your U of L username and password.

On-Campus Recruitment (OCR) - CES assists employers in recruiting UofL students throughout the year. OCR postings can be found on the CES job board. Students are required to sign-up on our contact lists by major in order to participate.

Career Resources - CES maintains the resource area located in the CCS. It offers information on international careers, education and training, career options, job search techniques, and career planning. Books are available for in-office use. Visit the CES homepage for listings of online resources for career and employment opportunities.

Career Events - Each Fall CES coordinates the annual UofL Career Fair. The fair is open to all students and provides an exceptional opportunity to gather information on career paths and to network with potential employers. Other events are offered throughout the year.

Graduate Employment Services - Upon graduation, students can continue to utilize all the services of CES. Alumni are

encouraged to contact CES before leaving campus to sign up for graduate employment services to ensure they continue to receive relevant career-related information.

CES website: www.uleth.ca/ross/ces

For further information on all programs, please contact the Career & Co-op Services at 403-329-2000 or visit us in Anderson Hall (AH154).

7. CATERING AND FOOD SERVICES - PROVIDED BY ARAMARK HIGHER EDUCATION

On May 1, 2013, the University is pleased and proud to welcome Aramark Higher Education to our campus as our new catering and food services partner! Aramark is a world-class corporation operating dining services at hundreds of universities and colleges across Canada and around the world.

Aramark Higher Education will open new retail food outlets and offer enhanced dining and catering services 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, to luncheons to full-service formal banquets and receptions. Menus are planned to meet individual client requirements and budgets.

Locations

In the coming months, ARAMARK will undertake significant renovations and enhancements to many of the retail food outlets on campus. These exciting changes will bring new and vibrant changes to food services at the University of Lethbridge.

Our signature dining outlet will be located adjacent to the Atrium on Level 6 of University Hall. Plans for this newly renovated concept include a completely rejuvenated décor with personal service stations offering fresh made-to-order selections including hand made pizzas and calzones, a stunning Euro-style Deli and Bakery featuring homemade soups, salads and sandwiches, an Asian Fusion station, a selection of fresh Sushi, a Personal Pasta Bar, and a full service BBQ Grill. Menus are rotated weekly, featuring home-style "comfort food" as well as new and innovative menu ideas. In addition, our new signature outlet will feature holiday fare and special event menus throughout the year including themed buffets and special events.

Regular operating hours:

Monday-Friday	7:30 a.m.	-	9:00 p.m.
Saturday & Sunday	9:00 a.m.	-	9:00 p.m.
Holidays	9:00 a.m.	-	6:00 p.m.

Note: Operating hours may be subject to change.

Tim Hortons - a full service Tim Hortons is now open in the 1st Choice Savings Centre for Sport & Wellness

Starbucks - coming Fall 2014

Subway - coming soon to University Hall Level 6 Section C

Tim Hortons Express - coming soon to University Hall Level 6 Section C

Tim Hortons Express - planned for the 1st Choice Savings Centre for Sport & Wellness

Booster Juice - planned for the 1st Choice Savings Centre for Sport & Wellness

Bento Sushi Station - planned for the Library Building on Level 9 by the Security Office

8. 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 (AH173). For more information please call 403-317-2849.

Chaplaincy website: www.uleth.ca/ross/counselling/chaplaincy

9. 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.

10. CONFERENCE AND EVENT SERVICES

Conference & 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 & Event Services coordinates conferences, meetings, special events, summer accommodations, facilities, and support services for the University, southern Alberta community, and casual guests within a sustainable environment.

Located conveniently on campus, the summer hotel provides easy access to University facilities as well as the downtown core. We aim to provide comfortable accommodations at affordable prices. Running from May to August, Conference & Event Services offers the only hotel on the west side of Lethbridge.

Conference & 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 700 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.

Hours of operation are from 8:30 a.m. to 4:30 p.m., Monday to Friday, with additional support as requested for special events. Extended summer hours of operation are from 8:00 a.m. to 7:00 p.m., Monday to Sunday. Call 403-329-2244; fax: 403-329-5166; email: cnf@uleth.ca

Book everything online through our website: www.uleth.ca/conference

11. 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 the Regional Hospital. Personal crisis situations experienced after hours should be directed to the Distress Line of Southwestern Alberta (403-327-7905).

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.

12. 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. Dealing with 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 Disabilities Resource Centre (B760; 403-329-2766).

The Disabilities Resource 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 Disabilities Resource staff who will then direct students to the appropriate University office or personnel. Further information is available on the Disabilities website.

Disabilities website: www.uleth.ca/ross/disabilities

13. GRADUATE AND PROFESSIONAL SCHOOL EXAMINATIONS

The Counselling Services office is an authorized test centre 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 Counselling Services website (www.uleth.ca/ross/counselling). Information bulletins are also available at Counselling Services (TH218) or at the Career & Co-op Services (AH154).

14. HEALTH CENTRE

The Health Centre is open Monday through Friday from 9:00 a.m. to 4:00 p.m. in SU020. Call 403-329-2484 or drop by SU020 for appointments.

Health Centre email: health.centre@uleth.ca.

Follow us on Twitter @ULethHealth www.twitter.com/ULethHealth

LIKE us on Facebook - University of Lethbridge Health Centre www.facebook.com/UniversityOfLethbridgeWellness

Services are available to students and employees and are confidential. Services include the following:

- Physician Clinics (Monday through Friday)
- Psychiatrist Clinics (limited appointments and by referral only)
- Chiropractor Clinics (Monday and Friday mornings, Wednesday afternoons)
- Registered Massage Therapist
- Nursing Assessment and Care (one-to-one education, treatments, questions)
- Basic Health Insurance Inquiries

On-Campus First Aid

Call 911 for ambulance if emergency medical aid is required; when directed to hang up by the 911 Operator, call campus security at 2345 or 403-329-2345. For any on-campus first aid, inform your supervisor, and call Security at 403-329-2345 for immediate first aid service.

First Aid Coordination

The University of Lethbridge strives to work together within this 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 extension 403-332-4469 for any questions or assistance pertaining to first aid preparedness including training, equipment, 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

Students can book time with the Health Educator for one-to-one education on any topic of concern. The Health Centre Educator is available to give presentations to small groups or classes and can assist with getting a guest speaker from a local health organization. Campus-wide health education events are held throughout the 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 - <http://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 SU180.

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 also grow academically. Please ask for help when you need it!

15. 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, resumé 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 Piikani House, Tsuu T'ina House, and Residence Village (RV) units are assigned to students in their second and subsequent years of study. Opening Fall 2013 a new 259 bed apartment style residence complex for returning students. 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 Catering and Food Services Residence Dining Plan Brochure, or by calling Catering and Food Services at 403-329-2491.

Website: www.uleth.ca/food

Transfer and Continuing Students

Aperture Residential Park Single Housing Apartments and Townhomes - Our apartment and townhouse-style buildings accommodate 520 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 barbeques 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 Aperture Park Phase 3 buildings are located south of Aperture Drive.

Aperture Residential Park Family Townhouses

Housing for married, common-law, or and 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. One 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, toiletry items, athletic gear, iron, laundry soap, cleaning supplies, vacuum cleaners, and bedding. University Hall residents are not allowed to have kitchen appliances in their rooms including but not limited to microwaves, kettles, toasters, and bar fridges.

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 UofL ID number you may log on to the Housing Residence Portal to apply. All applications must be accommodated 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 as 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.

Rates

The Board of Governors approves rental rates and Residence Dining Plan costs each spring and applicants are advised of the new rates as soon as possible. The 2013/2014 rates are as follows:

Traditional-Style Residences (Furnished)

• double room	\$1,236/semester
• hallway single room	\$2,012/semester
• suite single room	\$1,852/semester
• suite large single room	\$2,096/semester
• executive hallway single room	\$2,352/semester
• executive suite single room	\$2,144/semester
• executive suite large single	\$2,248/semester

Apartments and Townhomes (Furnished)

• one bedroom unit	\$3,820 - \$3,868/semester
• two bedroom unit	\$2,408 - \$2,456/semester
• four bedroom unit	\$2,384 - \$2,444/semester
• six bedroom unit	\$2,352/semester
• four bedroom RV TH Exc unit (double bed)	\$2,580/semester

• four bedroom RV TH lower unit	\$2,496/semester
• one bedroom unit (Tsuu T'ina)	\$3,820/semester
• two bedroom large unit (Tsuu T'ina)(double bed)	\$2,516/semester
• two bedroom small unit (Tsuu T'ina)	\$2,368/semester

NEW Aperture Park Phase 3 Complex (Furnished)

• studio unit (double bed)	\$2,600/semester
• executive studio unit (double bed)	\$2,900/semester
• two bedroom unit (double bed)	\$2,700/semester
• four bedroom unit (double bed)	\$2,600/semester

Townhome Family Units (Unfurnished)

• one bedroom (H/C)	\$877/month
• two bedroom unit	\$1,003/month
• three bedroom unit	\$1,067/month

Residence Dining Plan

- **University Hall** (Commuter Plan) - \$2,849 for a two-semester period
- **Kainai House** (Aperture Plan) - \$2,046 for a two-semester period

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

16. INFORMATION TECHNOLOGY

The Department of Information Technology provides computer support to the University community.

Student computing facilities supported by the Department include the University Hall E6 Computer Labs (4 PC labs), the Anderson Hall Computer Lab (1 PC lab), the University Hall B5 Computer Labs (3 PC labs and 1 Macintosh lab), and the University Hall B7 Computer Lab (1 PC lab). (Each computer lab contains approximately 30 computers.) These central facilities are typically open:

Monday-Thursday	8:00 a.m.	-	10:00 p.m.
Friday	8:00 a.m.	-	5:00 p.m.
Saturday - Sunday	10:00 a.m.	-	5:00 p.m.

24-hour facilities include the Atrium Study Centre (30 computers), the E648 computer lab, and email stations (50 located around campus).

All student computing facilities on campus are connected to the Internet. The communications software provided can be used to access campus resources (e.g., the Library catalogues, Fitness Centre and Recreation Services schedules, the University of Lethbridge Calendar, course offerings, and the final exam schedule). Other software available to all students includes statistical analysis packages, graphics editors, database software, spreadsheets, word processors, different programming languages, as well as applications specific to individual academic fields. Additional services include access to scanners, CD/DVD writers, and video capture equipment. Black and white and colour laser printing are available for a nominal fee.

A number of other departments maintain additional computing facilities, including Computer Science (60 Linux stations), Geography (25 PC computers), Modern Languages (36 PC computers), and the Library (150 PC computers).

Wireless networking is available in most areas on campus. Service is available via two different methods:

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.

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.

All students on campus automatically receive an email account at no charge. For more information, please contact the IT Solutions Centre at tel. 403-329-2490.

The official Computer Use Policy is available online at www.uleth.ca/policy/computer-use-policy.

Information Technology website: www.uleth.ca/it

17. INTERNATIONAL CENTRE FOR STUDENTS

See **Part 6 - International and Exchange Students and the International Centre for Students** in this Calendar.

18. INTERNATIONAL STUDENT ADVISOR

See **Part 6 - International and Exchange Students and the International Centre for Students** in this Calendar.

19. LETHBRIDGE PUBLIC INTEREST RESEARCH GROUP (LPIRG)

The Lethbridge Public Interest Research Group (LPIRG) is a student-funded, student-directed, not-for-profit organization providing resources for undergraduate students to engage with environmental and social justice issues. LPIRG embraces plurality and participation, and encourages students to critically evaluate the institutions and systems in which they take part. LPIRG assists students in translating their knowledge through research, education, and action to serve public interest.

LPIRG receives \$5 from each UofL undergraduate student in the Fall and Spring semesters. (This levy is fully refundable if a student so chooses.) LPIRG uses this money to fund student research, events, and projects demonstrated to be in the *public interest*, as well as providing additional administration, organization, and information resources that allow students to become engaged citizens.

Funding can be accessed for undergraduate research, special events, travel to conferences and workshops, and working groups (collectives of students and possibly community 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: SU242 (UofL Students' Union Building)

Email: pirg@uleth.ca

Website: www.lpirg.org

20. 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 and e-books as well as 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, electronic indexes/databases is restricted to current UofL students, faculty, and staff.

Library website: www.uleth.ca/lib

On-Site Services

Assistance: Library staff is 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 need, 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 UofL Campus 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 may 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 & 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, Macintosh 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/edu/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

21. 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* (SU232).

22. NATIVE STUDENT ADVISING

The Native Student Advising Office is located in the Registrar’s Office and Student Services (ROSS) in the Students’ Union Building. This is a free confidential service for those students who self identify as First Nations’, Métis, or Inuit. The primary role of the advising office is to guide, encourage, and empower students in the university environment so that they may achieve their highest potential.

The advisor can help you make the transition to the University by helping you access services such as:

- Housing information
- Scholarships and loans information
- Financial planning
- Academic planning
- Personal counselling
- Career and employment counselling
- Tutor support
- Elder support

In addition, the advisor can connect you to your First Nations’, Métis, and Inuit 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

For an appointment call 403-320-5700 or visit the Information Centre (SUI40).

Native Student Advising website: www.uleth.ca/first-nations-metis-inuit

23. OFF-CAMPUS HOUSING

To help students who choose to live off campus, Recruitment and Student Life maintains an off-campus housing registry which lists properties available for rent in the Lethbridge area. This list has excellent community support and is frequently updated. You can access the list online or pick up a paper copy in the Off-Campus Housing Office. We can also mail you a current list. Please contact Off-Campus Housing at 403-329-2092 for more information.

Off-Campus Housing website: www.uleth.ca/offcampushousing

24. OFFICE OF THE ASSOCIATE VICE-PRESIDENT (STUDENTS)

The Office of the Associate Vice-President (Students) includes the Registrar's Office and Student Services (ROSS); First Nations', Métis, and Inuit Centre; and Recruitment and Retention Integrated Planning. Student Services include Career and Employment Services, Counselling Services, the Disabilities Resource Centre, the International Centre for Students, 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.

ROSS Website: www.uleth.ca/ross

25. 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 vended 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.

Vended Photocopiers/Printers: Vended card-operated photocopiers/printers are located throughout the Library; in the Level 6 Atrium; in Anderson Hall; and in the Anderson Hall, E6, and computer labs. The vended copiers accept Bridge Bucks—using your UoFL 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 Markin Hall. 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, from 8:30 a.m. to 4:30 p.m. (Park Way Service Complex; tel. 403-329-2626).

Printing Services website: www.uleth.ca/printing

26. RECRUITMENT AND STUDENT LIFE

The Recruitment and Student Life Office provides information to prospective students, their families, and high school and college guidance counsellors on all aspects of the university and student life. This includes information about programs, admission requirements, tuition fees, scholarship and research opportunities, on- and off-campus housing, and student services. Recruitment and Student Life also organizes events and activities which help students make the transition to university life and celebrate their success, such as New Student Orientation, Rookie Camp, and Convocation.

Campus tours, prospective student advising, the "Connections" (student for a day) program, and events and visits for high school and college counsellors are also arranged through Recruitment and Student Life. Recruitment Officers travel across Canada to represent the University of Lethbridge in high schools and colleges. Students interested in the University of Lethbridge should contact us at 403-329-2762 or inquiries@uleth.ca.

Recruitment and Student Life website: discover.ulethbridge.ca

27. REGISTRAR'S OFFICE

The Registrar's Office houses a number of units that assist students with everything from an introduction to the University, to registering in courses, to applying for graduation. The units located in the Registrar's Office include Admissions; Documents and User Support; the Information Centre; Recruitment and Student Life; the Student Information System (SIS) team; and Student Records/Registration.

This office is responsible for producing the Calendar and the Timetable; managing 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.

Details of services offered by Admissions and Recruitment and Student Life are available elsewhere in this part of the Calendar.

ROSS website: www.uleth.ca/ross

28. RISK AND SAFETY SERVICES

Risk and Safety Services (RSS) 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 use the University facilities. Our services are multifaceted including safety audits, hazard assessments, and safety training (including lab and radiation safety); WHMIS, CPR/First Aid, and other safety training; administration of the University's insurance program; risk orientation for club and University events, field trips, practicum, co-op, affiliations, internships, and international travel programs; waiver creation and administration; incident/accident investigation; claims management; ensuring regulatory compliance with provincial and federal statutes; contract review; and overseeing the University's Alcohol Policy. RSS

offices are located in Anderson Hall and our staff can be contacted as follows:

Safety Officers (AH129): 403-329-2350 and 403-329-2190
Risk Analyst (AH128): 403-329-2099
Manager (AH127): 403-382-7176

Risk and Safety Services website:
www.uleth.ca/hum/riskandsafetyservices

29. SECURITY AND PARKING (INCLUDING LOST AND FOUND)

The Security and Parking Administration Office is located in the Library building (L911, 403-329-2603).

Security

Security Officers provide security of campus buildings, loss prevention, first aid response, incident investigation, lost and found services, and control of parking and traffic on campus.

The Campus 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).

Permit Rates for 2013/2014:

Non-plug	\$370.00/year
	\$296.00/8 months
	\$166.00/semester (access to Lot E)
	\$325.00/year
Plug-in	\$260.00/8 months
	\$146.00/semester (access to Lot M and N)
	\$485.00/year
	\$388.00/8 months
	\$218.00/semester (access to Lot FS)

Individuals with special needs should apply for a permit to park in assigned areas. Applications are available through Security 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 (C420).

Visitor parking is available at meters or short-term (one hour to all day) permits may be obtained from permit dispensers located in Lots C, D, E, H, K, L, M, and N; at the Cash Office (AH144); or at the Security and Parking Administration Office (L911).

Parking maps may be obtained from the Cash Office or Campus Security.

The official Security and related policies are available online at www.uleth.ca/security.

The official Parking and related policies are available online at www.uleth.ca/pln/prk.

Parking website: www.uleth.ca/pln/prk

30. 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 Judo (club)
- 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 the University's Scholarships and Student Finance Office.

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: horns.uleth.ca

Facilities and Services (403-329-2706)

The 1st Choice Savings Centre for Sport and Wellness building hours are as follows:

Monday-Thursday	5:30 a.m.	-	11:00 p.m.
Friday	5:30 a.m.	-	9:00 p.m.
Saturday-Sunday	8:00 a.m.	-	8:00 p.m.
Holidays	10:00 a.m.	-	5:00 p.m.
CLOSED - December 25, January 1			

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. Memberships, lockers, and registrations for recreation programs are sold at this location. This is also the controlled access point to all facilities and locker rooms. Your student ID card is required for ALL access. This includes all academic classes, locker room access, and casual use.

Fitness Centre/Indoor Track

The Fitness Centre is located in PE156. Access to the indoor track is via the stairwell in the Fitness Centre.

Max Bell Aquatic Centre

Please visit our website for swim times (www.uleth.ca/sportrec).

This 50-metre training facility features several springboards, a 3-metre and 5-metre dive tower, and a 12.5-metre x 21-metre movable floor.

Triple Gymnasium

Please visit our website for Open Gym times (www.uleth.ca/sportrec).

Ascent Climbing Centre

Please visit our website for Climbing Centre times (www.uleth.ca/sportrec).

Come check out the 53-foot-high wall and additional bouldering cave.

Stadium

Located on the south end of the campus. Please visit our website for Open times and details (www.uleth.ca/sportrec).

Locker Rooms - Men and Women

Both men's and women's main locker rooms have steam rooms. Access to the locker rooms requires your student ID card as these rooms are beyond the Customer Service Centre, which is our controlled access point. We also have a dedicated family change room as well as day use locker rooms for men and women.

- Towel Service Lockers
 - Available for one, two, or three semester rental
- Textbook Lockers
 - Level 4 – University Centre for the Arts (Music Department)
 - Level 6 – University Hall (outside E690)
 - Level 7 – University Centre for the Arts (stairwell overlooking Atrium)
 - Level 8 – University Centre for the Arts (Art Department)

Marketing (403-332-5253)

There are numerous marketing opportunities available in the 1st Choice Savings Centre, Nicholas Sheran Arena, and the University of Lethbridge Community Stadium. We offer unique opportunities and benefits to reach captive and consistent audiences. Whether through innovative advertising, sponsorship, or promotions we can help generate brand awareness to a key target demographic of students, staff, alumni, community, and Pronghorn fans.

For more information on partnership opportunities please contact the Business Development Manager at 403-332-5253.

Facility Bookings (403-329-2658)

For all facility bookings and rentals please call 403-329-2658.

Programming (403-329-2706)

Sport and Recreation Services offers a diverse selection of seasonal recreation and fitness activities and programs including, but not limited to, the following:

- Swim Lessons - Private & Group for both children and adults
- Climbing courses
- Dance classes
- First aid and CPR courses
- Fitness - Personal Training & Assessments
- Fitness classes
 - Aqua aerobics
 - Cycling
 - Group
 - Prenatal
 - Walking
- Golf Lessons
- Gymnastics
- High Performance Training
- Intramural Sports
- Sport Clubs
 - Badminton
 - Curling
 - Dance/Cheer
 - Golf
 - Ringette
 - Softball (Ladies Fastpitch)
- Walking
- Kayaking
- Lifeguarding and instructing courses
- Martial arts
- Sport Camps
- Yoga

NOW AVAILABLE – Online registration for most programs!

For further information or to register for programs please contact the Customer Service Centre.

Full programming information is described in our free Activity Guide as well as on our website.

Sport and Recreation Services website: www.uleth.ca/sportrec

31. 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, 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 the Scholarships and Student Finance Office, located in Anderson Hall (AH151; 403-329-2585) or online at www.uleth.ca/ross/student-finance/awards.

Deadlines for applications are:

Board of Governors' Admission and Relocation Awards

December 15 (no separate scholarship application is required; a completed Admission application is required)

Entrance Awards - High School students

Fall Entrance Awards - March 15
Spring Entrance Awards - November 15

Entrance Awards - Transfer students

Fall Entrance Awards - June 1
Spring Entrance Awards - November 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 completed and received in the Scholarships and Student Finance Office no later than the designated date. Application forms and information are available from the following website:

www.uleth.ca/ross/student-finance/ (click on "Awards" tab).

While the University reserves the right to make awards to students who have not applied, no student who has not applied may claim any 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 totalling 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:

- 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.

Scholarships and Student Finance website:
www.uleth.ca/ross/student-finance

32. 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. The Scholarships and Student Finance Office provides application forms and 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 2012/2013 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 credit hours) 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.

For application forms and more information, please visit the Scholarships and Student Finance Office, 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)

33. STUDENTS' UNION

The Students' Union exists to provide advocacy and services for its members. It represents students on UofL internal committees as well as Federal and Provincial committees and agencies, which determine education policies. Promoting the rights and the welfare of all UofL students is the Students' Union's primary concern.

Any undergraduate student registered at the University may run for one of the 20 positions on the Students' Council (some restrictions may apply). Elections are held in February or March each year with the term of office running May 1 to April 30. Council meetings are held regularly and are open to all students.

Students' Union Building (SUB)

Opened in the Fall of 1990, the SUB is a joint project of the Students' Union, the University of Lethbridge and the Government of Alberta. Overlooking 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), UofL 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

Arts and Science Committees

- Arts and Science Committee on Research and Teaching
- Arts and Science Council
- Arts and Science Curriculum Coordinating Committee
- Arts and Science Executive Committee
- Arts and Science Planning Committee
- Arts and Science Committee on Liberal Education

Other Committees

- Bookstore Advisory Committee
- Budget Committee
- Convocation Committee
- Distinguished Teacher Selection Committee
- Fee Review Committee
- Grade Appeals Policy Advisory Committee
- Presidents' Advisory Committee on Ethical Behaviour
- Printing Services Advisory Committee
- Resource and Teaching Development Committee

Scholarships and Bursaries

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):

- 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
- 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 SUI80 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 UofL who pay Students' Union fees are automatically included in an extended health and dental care program.

The health coverage includes prescription drugs (80% on a managed formulary), ambulance benefit, physiotherapy, chiropractic services, massage therapy, naturopath, speech therapy, medical equipment and appliances, dental accident benefit, accidental death and dismemberment, and emergency travel medical coverage. This plan does not replace provincial health care.

The dental care coverage includes basic and preventative services (75%) such as checkups, cleanings, and X-rays; minor restorative services (50%) such as fillings and extractions; endodontic services (75%) such as root canal therapy; and periodontal services (75%) such as scaling and gum treatment. 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 (SUI80) 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 UofL 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, William Sampson, and Bill Nye. 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 SUI80 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. Our experienced staff prepare great and affordable meals all day. 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 it 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.

The Red Fort 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

34. 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 SUI66, telephone number 403-329-2334. *The Meliorist* can also be viewed online at www.themeliorist.ca.

35. UNIVERSITY ADVANCEMENT

University Advancement builds relationships with alumni, donors, and the broader community to raise awareness of and support for the University of Lethbridge.

Comprised of the Departments of Development, Communications, and Alumni Relations, University Advancement is responsible for alumni relations, fundraising, public relations, media relations, and marketing and communications initiatives of the University.

University Advancement staff are responsible for the management of the following:

- alumni relations activities and fundraising;
- publications, graphic design, visual identity/branding, and communications and media relations activities for the institution.

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.

36. 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/artsci/academic-writing/writing-centre

Part 17

ACADEMIC STAFF

PROFESSORS EMERITI

AITKEN, Nola	Education	KENYON, Gerald Sidney	Sociology
ALLEN, Jeremiah Mervin	Economics	KUIJT, Job	Biological Sciences
ALI, M. Keramat	Physics	KWONG, Luke	History
ARMS, Robert Louis	Psychology and Neuroscience	LATTA, William Charlton Jr.	English
ARMSTRONG-ESTHER, Christopher	Health Sciences	LESKIWI, J. Russell	Education
AUFRECHT, Walter Emanuel	Geography	LETKEMANN, Peter Jacob	Sociology
AXFORD, Herbert Melvin	Economics	LITTLE, Neil G.	Kinesiology and Physical Education
BAKER, William	History	LITTLE BEAR, Leroy	Native American Studies
BALDERSON, Wesley	Management	LOEWEN, Arthur	Education
BENDER, Christopher Owen	Chemistry and Biochemistry	LONG, John Anthony	Political Science
BLAIR, Dean	Music	LOO, Robert	Management
BOLDT, Menno	Sociology	MANN, George A.	Sociology
BOWIE, Garald William	Physical Education	MCCARROLL, Billy	Art
BUCHIGNANI, Norman L.	Anthropology	McKENNA, Ian	Management
BUHRMANN, Hans Gunther	Physical Education	MCCURDY, Keith Gordon	Chemistry and Biochemistry
BULLOCK, Robert Earl	Biological Sciences	MICHENER, Gail Rosalind	Biological Sciences
BURNETT, Dale	Education	MIKHAIL, Edward Halim	English
BUTTERFIELD, Philip	Philosophy	MOKOSCH, Eric	Education
CADE, William	President & Vice-Chancellor	NAKAMURA, Kazuo	Biological Sciences
CAMPBELL, Gordon	Education	NELSON, Toni L.	Management
CASSIS, Awny Fayez	English	NICOL, Ken	Management
CANTELON, Hart	Kinesiology & Physical Education	ORCHARD, George Edward	History
COOK, William Aubrey	Education	O'SHEA, Seamus	Chemistry and Biochemistry
COSGROVE, Ronald Michael	Education	PENTON, M. James	History
CRANE, Charlie	Art	PETHERBRIDGE, Douglas Lawrence	Education
DANIELS, Dayna	Kinesiology & Physical Education	PIMENTEL, Linda	Education
DAY, James Albert Peter	Kinesiology and Physical Education	PREUSS, Peter Siegfried	Philosophy
DAYKIN, Phillip Norman	Computer Science	READ, J. Donald	Psychology and Neuroscience
DOLMAN, Douglas	Chemistry and Biochemistry	RIDLEY, Una	Health Sciences
DUA, Bhagwan D.	Political Science	ROGERSON, Robert	Geography
ELTON, David Kitchener	Political Science	SANDILANDS, Mark Lawson	Psychology and Neuroscience
EPP, Richard Allen	Theatre and Dramatic Arts	SHIMAZAKI, Hiroshi	Management
EVELYN, George Elbert	Music	SKINNER, Ches	Theatre and Dramatic Arts
FALKENBERG, Eugene Edward	Education	SMITH, W.A.S. (Sam)	Psychology and Neuroscience
FLETCHER, Roy Jackson	Geography	STANLEY, Sara Ann	Theatre and Dramatic Arts
FRANTZ, Donald Gene	Native American Studies	STEBBINS, Lucius LeBaron	Biological Sciences
FREASE, Dean Ellis	Sociology	TAGG, James D.	History
GALL, Robert Stephen	Education	TEILLET, Philippe	Physics and Astronomy
GANSKE, Ludwig	Education	TENNANT, Howard E.	Management
GREENE, Myrna Lorraine	Education	THOMSON, Colin Argyle	Education
HALL, Ronald	Philosophy	TWA, Robert James	Education
HENSLOWE, Shirley Anne	Education	TYSON, Brian Fergus	English
HESSE, M. Gudrun	Modern Languages	UPTON, Paul Stanley	English
HICKEN, Ken	Music	WADE, Nick	Art
HICKS, Herb	Art	WAGENAAR, Emile B.	Biological Sciences
HOLMES, Owen Gordon	Chemistry and Biochemistry	WALKER, Laurence	Education
HOLZMANN, Wolfgang H.	Mathematics and Computer Science	WEAVER, Larry	Art
HOYE, Laurence George	Mathematics and Computer Science	WEBKING, Edwin William	Political Science
HUEL, Raymond A.J.	History	WILLIAMS, Albert Warren	History
ICHIKAWA, Akira	Political Science	WOODS, John Hayden	Philosophy
INDRA, Doreen M.	Anthropology	YOSHIDA, Ronald Mamoru	Philosophy
JACKSON, John-Paul Christopher	Music	YOUNG MAN, Alfred	Native American Studies

IN MEMORIAM, 2012

ANDERSON, Robert	Education	PARRY, Keith	Anthropology
BIRCHFIELD, Donald	Native American Studies	ROBINSON, Michael	Biological Sciences
DRAYLAND, Vern	Education	RUSSELL, Gordon Walter	Psychology
NEEDHAM, Lucien	Music	SCHULTZ, Arvid	Physics and Astronomy

FACULTY OF ARTS AND SCIENCE

Dean - TBA

Associate Deans

R. Barendregt

M. Letts

M. Mellow

Assistant Dean (Curriculum) - C. Calver

Dean's Office: Academic and Professional Staff

DELISLE, Richard

B.A., M.A. (Montréal), Ph.D. (South Africa), Ph.D. (Montréal); Assistant Professor, Liberal Education Program

HALL, Anthony James

B.A., M.A. (York), Ph.D. (Toronto); Professor, Liberal Education Program

HOGUE, Michelle M.

B.Sc. (Regina); Assistant Professor and Coordinator of First Nations Transition Program

KIZUK, Randall Alexander

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LOBE, Clifford A.

B.Theology (Canadian Mennonite Bible College), B.A., M.A. (Manitoba), Ph.D. (Alberta); Assistant Professor and Coordinator of Academic Writing

MACKAY, D. Bruce

B.A. (Lethbridge), MTS (Harvard Divinity School), Ph.D. (Toronto); Assistant Professor and Coordinator of Liberal Education Program

KANASHIRO, A. Catherine

B.Mgt. (Lethbridge), C.A.; Director of Finance and Administration

RANDA, Sandra

CMA; Financial Analyst (Research)

STEELE, Corinne D.

B.Mgt. (Lethbridge), C.A.; Financial Analyst

Academic Assistants:

AMBEDIAN, Lynn M.

B.A. (Western Ontario), M.A. (Toronto)

BERTEOTTI, Jasmin F.

B.Sc. (Lethbridge); Coordinator of Applied Studies

GAUDETTE-SHARP, Stacey L.

B.A., M.A. (Lethbridge); Assistant Coordinator for Applied Studies and Co-operative Education

GOMEZ-RIVIERE, Esteban

B.Sc. (Carleton), M.A. (Pennsylvania State); Academic Assistant in First Nations Transition Program

JOHNSRUDE, Shawn

B.Sc., B.Ed. (Lethbridge), M.Ed. (Calgary); Academic Assistant, Curriculum & Academic Scheduling

YOUNG, Diana R.

B.Ed. (Hons.) (Liverpool), M.A. (Durham); Academic Assistant, and Director, Co-operative Education and Faculty Communications

Academic Advisors:

BUZIAK-PRUS, Carla

B.A. (Lethbridge); Student Program Advisor

DESIREAU, Christina

B. Comm. (Hons.) (Queen's); Student Program Advisor

MILLS, Beth

B.A. (Lethbridge); Student Program Advisor

MURPHY, Debbie

B.A. (Athabasca); Student Program Advisor

PREYDE, Jacqueline

B.A., M.H.Sc. (Toronto), M.A. (Windsor); Student Program Advisor

RODE, Lesley B.

B.S.W. (Calgary); Student Program Advisor

ANTHROPOLOGY

CHAIR - J. Newberry

July 1, 2011 - June 30, 2014

CUÉLLAR, Andrea

B.A., M.A., Ph.D. (Pittsburgh); Associate Professor of Anthropology

CUNNINGHAM, Jeremy

B.A. (Calgary), M.A. (Western Ontario), Ph.D. (McGill); Assistant Professor of Anthropology

FERZACCA, Steve F.

B.A. (Arizona), M.A., Ph.D. (Wisconsin); Associate Professor of Anthropology & Coordinator of Public Health

KINGFISHER, Catherine P. (Leave: July 1 - December 31, 2013)

B.A. (Beloit College), M.A., Ph.D. (Michigan State); Professor of Anthropology

MacKENZIE, C. James (Leave: January 1 - June 30, 2014)

B.A., M.A. (Alberta), Ph.D. (Albany); Assistant Professor of Anthropology

NEWBERRY, Janice C.

B.A. (Missouri, Columbia), M.A. (Wyoming), Ph.D. (Arizona); Associate Professor of Anthropology

WHITEHEAD, Judith A. (Leave: July 1 - December 31, 2013)

B.A. (British Columbia), M.A., Ph.D. (Toronto); Associate Professor of Anthropology

WILSON, Patrick C.

B.A. (Augustana College, Illinois), Ph.D. (Pittsburgh); Associate Professor of Anthropology

ARCHAEOLOGY - SEE GEOGRAPHY

ART - SEE FACULTY OF FINE ARTS

BIOLOGICAL SCIENCES

CHAIR - B.Selinger

July 1, 2012 - June 30, 2015

BAIN, John Frederick

B.Sc., M.Sc., Ph.D. (Alberta); Professor of Biological Sciences

BURG, Theresa M.

B.Sc., M.Sc. (British Columbia), Ph.D. (Cambridge); Associate Professor of Biological Sciences

DANYK, Helena Cecile

B.Sc., M.Sc. (Alberta); Academic Assistant in Biological Sciences

FLANAGAN, Lawrence B.

B.Sc., M.Sc. (Alberta), Ph.D. (Toronto); Professor of Biological Sciences

GOATER, Cameron P.

B.Sc. (Brandon), Ph.D. (Exeter); Associate Professor of Biological Sciences

GOLDEN, Joanne L.

B.Sc., M.Sc. (Lethbridge); Academic Assistant in Biological Sciences

GOLSTEYN, Roy M. (Leave: July 1, 2013 - December 31, 2013)

B.Sc. (Lethbridge), M.Sc. (Calgary), Ph.D. (Cambridge); Associate Professor of Biological Sciences

HONTELA, Alice

B.Sc. (Ottawa), M.Sc., Ph.D. (Alberta); Professor of Biological Sciences

HURLY, T. Andrew

B.Sc. (Toronto), M.Sc., Ph.D. (Queen's); Professor of Biological Sciences

KOVALCHUK, Igor P.

B.Sc., M.D. (Ivano-Frankivsk State Medical Academy), Ph.D. (Ukrainian Scientific Genetics Center); Professor of Biological Sciences

KOVALCHUK, Olga V.

B.Sc., M.D. (Ivano-Frankivsk State Medical Academy), Ph.D. (Ukrainian Scientific Genetics Center); Professor of Biological Sciences

LAIRD, Robert Andrew

B.A., M.A. (Queen's), Ph.D. (Calgary); Assistant Professor of Biological Sciences

MENDEZ, Katrina M.

B.Sc. (Alberta), M.Sc. (Lethbridge); Academic Assistant in Biological Sciences

PACARYNUK, Laurie A.

B.Sc., M.Sc. (Calgary); Academic Assistant in Biological Sciences

RASMUSSEN, Joseph B.

B.Sc., M.Sc. (Alberta), Ph.D. (Calgary); Professor of Biological Sciences

ROOD, Stewart Boone

B.Sc. (Alberta), Ph.D. (Calgary); Professor of Biological Sciences

RUSSELL, Anthony *(Leave: July 1, 2013 - June 30, 2014)*

B.Sc., Ph.D. (British Columbia); Assistant Professor of Biological Sciences

SCHULTZ, Elizabeth A.

B.Sc. (McMaster and Guelph), Ph.D. (Saskatchewan); Associate Professor of Biological Sciences

SELINGER, L. Brent

B.Sc., M.Sc., Ph.D. (Saskatchewan); Professor of Biological Sciences

STEYNEN, Quintin

B.Sc., M.Sc. (Lethbridge); Academic Assistant in Biological Sciences

THOMAS, James Ernest

B.Sc., Ph.D. (McMaster); Professor of Biological Sciences

ZIEMIENOWICZ, Alicja

B.A., M.Sc. (Poland), Ph.D. (Switzerland), D.Sc. (Poland); Associate Professor of Biological Sciences

CHEMISTRY AND BIOCHEMISTRY**CHAIR - TBA**

July 1, 2013

BOERÉ, René Theodoor *(Leave: July 1, 2013 - June 30, 2014)*

B.Sc. (Dalhousie), Ph.D. (Western Ontario); Professor of Chemistry

DIBBLE, Peter William

B.Sc., Ph.D. (Waterloo); Associate Professor of Chemistry

ENG, John Alan

B.Sc. (Simon Fraser); Academic Assistant in Chemistry and Biochemistry

FINDLAY, Susan M.

B.Sc. (Guelph), Ph.D. (Calgary); Academic Assistant in Chemistry and Biochemistry

FISCHER, Kristopher E.

B.Sc., M.Sc. (Lethbridge); Academic Assistant in Chemistry and Biochemistry

GERKEN, Michael

B.Sc., M.Sc. (Gerhard-Mercator), Ph.D. (McMaster); Associate Professor of Chemistry

HAKIN, Andrew William

B.Sc., Ph.D. (Leicester); Professor of Chemistry

HAYES, Paul G. *(Leave: July 1, 2013 - June 30, 2014)*

B.Sc. (Mount Allison), Ph.D. (Calgary); Associate Professor of Chemistry

HAZENDONK, Paul

B.Sc. (Winnipeg), M.Sc. (Manitoba), Ph.D. (McMaster); Associate Professor of Chemistry

LIPPA, Wayne K.

B.Sc., B.Ed. (Lethbridge); Academic Assistant in Chemistry and Biochemistry

MONTINA, Anthony

B.Sc., M.Sc. (Lethbridge); Academic Assistant in Chemistry and Biochemistry

MOSIMANN, Steven C.

B.Sc., Ph.D. (Alberta); Assistant Professor of Chemistry

PATENAUDE, Greg W.

B.Sc. (Guelph), Ph.D. (Victoria); Academic Assistant in Chemistry and Biochemistry

ROUSSEL, Marc R.

B.Sc. (Queen's), M.Sc., Ph.D. (Toronto); Professor of Chemistry

WETMORE, Stacey D.

B.Sc. (Mount Allison), Ph.D. (Dalhousie); Associate Professor of Chemistry

WIEDEN, Hans-Joachim

B.S., M.S. (Heinrich-Heine), Ph.D. (Witten); Associate Professor of Biochemistry

WIEDEN-KOTHE, Ute *(Leave: July 1, 2013 - June 30, 2014)*

B.Sc., M.Sc., Ph.D. (Germany); Assistant Professor of Biochemistry

ZHENG, Ying

B.Ed. (York), B.Sc., M.Sc. (Zhongshan), M.Sc., Ph.D. (Toronto); Academic Assistant in Chemistry and Biochemistry

DRAMA - SEE FACULTY OF FINE ARTS**ECONOMICS****CHAIR - D. Le Roy**

July 1, 2011 - June 30, 2014

ALI, Kamar

B.Sc., M.Sc. (Chittagong), M.Sc. (University College London), Ph.D. (West Virginia University); Assistant Professor of Economics

BJØRNLUND, Henning

B.Bus., Ph.D. (South Australia); Associate Professor of Economics

DARKU, Alexander B.

B.A., M.Phil. (Ghana), M.A., Ph.D. (McGill); Assistant Professor of Economics

DAVIDSON, Jeffrey J.

B.Mgt. (Lethbridge), M.Sc. (Guelph); Academic Assistant in Economics

GHAZALIAN, Pascal L.

B.S. (Lebanon), M.S. (Greece), Ph.D. (Saskatchewan); Assistant Professor of Economics

KLEIN, Kurt Kenneth

B.S.A., Dip.Ag., M.Sc. (Saskatchewan), Ph.D. (Purdue); Professor of Economics

LANYI, Michael G.

B.A. (York), M.A. (Simon Fraser); Academic Assistant in Economics

LE ROY, Danny Gilbert

B.A. (Carleton), M.A., Ph.D. (Guelph); Associate Professor of Agricultural Economics

MALLA, Stavroula

B.A. (Macedonia), M.Sc., Ph.D. (Saskatchewan); Associate Professor of Economics

MUELLER, Richard E.

B.A., M.A. (Calgary), Ph.D. (Texas, Austin); Associate Professor of Economics

ROCKERBIE, Duane Wesley

B.B.A., M.A., Ph.D. (Simon Fraser); Associate Professor of Economics

TOWNLEY, Donna J.

B.A. (Brandon), M.A. (Saskatchewan); Academic Assistant in Economics

TRAN, Kien C.

B.Sc. (Saskatchewan), M.A. (Rochester), Ph.D. (Western Ontario); Associate Professor of Economics

ENGLISH**CHAIR - A. Carter**

July 1, 2011 - June 30, 2014

BENZON, Kiki

B.A. (McGill), M.A. (British Columbia), Ph.D. (University College London); Associate Professor of English

CALVER, Cheryl Dawnan

B.A. (Saskatchewan), M.A., Ph.D. (McMaster); Associate Professor of English

CARTER, Adam T.C.

B.A., M.A. (Saskatchewan), Ph.D. (McMaster); Associate Professor of English

FAITH, Wendy

B.A., M.A. (Regina), Ph.D. (Calgary); Academic Assistant in English

GALWAY, Elizabeth *(Leave: January 1 - June 30, 2014)*

B.A. (Toronto), M.A. (Durham), Ph.D. (Exeter); Associate Professor of English

GAMBLE, Jay

B.A., M.A. (Waterloo), Ph.D. (Calgary); Academic Assistant in English

HAWKINS, Maureen S.G.

B.A. (Indiana), M.A. (Leeds), Ph.D. (Toronto); Assistant Professor of English

McADAM, R. Ian (Leave: July 1, 2013 - June 30, 2014)
B.A. (Victoria), M.A. (Toronto), Ph.D. (Dalhousie); Professor of English

MONK, Craig
B.A. (Hons.) (Memorial), M.A. (Western Ontario), M.St., D.Phil. (Oxford);
Professor of English

MORGENTALER, Goldie (Leave: July 1 - December 31, 2013)
B.A. (Bennington College), Dip.Ed., M.A., Ph.D. (McGill); Professor of English

NG, Maria N. (Leave: January 1 - June 30, 2014)
B.A., M.A., Ph.D. (British Columbia); Associate Professor of English

O'DONNELL, Daniel P.
B.A. (St. Michael's College at Toronto), M.A., Ph.D. (Yale); Professor of English

GEOGRAPHY

CHAIR - W. Xu

July 1, 2012 - June 30, 2015

BARENDREGT, René William
B.Sc. (Lethbridge), M.Sc. (Delft), Ph.D. (Queen's); Professor of Geography

BOON, Sarah
B.Sc. (Victoria), Ph.D. (Alberta); Associate Professor of Environmental Science

BUBEL, Shawn T.
B.Sc. (Lethbridge), M.A., Ph.D. (K.U. Leuven); Associate Professor of Archaeology

BYRNE, James M.
B.Sc., M.Sc., Ph.D. (Alberta); Professor of Geography

COBURN, Craig A.
B.Sc. (Saskatchewan), M.Sc. (Alberta), Ph.D. (Simon Fraser); Associate Professor of Geography

DUKE, Guy
B.Sc., M.Sc. (Lethbridge); Academic Assistant in Geography

HOPKINSON, Christopher
B.Sc. (Hons.) (UK); M.E.S., Ph.D. (Waterloo); Associate Professor of Geography

HUGENHOLTZ, Christopher H.
B.Sc., M.Sc. (Ottawa), Ph.D. (Calgary); Assistant Professor of Geography

JISKOOT, Hester
Doctoraal (Amsterdam), Ph.D. (Leeds); Associate Professor of Geography

JOHNSON, Daniel L.
B.Sc. (Saskatchewan), M.Sc., Ph.D. (British Columbia); Professor of Environmental Science

JOHNSTON, Thomas R.R.
B.A., M.A. (Guelph), Ph.D. (Waterloo); Associate Professor of Geography

KIENZLE, Stefan W.
B.Sc., M.Sc. (Hanover), Ph.D. (Heidelberg); Associate Professor of Geography

LETTS, Matthew G.
B.A., B.Sc. (Queen's), M.Sc. (McGill), Ph.D. (London); Associate Professor of Geography

MacLACHLAN, Ian Robertson
B.A., M.A. (Carleton), Ph.D. (Toronto); Professor of Geography

McGEOUGH, Kevin M. (Leave: January 1 - June 30, 2014)
B.A. (Lethbridge), M.T.S. (Harvard), Ph.D. (Pennsylvania); Associate Professor of Archaeology

MONTAIN, Jacqueline M.
B.A.Sc. (Lethbridge), M.S.A. (Ryerson Polytechnic); Academic Assistant in Geography

PEDDLE, Derek Roland (Leave: January 1 - December 31, 2013)
B.Sc. (Memorial), M.Sc. (Calgary), Ph.D. (Waterloo); Professor of Geography

STAENZ, Karl
M.Sc., Ph.D. (Switzerland); Professor of Geography

TOWNSHEND, Ivan J.
B.A., M.A., Ph.D. (Calgary); Associate Professor of Geography

XU, Wei
B.Sc., M.A. (East China Normal), M.A., Ph.D. (Guelph); Professor of Geography

HISTORY

CHAIR - C. Epplett

July 1, 2012 - June 30, 2015

BURTON, Christopher J.
B.A. (Memorial), M.A. (Carleton), Ph.D. (Chicago); Associate Professor of History

EDWARDS, Harriet
B.A. (Hons.) (UWI), M.A. (England), M.Phil., Ph.D. (Trinidad); Academic Assistant in History

EPPLETT, W. Christopher
B.A., M.A. (McMaster), Ph.D. (British Columbia); Associate Professor of History

FUJIWARA, Gideon
B.A. (UBC), M.A. (Tohoku); Assistant Professor of History

GREENSHIELDS, Malcolm Ross
B.A., M.A. (Saskatchewan), D.Phil. (Sussex); Professor of History

HAY, David J. (Leave: July 1 - December 31, 2013)
B.A. (Queen's), M.A., Ph.D. (Toronto); Associate Professor of History

HOSGOOD, Christopher Philip
B.A. (Victoria), M.Phil. (Leicester), Ph.D. (Manitoba); Associate Professor of History

KENNEDY, V. Lynn
B.A. (Western Ontario), M.A. (Queen's), M.L.I.S., Ph.D. (Western Ontario); Associate Professor of History

MacDONALD, Heidi E.
B.A. (Mount St. Vincent), M.A. (Saint Mary's), Ph.D. (New Brunswick); Associate Professor of History

McMANUS, Sheila M.
B.A. (Calgary), M.A. (Victoria), Ph.D. (York); Associate Professor of History

NUGENT, Janay B.
B.A. (Lethbridge), M.A., Ph.D. (Guelph); Associate Professor of History

SHAW, Amy J.
B.A. (York), M.A. (McMaster), Ph.D. (Western Ontario); Associate Professor of History

KINESIOLOGY AND PHYSICAL EDUCATION

CO-CHAIRS

M. Helstein (July 1, 2013 - June 30, 2016)

I. Wong (July 1, 2012 - June 30, 2015)

ADAMS, Carly
B.H.K. (Windsor), M.A., Ph.D. (Western Ontario); Associate Professor of Kinesiology

BOCKSNICK, Jochen Gerd
Diplomsportlehrer (Johannes Gutenberg), M.Sc. (Saskatchewan), Ph.D. (Alberta); Associate Professor of Kinesiology

BRAYTON, Sean
B.A. (Lethbridge), M.A., Ph.D. (Alberta); Assistant Professor of Kinesiology

BROWN, Lesley A.
B.P.E. (McMaster), M.H.K. (Windsor), Ph.D. (Waterloo); Professor of Kinesiology

COPELAND, Jennifer L.
B.Sc. (Mt. Allison), M.Sc., Ph.D. (New Brunswick); Associate Professor of Kinesiology

DOAN, Jonathon E. (Leave: January 1 - June 30, 2014)
B.Sc. (Guelph), M.Sc. (Queen's), Ph.D. (Lethbridge); Assistant Professor of Kinesiology

DYCK, Mary
B.A. (Lethbridge), M.Sc. (North Dakota), Ph.D. (Calgary); Academic Assistant in Kinesiology and Physical Education

GONZALEZ, Claudia
B.A. (Mexico), M.A., Ph.D. (Lethbridge); Assistant Professor of Kinesiology

HAZELL, Tom
B.Kin.(Hons.) (McMaster), MHK (Windsor), Ph.D. (Western Ontario); Assistant Professor of Kinesiology

HELSTEIN, Michelle T.
B.A. (Augustana), Ph.D. (Alberta); Associate Professor of Kinesiology

KOSSUTH, Robert S.
B.A. (Wilfrid Laurier), M.H.K. (Windsor), Ph.D. (Western Ontario); Assistant Professor of Kinesiology

MAHON, Michael J.
B. Phys. Ed. (Manitoba), M.Sc. (Alberta), Ph.D. (North Carolina); Professor of Kinesiology

MARTIN, Luc
B.A., M.A., Ph.D. (Western Ontario); Assistant Professor of Kinesiology

SHAN, Gongbing
B.Sc. (Shandong), M.Sc., Ph.D. (Muenster); Professor of Kinesiology

SIMARD, J.P.C. Stephane
B.Sc. (Concordia), M.Sc. (Calgary); Academic Assistant in Kinesiology and Physical Education

TRINH, Fred
B.A. (Lethbridge); Academic Assistant in Kinesiology and Physical Education

VERZOSA, Sophia
B.Sc. (UBC), M.Sc. (Lethbridge); Academic Assistant in Kinesiology and Physical Education

WONG, Ilsa E.
B.Sc. (Waterloo), B.Ed. (Toronto), M.Sc. (Oregon); Academic Assistant in Kinesiology and Physical Education

MATHEMATICS AND COMPUTER SCIENCE

CHAIR - H. Kharaghani
July 1, 2012 - June 30, 2015

ADATIA, Aminmohamed
B.Sc., M.Sc. (Liverpool), M.Sc. (Saskatchewan), Ph.D. (Western Ontario); Associate Professor of Statistics

AKBARY, Amir (Leave: July 1, 2013 - June 30, 2014)
B.Sc., M.Sc. (Tehran), Ph.D. (Toronto); Professor of Mathematics

BENKOCZI, Robert
B.Sc., M.Sc. (Romania), Ph.D. (Simon Fraser); Assistant Professor of Computer Science

BOMHOF, Arie G.
B.Sc. (Lethbridge); Academic Assistant in Mathematics and Computer Science

CHALI, Yllias
Diploma in Engineering (CS) (Oran), M.Phil. (Algiers), M.Phil., Ph.D. (Paul Sabatier); Professor of Computer Science

CHENG, Howard C.H.
B.Sc., M.Sc. (Alberta), Ph.D. (Waterloo); Associate Professor of Computer Science

CONNOLLY, Dennis Michael
B.Sc. (Sydney), M.A. (Western Ontario), Ph.D. (York, England); Associate Professor of Mathematics

FODDEN, Brandon
B.Sc. (Queen's), M.Sc. (Toronto), Ph.D. (Queen's); Academic Assistant in Mathematics and Computer Science

GAUR, Daya R.
B.Sc. (Institute of Technology, Banaras Hindu), M.Sc., Ph.D. (Simon Fraser); Associate Professor of Computer Science

GRANT, Kevin (Leave: July 1 - December 31, 2013)
B.Sc., M.Sc., Ph.D. (Saskatchewan); Associate Professor of Computer Science

HOSSAIN, Shahadat (Leave: January 1 - December 31, 2013)
B.Sc. (Dhaka), M.Sc., Ph.D. (Bergen); Associate Professor of Computer Science

KADIRI, Habiba
B.Sc., M.Sc. (Bordeaux), Ph.D. (Lille); Assistant Professor of Mathematics

KAMINSKI, David Orest
B.Sc., M.Sc., Ph.D. (Manitoba); Associate Professor of Mathematics

KHARAGHANI, Hadi
B.Sc. (Tehran), M.Sc. (Shiraz), Ph.D. (Calgary); Professor of Mathematics

LEGG, Sean J.
B.Sc. (Memorial), M.Math. (Saskatchewan); Academic Assistant in Mathematics and Computer Science

LI, Hua
B.Sc. (Beijing Polytechnic), M.Sc. (Peking), Ph.D. (Regina); Associate Professor of Computer Science

MOMENI, Abbas
B.Sc. (T&T), M.Sc., Ph.D. (Sharif); Assistant Professor of Mathematics

MORRIS, David W. (Leave: July 1 - December 31, 2013)
B.A. (Wisconsin), M.Sc., Ph.D. (Chicago); Professor of Mathematics

MORRIS, Joy M.
B.A., B.Sc. (Trent), Ph.D. (Simon Fraser); Associate Professor of Mathematics

NG, Nathan
B.Sc. (British Columbia), M.Sc. (Toronto), Ph.D. (British Columbia); Associate Professor of Mathematics

OSBORN, Wendy K.
B.C.S., M.Sc. (Windsor), Ph.D. (Calgary); Assistant Professor of Computer Science

RICE, Jacqueline E.
B.Sc., M.Sc., Ph.D. (Victoria); Associate Professor of Computer Science

SHERIFF, John
B.A. (Guelph), M.Sc., Ph.D. (Toronto); Assistant Professor of Statistics

TAKEYASU, Trent M.
B.Mgt., B.Sc. (Lethbridge); Academic Assistant in Mathematics and Computer Science

WILSON, L. Nicole
B.Sc. (Lethbridge); Academic Assistant in Mathematics and Computer Science

WISMATH, Stephen Kenneth
B.Ed., B.Sc., M.Sc. (Queen's), Ph.D. (British Columbia); Professor of Computer Science

YAZDANI, Soroosh
B. Math (Waterloo), Ph.D. (Berkeley); Assistant Professor of Mathematics

ZHANG, John
B.Sc. (China), M.Sc., Ph.D. (Simon Fraser); Associate Professor of Computer Science

MODERN LANGUAGES

CHAIR - TBA
July 1, 2013

COLLADO, Melanie E.
M.A. (Calgary), Ph.D. (British Columbia); Associate Professor of Modern Languages

DEVOS, Brent W.
B.A. (Guelph), M.A. (Western Ontario), Ph.D. (Ottawa); Assistant Professor of Modern Languages

GENEE, W. B.A. (Inge)
B.A., M.A., Ph.D. (Amsterdam); Associate Professor of Modern Languages

GERWIN, Elisabeth M.
B.A. (Toronto), D.E.A. (France), Ph.D. (Buffalo); Assistant Professor of Modern Languages

McMEEKIN, Abigail

B.S., M.A. (Iowa), Ph.D. (Hawaii); Assistant Professor of Modern Languages

OSPINA, Luz Janeth

B.A., M.A. (Columbia); Academic Assistant in Modern Languages

POPE, Timothy Fairfax

M.A. (Oxford), M.A., Ph.D. (British Columbia); Professor of Modern Languages

RODRIGUEZ, Omar

M.A., Ph.D. (British Columbia); Assistant Professor of Modern Languages

ROSEN, Nicole (Leave: July 1 - December 31, 2013)

B.A. (Queen's), M.A., Ph.D. (Toronto); Associate Professor of Modern Languages

SPAGNOLO SADR, Tabitha

B.A., M.A. (British Columbia), Ph.D. (Duke); Assistant Professor of Modern Languages

TRILLIA, Raquel

B.A., B.Ed., M.A. (Western Ontario), Ph.D. (Toronto); Associate Professor of Modern Languages

URQUHART, Steven

B.A., B.Ed. (Waterloo), M.A. (Penn State), Ph.D. (Queen's); Associate Professor of Modern Languages

MUSIC - SEE FACULTY OF FINE ARTS**NATIVE AMERICAN STUDIES****ACTING CHAIR - TBA**

July 1, 2013

BEAULIEU, Hendrika

B.A., M.A. (Lethbridge), Ph.D. (Netherlands); Assistant Professor in Native American Studies

BELANGER, Yale D.

B.A. (Lethbridge), M.A. (Manitoba), Ph.D. (Trent); Associate Professor of Native American Studies

HARNETT, Tanya (Leave: January 1, 2014 - June 30, 2014)

B.F.A., M.F.A. (Alberta); Assistant Professor of Native American Studies

MANY GUNS, Linda

B.A. (St. Thomas), LLB (Ottawa), M.A. (Carleton); Assistant Professor of Native American Studies

NEUROSCIENCE**CHAIR - R. Sutherland**

July 1, 2011 - June 30, 2014

CROSS, Albert R.

B.Sc. (Saskatchewan), M.Sc. (Waterloo), Ph.D. (New Brunswick); Assistant Professor of Neuroscience

EUSTON, David R.

B.A.Sc. (California), M.A. (New Mexico), Ph.D. (Oregon); Assistant Professor of Neuroscience

GIBB, Robbin L.

B.Sc., M.Sc., Ph.D. (Lethbridge); Associate Professor of Neuroscience

GRUBER, Aaron

B.S. (Cincinnati), M.S. Ph.D. (Northwestern); Assistant Professor of Neuroscience

IWANIUK, Andrew Nicholas

B.Sc. (Monash), M.Sc. (Lethbridge), Ph.D. (Monash); Associate Professor of Neuroscience

KOLB, Bryan Edward

B.Sc., M.Sc. (Calgary), Ph.D. (Pennsylvania State), F.R.S.C.; Professor of Neuroscience

LUCZAK, Artur

M.A., Ph.D. (Poland); Assistant 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

PELLIS, Sergio M.

B.Sc., Dip.Ed., Ph.D. (Monash); Professor of Neuroscience

SUTHERLAND, Robert J.

B.Sc. (Trinity), M.A., Ph.D. (Dalhousie); Professor of Neuroscience

TATA, Matthew S. (Leave: January 1 - June 30, 2014)

B.Sc. (New York), M.Sc., Ph.D. (British Columbia); Associate Professor of Neuroscience

TATSUNO, Masami

B.A., M.A. Ph.D. (Japan); Assistant 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 - K. Peacock**

July 1, 2011 - June 30, 2014

ALWARD, Peter W.B.

B.Sc. (Toronto), M.A. (Dalhousie), M.A., Ph.D. (North Carolina, Chapel Hill); Associate Professor of Philosophy

ANDERSON, Ardis M.

B.A. (Lethbridge), M.A. (Dalhousie); Academic Assistant in Philosophy

BROWN, Martin Bryson (Leave: January 1 - June 30, 2014)

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

VIMINITZ, Paul Kenneth

B.A. (Regina), M.A. (Dalhousie), Ph.D. (Alberta); Assistant Professor of Philosophy

PHYSICS AND ASTRONOMY**CHAIR - D. Siminovitch**

January 1, 2012 - June 30, 2014

DAS, Saurya (Leave: July 1 - December 31, 2013)

B.Sc. (Presidency College, Calcutta), M.Sc., Ph.D. (Institute of Mathematical Sciences, Chennai); Associate Professor of Physics

DASGUPTA, Arundhati

B.Sc., M.Sc., Ph.D. (India); Associate Professor of Physics

FURGASON, Daniel John

B.Sc. (Lethbridge); Academic Assistant in Physics

NAYLOR, David Andrew (Leave: July 1 - December 31, 2013)

B.Sc. (Sussex), Ph.D. (Calgary); Professor of Physics

PATITSAS, Stathis (Steve) N.

B.Sc. (Laurentian), M.Sc., Ph.D. (British Columbia); Associate Professor of Physics

PREDOI-CROSS, Adriana (Leave: January 1 - June 30, 2014)

B.Sc. (Bucharest), Ph.D. (New Brunswick); Associate Professor of Physics

SEYED-MAHMOUD, Behnam

B.Sc. (Lethbridge), M.Sc. (Memorial), Ph.D. (York); Academic Assistant in Physics

SIMINOVITCH, David J.

B.Sc. (Carleton), M.Sc. (Toronto), Ph.D. (Guelph); Associate Professor of Physics

TIPPER, Mark

B.Sc., M.Sc. (Lethbridge); Academic Assistant in Physics

VOS, Kenneth J.E.

B.Sc., Ph.D. (Alberta); Associate Professor of Physics

WALTON, Mark Allan

B.Sc. (Dalhousie), M.Sc., Ph.D. (McGill); Professor of Physics

POLITICAL SCIENCE

CHAIR - TBA

July 1, 2013

HALE, Geoffrey

B.A. (Princeton), M.B.A., Ph.D. (Western Ontario); Professor of Political Science

JANSEN, Harold J.

B.A. (Alberta), M.A. (Carleton), Ph.D. (Alberta); Associate Professor of Political Science

KUKUCHA, Christopher J.

B.A. (British Columbia), M.A. (Windsor), Ph.D. (Alberta); Associate 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. (Leave: July 1, 2013 - June 30, 2014)

B.A., M.A. (Calgary), Ph.D. (Notre Dame); Professor of Political Science

PSYCHOLOGY

CHAIR - TBA

July 1, 2013

ALLEN, Scott W.

B.A. (Victoria), Ph.D. (McMaster); Associate Professor of Psychology

BARRETT, Louise

B.Sc., Ph.D. (London); Professor of Psychology

FORGIE, Margaret L.

B.A. (Simon Fraser), M.A., Ph.D. (Concordia); Academic Assistant in Psychology

HENZI, S. Peter

B.A., Ph.D. (South Africa); Professor of Psychology

HEPBURN, C. Gail (Leave: January 1 - December 31, 2013)

B.Sc. (Trent), M.A., Ph.D. (Queen's); Assistant Professor of Psychology

LALUMIÈRE, Martin (Leave: January 1 - December 31, 2013)

B.Sc., M.Ps. (Montréal), Ph.D. (Queen's); Professor of Psychology

LI, Fangfang

B.A. (Beijing), Ph.D. (Ohio State); 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

VASEY, Paul L. (Leave: July 1, 2013 - June 30, 2014)

B.A. (Alberta), M.A. (Simon Fraser), Ph.D. (Montreal); Professor of Psychology

VOKEY, John Richard

B.A. (Winnipeg), Ph.D. (McMaster); Professor of Psychology

WEEKS, Daniel J.

B.A. (Windsor), M.Sc. (McMaster), Ph.D. (Auburn); Professor of Psychology

RELIGIOUS STUDIES

CHAIR - TBA

July 1, 2013

HARDING, John S. (Leave: January 1 - June 30, 2014)

B.A. (Puget Sound), Ph.D. (Pennsylvania); Associate Professor of Religious Studies

KHALIL, Atif (Leave: July 1, 2013 - June 30, 2014)

B.A., M.A., Ph.D. (Toronto); Assistant Professor of Religious Studies

LINVILLE, James R.

B.A. (Alberta), Ph.D. (Edinburgh); Associate Professor of Religious Studies

ROBINSON, Thomas Arthur

B.A. (New Brunswick), M.C.S. (Regent College), Ph.D. (McMaster); Professor of Religious Studies

RODRIGUES, Hillary P.

B.Sc. (McGill), B.A., M.A., Ph.D. (McMaster); Professor of Religious Studies

SOCIOLOGY

CHAIR - C. Malacrida

July 1, 2011 - June 30, 2014

BIBBY, Reginald Wayne

O.C., B.A. (Alberta), B.D. (Southern Seminary), M.A. (Calgary), Ph.D. (Washington State), D.Litt. (h.c.) (Laurentian); Professor of Sociology

GRANZOW, Kara

B.A. (Lethbridge), M.A. (Waterloo), Ph.D. (Alberta); Assistant Professor of Sociology

HARRISON, Trevor W.

B.A. (Winnipeg), M.A. (Calgary), Ph.D. (Alberta); Professor of Sociology

KAZEMIPUR, Abdolmohammad

B.A., M.A. (Tehran), Ph.D. (Manitoba); Professor of Sociology

LAURENDEAU, Jason E.

B.Kin., M.A., Ph.D. (Calgary); Associate Professor of Sociology

MAIR, Kimberly (Leave: July 1 - December 31, 2013)

B.A., M.A., Ph.D. (Alberta); Assistant Professor of Sociology

MALACRIDA, Claudia A.

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

MELLOW, Muriel

B.A. (Toronto), M.A., Ph.D. (McGill); Associate Professor of Sociology

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

B.Mus., M.A. (Carleton), Ph.D. (Alberta); Assistant Professor of Sociology

WOOD, Robert T.

B.A. (Alberta), M.A. (Toronto), Ph.D. (Alberta); Professor of Sociology

WOMEN AND GENDER STUDIES

CHAIR - C. Williams

July 1, 2011 - June 30, 2014

BONIFACIO, Glenda L.

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

LENON, Suzanne J.

B.A. (Calgary), M.A. (Carleton), Ph.D. (Toronto); Assistant Professor of Women and Gender Studies

MULLER MYRDAHL, Tiffany K.

B.A. (Wisconsin), M. Public Policy, Ph.D. (Minnesota); Assistant Professor of Women and Gender Studies

STINGL, Michael Joseph (Leave: July 1, 2013 - June 30, 2014)

B.A. (Wisconsin-Madison), M.A., Ph.D. (Toronto); Associate Professor of Philosophy, and Women and Gender Studies

WILLIAMS, Carol J. (Leave: January 1 - June 30, 2014)

B.A. (Simon Fraser), M.A. (Leeds), Ph.D. (Rutgers); Associate Professor of Women and Gender Studies

WISMATH, Shelly L.

B.Sc. (Queen's), 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. Berteotti

Biochemistry - U. Wieden-Kothe

Canadian Studies - A. Shaw

Co-operative Education - D. Young (Director)

Environmental Science - S. Kienzle

Liberal Education - B. MacKay

Urban and Regional Studies - I. Townshend

FACULTY OF EDUCATION

Dean - C. Loewen

Associate Dean - R. Mrazek

Assistant Dean, Graduate Studies and Research in Education - K. Bernes

Assistant Dean, Student Program Services - T. Gunn

Assistant Dean, Field Experiences - L. Beaudin

Coordinator, Curriculum Laboratory - W. Glaister

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); Assistant Professor of Education

BEAUDIN, Lorraine C.

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

BERNES, Kerry

B.Ed., M.Sc., Ph.D. (Calgary); Professor of Education

BIG HEAD, Ramona

B.A./B.Ed. (Lethbridge), M.Ed. (Lethbridge), Ph.D. Candidate (British Columbia); Lecturer

BRIGHT, Robin

B.A., B.Ed., M.Ed. (Lethbridge), Ph.D. (Victoria); Professor of Education

BUTT, Richard

B.Ed., M.Ed. (Regina), Ph.D. (Ottawa); Professor of Education

CAMPBELL, Catherine

B.P.E. (Dalhousie), M.Ed., Ph.D. (Alberta); Associate Professor of Education

CHAMBERS, Cynthia Maude

B.Ed. (Saskatchewan), M.A., Ph.D. (Victoria); Professor of Education

FOWLER, Leah Cheryl (Leave: July 1 - December 31, 2013)

B.Sc., B.Ed., M.Ed. (Alberta), Ph.D. (Victoria); Associate Professor of Education

GLAISTER, William David

B.Ed. (Lethbridge), M.L.S. (Alberta); Professional Librarian

GRIGG, Lance Miles

B.A. (Hons.) (Saskatchewan), B.Th. (Newman), Ph.D. (Calgary); Associate Professor of Education

GRIGG, Nancy Carol

B.Ed. (Lethbridge), M.Ed. (Alberta), Ph.D. (Virginia); Associate Professor of Education

GUNN, Thelma Muriel

B.A. (Hons.), B.Ed. (Saskatchewan), M.Ed. (Sydney), Ph.D. (Saskatchewan); Associate Professor of Education

HASEBE-LUDT, Erika Luise

B.A. (Universitat des Saarlandes), B.Ed., Ph.D. (British Columbia), M.A. (Freie Universitat Berlin); Associate Professor of Education

HEFFERNAN, Peter John

B.A. (Hons.) (Trent), M.A. (Waterloo), M.A.T. (Simon Fraser), Ph.D. (Laval); Professor of Education

HEIDEBRECHT, Kenneth Paul

B.Ed., B.Sc., M.Ed. (Lethbridge); Academic Assistant in Education

HENRY, Jim J.

B.A. (Ottawa), B.Ed. (Queen's), M.Ed., Ph.D. (Alberta); Associate Professor of Education

LOEWEN, Craig

B.Ed. (Lethbridge), M.Ed., Ph.D. (Alberta); Professor of Education

MARYNOWSKI, Richelle Marie

B.Ed. (Lethbridge), M.Ed. (Alberta), Ph.D. Candidate (Alberta); Lecturer

MAZUREK, Kasper (Leave: July 1 - December 31, 2013)

B.A., B.Ed., M.Ed., Ph.D. (Alberta); Professor of Education

McBRIDE, 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., Ed.D. (Montana - Missoula); Assistant Professor of Education

MRAZEK, Rick

B.Sc., B.Ed. (Lethbridge), M.Ed., Ph.D. (Alberta); Professor of Education

O'DEA, Jane Winnifred

B.Mus. (Ireland), M.Ed., Ph.D. (Alberta); Professor of Education

PIQUETTE, Noella

B.Ed., M.Ed., Ph.D. (Calgary); Associate Professor of Education

POULSEN, John Christian

B.Ed. (Calgary), M.A. (London), Ph.D. (Calgary); Associate Professor of Education

RAHN, Janice May

B.F.A. (Queen's), B.Ed. (Toronto), M.F.A., Ph.D. (Concordia); Associate Professor of Education

RODERMOND, Margaret

B.A. (Iowa), M.L.I.S. (Alberta); Professional Librarian

ROSCOE, Keith

B.Sc. (Hons.) (Guelph), B.Ed. (Queen's), M.Sc. (Wales), Ph.D. (Alberta); Associate Professor of Education

RUNTE, Robert

B.A., Dip.Ed., M.Ed., Ph.D. (Alberta); Associate Professor of Education

SHEPARD, Blythe Catherine

B.A. (Waterloo), M.A., Ph.D. (Victoria); Associate Professor of Education

SLOMP, David Hendrik

B.Ed. (Lethbridge), M.Ed., Ph.D. (Alberta); Assistant Professor of Education

STEED, Marlo (Leave: July 1, 2013 - June 30, 2014)

B.Ed. (Alberta), M.Ed. (OISE Toronto), Ed.D. (Amherst); Associate Professor of Education

THANNHAUSER, Jennifer

B.A. (Saskatchewan), M.Ed. (Lethbridge), Ph.D. (Calgary); Assistant Professor of Education

TITLEY, E. Brian

B.A. (Ireland), B.Ed., M.Ed. (Manitoba), Ph.D. (Alberta); Professor of Education

TOWNSEND, David

B.Sc., M.Sc., Ph.D. (Oregon); Associate Professor of Education

VON HEYKING, Amy *(Leave: August 1, 2013 - July 31, 2014)*

B.A. (Calgary), M.A. (Toronto), Ph.D. (Calgary); Associate Professor of Education

WASIAK, Edwin Bruce

B.Mus.Ed. (Regina), M.Ed. (Victoria), Dip. Fine Arts (Calgary), D.M.A. (Arizona); Associate Professor of Education

WINSOR, Pamela

B.A., B.Ed. (New Brunswick), M.Ed. (Mount Saint Vincent), Ph.D. (Illinois); Professor of Education

WORRALL, Alyson

B.Math. (Waterloo), B.Ed. (Queen's), M.Ed. (Toronto), Ph.D. (Toronto); Lecturer

FACULTY OF FINE ARTS

Dean - **D. Rochfort**

Associate Dean - **E. Jurkowski**

Assistant Dean, Student Program Services:

DOBBIE, James A.

B.A. (Lethbridge), M.A. (Simon Fraser)

ART

ACTING CHAIR - D. Gill

ALLAN, Ken *(Leave: July 1, 2012 - June 30, 2013)*

B.A. (Hons) (Guelph), M.A. (York), Ph.D. (Toronto); Associate Professor of Art

BASTER, Victoria

M.A. English, (University of Reading); Academic Assistant in Art

CAMPBELL, Michael

B.A. (Toronto), M.F.A. (Concordia); Associate Professor of Art

DAHLE, Dagmar

B.F.A. (Victoria), M.F.A. (NSCAD); Associate Professor of Art

DAWN, Leslie Allan

B.A., M.A. (Victoria), M.A., Ph.D. (British Columbia); Associate Professor of Art

DYMOND, Anne *(Leave: July 1, 2012 - June 30, 2013)*

B.A. (Hons.), M.A., Ph.D. (Queen's); Associate Professor of Art

FREDRICKSON, Denton

M.F.A., Fine and Media Arts, (N. S. 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

B.A. (Hons.) (Guelph), M.F.A. (Saskatchewan); Associate Professor of Art

MACKINNON, Glen

B.F.A. (Nova Scotia College of Art & Design); Academic Assistant in Art

MARTIN, Annie

B.F.A., M.F.A. (Concordia); Associate Professor of Art

MILLS, Josephine *(Leave: January 1, 2012 - June 30, 2012)*

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, Dean, Faculty of Fine Arts

THEATRE AND DRAMATIC ARTS

CHAIR - D. MacArthur

CHAMBERS, Ron

B.A.Sc. (B.A.) (Lethbridge), M.F.A. (Calgary); Associate Professor 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. (Graceland University), M.F.A. (York); Assistant Professor of Theatre and Dramatic Arts

PARKINSON, Brian Carder *(Leave: July 1, 2012 - June 30, 2013)*

B.A. (British Columbia), M.A. (Leeds), P.C.E. (British Columbia); Professor of Theatre and Dramatic Arts

ROBISON-GREENE, Leslie

B.A. (Southern Utah), M.F.A. (Illinois); Professor of Theatre and Dramatic Arts

SCOTT, Shelley *(Leave: July 1, 2012 - June 30, 2013)*

B.A.Sc. (B.A.) (Lethbridge), M.A., Ph.D. (Toronto); Professor of Theatre and Dramatic Arts

TAYLOR, Aaron

B.A. (Western), M.A. (Carlton), Ph.D. (Kent); Assistant Professor of Theatre and Dramatic Arts

WHITEHEAD, Jay

M.F.A. Acting, (York University); Assistant Professor 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. (Oregon); 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

HANSEN, Bente

B.Mus. (Lethbridge), M.Mus. (Michigan State); Academic Assistant, Music

HENDSBEE, Blaine

B.Mus.Ed. (Dalhousie), M.Mus. (British Columbia), Ph.D. (British Columbia); Associate Professor of Music

JURKOWSKI, Edward Martin

B.Mus. (Manitoba), M.A., Ph.D. (Rochester); Professor of Music

MASON, Adam

B.Mus. (West Virginia), M.M.Ed. (West Virginia); Academic Assistant, Music

MEZEL, Margaret

B.Mus. (Washington State), M.Mus. (Michigan State); Academic Assistant in Music, Coordinator, Music Conservatory

MONTGOMERY, Glen

A.R.C.T. (Toronto), Academia Chigiana (Italy); Academic Assistant in Music

OYE, Deanna

A.Mus. (Western), H.B.Mus. (Lakehead), M.Mus. (Brandon), D.M.A. (Eastman); Associate Professor of Music

RODGERS, Mark

B.Mus. (Brandon), M.Mus. (Western); Adjunct Assistant Professor of Music

SCHULTZ, Arlan

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

STRINGER, Sandra

D.M.A., Voice Performance, (University of British Columbia); Academic Assistant 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. (Ohio), M.Mus. (Michigan), D.M.A. (Case Western); Associate Professor of Music

NEW MEDIA (FORMERLY MULTIMEDIA)

CHAIR - D. Sirbu

CLEARWATER, David *(Leave: July 1, 2012 - June 30, 2013)*

B.F.A., B.A. (Lethbridge), M.A., Ph.D. (McGill); Associate Professor of New Media

COUSINS, Bob *(Leave: July 1, 2011 - June 30, 2012)*

B.A., M.A. (Lethbridge), M.F.A. (York); Assistant Professor of New Media

ELIAS, Leanne

M.Ed., (University of Lethbridge); Associate Professor of New Media

GRAHAM, James R.C.

Diploma in Fine Art (Victoria College of Art), Diploma in Fine Art (Emily Carr), M.F.A. (NSCAD), 3D Studio Max (Toronto), Digital Animation Certificate (Algonquin College); Associate Professor of New Media

OLSEN, Deric

M.F.A. Media Production & Studies, (University of Regina); Assistant Professor of New Media

PICKERING, Anna

B.F.A. Multidisciplinary (Lethbridge); Academic Assistant, New Media Internship Coordinator

SIRBU, Daniela

Diploma in Contemporary Art - US Civic Education Project, Dipl. Eng. in E.E.C.S., U.P.B. (Bucharest), M.Arch. - Design and Technology (Carleton); Associate Professor of New Media

SMITH, A. William *(Leave: July 1, 2012 - June 30, 2013)*

B.Sc., B.F.A., B.A., B.Mus., M.F.A., Ph.D. (Ohio State); Associate Professor of New Media

TAYLOR, Aaron

B.A. (Western), M.A. (Carlton), Ph.D. (Kent); Assistant Professor of New Media

FACULTY OF HEALTH SCIENCES

Dean - C. Hosgood

Associate Dean (Nursing) - R. Grant Kalischuk

Director, Addictions Counselling Program - G. Nixon

Research Coordinator, Alberta Gaming Research Institute (AGRI)
- R. Williams

Coordinator, Graduate Studies - B. Hagen

Coordinator, Public Health Program - S. Yanicki

ANDER, Karen

B.N. (Lethbridge), RN; Academic Assistant in Nursing

ANDRUS, Avril

B.N. (Lethbridge), RN; Academic Assistant 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; Academic Assistant in Nursing

BOWDEN, Ali

B.Sc.N. (U of A), M.P.H. (BYU), RN; Academic Assistant in Nursing

CURRIE, Cheryl

B.A. (Manitoba), M.Sc. (Manitoba), PhD (Alberta); Assistant Professor in Public Health

DERSCH, Sharon

B.N. (Calgary), RN; Academic Assistant in Nursing

GRANT KALISCHUK, Ruth

B.N., M.Ed. (Lethbridge), Ph.D. (British Columbia), RN; Professor in Nursing

HAGEN, Brad

B.Sc. (Lethbridge), M.Sc.N. (McGill), Ph.D. (Victoria), RN, R.Psych., CCC; Associate Professor in Nursing

HAIGHT, Katherine

B.S.N. (British Columbia), M.N. (Memorial), RN; Academic Assistant in Nursing

HARRIS, Suzanne

B.N., M.Sc. (Lethbridge), RN; Academic Assistant in Nursing

HARROWING, Jean

B.Sc. (Lethbridge), M.N. (Calgary), Ph.D. (Alberta), RN; Associate Professor in Nursing and Public Health

HOSGOOD, Christopher

B.A. (Hons.) University of Victoria, M.Phil. University of Leicester (U.K.), Ph.D. University of Manitoba; Dean Faculty of Health Sciences

HOWARD, Lisa

B.Sc.N. (Victoria), M.N. (Calgary), RN; Lecturer in Nursing

JOHNSON, Kyle

B.N. (Calgary), RN; Academic Assistant in Nursing

JONES, Phil

B.A., M.Ed., M.S.W. (Calgary); Academic Assistant in Addictions Counselling

KELLETT, Peter

B.N., M.N. (Memorial), RN; Academic Assistant in Nursing

KULAS, Lisa

B.N. (Athabasca), RN; Academic Assistant in Nursing

KULIG, Judith

B.Sc.N. (Alberta), M.S.N. (Arizona), D.N.Sc. (California), RN; Professor in Nursing

LEAVITT, Tina

B.N. (Lethbridge), RN; Academic Assistant in Nursing

LEE, Bonnie

A.B. (Smith), M.A. (St. Paul), M.A., Ph.D. (Ottawa); Associate Professor of Addictions Counselling

LENCUCHA, Raphael

B.Sc. (Calgary), B.Sc. (Alberta), Ph.D. (Western); Assistant Professor in Public Health

MARTHIENSEN, Robert

B.N. (Lethbridge), RN; Academic Assistant in Nursing

McCALLUM, Karim

B.F.A., B.H.Sc., M.Ed. (Lethbridge), CCC; Academic Assistant in Addictions Counselling

McKAY, Bill

B.N. (Lethbridge), M.Sc. (Lethbridge), RN; Academic Assistant in Nursing

MITCHELL, Lori

B.Sc.N. (Victoria), M.N. (Calgary), RN; Academic Assistant in Nursing

NIXON, Gary

LL.B. (Alberta), M.A. (British Columbia), Ph.D. (Calgary), R.Psych.; Associate Professor in Addictions Counselling

NOVOTNA, Gabriela

B.Sc., M.S.W., (Comenius, Slovakia), Ph.D. (Wilfrid Laurier); Assistant Professor in Addictions Counselling

NUGENT, Mary

B.Sc.N. (Victoria), M.Sc. (Lethbridge), RN; Academic Assistant in Nursing

OOSTERBROEK, Tracy

B.N., M.Sc. (Lethbridge), RN; Academic Assistant in Nursing

PIJL-ZIEBER, Em

B.Sc.N. (British Columbia), M.Ed. (Calgary), RN; Academic Assistant in Nursing

PIJL-ZIEBER, Mark

B.N. (Lethbridge), M.S.N. (British Columbia), RN; Lecturer in Nursing

RICH, Marcia

B.Sc. (Alberta), M.Sc. Ph.D. (Calgary), R.Psych.; Assistant Professor in Addictions Counselling

ROWLES, Karen

B.N., M.Ed. (Calgary), RN; Academic Assistant in Nursing

SANDERS, James

B.A. (Lethbridge), M.Ed. (Alberta), R. Psych.; Lecturer in Addictions Counselling

SEDGWICK, Monique

B.Sc.N., M.N., Ph.D. (Alberta), RN; Assistant Professor in Nursing

SIMPKINS, Sheena

B.N. (Lethbridge), RN; Academic Assistant in Nursing

SMITH, Geraldine

B.N. (Alberta), M.N. (Saskatchewan), RN; Academic Assistant in Nursing

SOLOWONIUK, Jason

B.H.Sc., M.Ed. (Lethbridge), CCC; Academic Assistant in Addictions Counselling

SPENCELEY, Shannon

B.N. (Lethbridge), M.N. (Calgary), Ph.D. (Alberta), RN; Assistant Professor in Nursing

STEINKE, Claudia

B.Sc. (British Columbia), M.Sc. (Lethbridge), Ph.D. (Victoria); Assistant Professor in Nursing

VANDE GRIEND, Tara

B.Sc.N. (Trinity Western), M.Sc. (Lethbridge), RN; Academic Assistant in Nursing

VANDENBERG, Shannon

B.N. (Lethbridge), RN; Academic Assistant in Nursing

VELDMAN, Heidi

B.N. (Lethbridge), RN; Academic Assistant in Nursing

WALDORF, RYAN

B.N. (Lethbridge), RN; Academic Assistant in Nursing

WELLS, Karen

B.N. (Lethbridge), RN; Academic Assistant in Nursing

WILDE, Isabel

B.N. (Lethbridge), M.N. (Calgary), RN; Academic Assistant in Nursing

WILLIAMS, Robert

B.A., Ph.D. (McMaster), C.Psych. (Alberta); Professor in Addictions Counselling

WILSON, Penni

B.N. (Lethbridge), RN; Academic Assistant in Nursing

WOJTOWICZ, Bernadine

B.N., M.Sc., (Lethbridge), RN; Academic Assistant in Nursing

YANICKI, Sharon

B.S.N. (Saskatchewan), M.Sc. (Alberta), RN; Lecturer in Public Health and Nursing

NURSING EDUCATION IN SOUTHWESTERN ALBERTA PROGRAM

Lethbridge College Faculty**BARDOCK, Debra**

B.N. (Athabasca), M.N. (Athabasca), RN

BROWNLEE, Robyn

B.Sc.N. (Alberta), RN, RPN

CERNIGOY, Liz

B.Sc.N. (Ottawa), RN

de KREEK, Yolanda

B.N. (Lethbridge), M.N. (Athabasca), RN

HAKSTOL, Marisa

B.Sc.N. (Alberta), M.H.S. (Great Falls), RN

HAMILTON, Melanie

B.N. (Lethbridge), M.N. (Southern Queensland), RN

IRWIN, Sherry

B.N. (Lethbridge), RN

JOY, Karen

M.N., B.N. (Lethbridge), RN

KENNEDY, Karen

B.Sc.N., M.Ed. (Victoria), RN

KRAMPL, Gayle

B.N., M.Sc.N. (Lethbridge), RN

LAURADO, Pinky

B.N. (Phillipines)

McCOY, Leslie

B.N. (Lethbridge), M.N. (Calgary), RN

NYKIEL, William

B.Sc. (California Coast University), M.Sc. (San Diego), RN

POTTER, Gaylene

B.N. (Manitoba), RN

SAMPATH, Kodi

B.N. (Manitoba), M.N. (Alberta)

SCHOENBRUNN, Karen

B.N. (Lethbridge), RN

SEITZ, Shannon

B.N. (Lethbridge), RN

TOWNSEND, Sian

B.N. (Lethbridge), MSA (Central Michigan), RN

WATERHOUSE, Kathleen

B.Sc.N. (U of A), RN

WOLSKY, Karla

B.N., M.N. (Athabasca), RN

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AMELINCKX, Andrea Carol

B.A., J.D. (State University of New York at Buffalo); Academic Assistant in Management

ANSARI, M. Mahfooz (Leave: July 1 - December 31, 2013)

B.A. (Magadh), M.A. (Patna), M.A. (Kansas), Ph.D. (Patna); Professor of Management

ASEM, Ebenezer (Leave: July 1, 2013 - June 30, 2014)

B.A. (Hons.) (Ghana), M.A. (Warwick), Ph.D. (Alberta); Associate Professor of Management

BAKER, W. Glen

B.Comm. (Calgary), C.M.A.; Academic Assistant in Management

BAO, Yongjian

LL.B. (Fudan), M.P.A. (Southern California), Ph.D. (Southern California); Assistant Professor of Management

BARRAGAN, Salvador

B.Sc. (Panamericana), M.B.A. (IPADE), M.Sc. (Management) (Lethbridge); Academic Assistant in Management

BASIL, Debra Z.

B.A. (Washington), Ph.D. (Colorado); Associate Professor of Management

BASIL, Michael Dominic

A.B. (San Diego State), M.A. (San Francisco State), A.M., Ph.D. (Stanford); Professor of Management

BAULKARAN, Vishaal

B.B.A. (Honors) (New Brunswick), C.F.A., M.B.A. (New Brunswick), Ph.D. (Wilfrid Laurier); Assistant Professor of Management

BELLO, Roberto

B.Mgt. (Panamericana, Mexico), M.Sc. (Lethbridge); Academic Assistant in Management

BOUDREAU, Robert Alan

B.A. (Concordia), M.Sc., Ph.D. (Calgary); Professor of Management

CARNAGHAN, Carla (Leave: July 1 - December 31, 2013)

B.Sc. (Victoria), Ph.D. (Alberta), C.I.S.A., C.M.A.; Assistant Professor of Management

CHISTE, Katherine

B.A. (Mt. Holyoke), M.A. (Toronto), Ph.D. (Calgary); Associate Professor of Management

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B.S. (Brigham Young), M.B.A. (Western Ontario); Academic Assistant in Management

DAROCZI, Zoltan

B.S. (Budapest), M.S., M.B.A. (Iowa State), Ph.D. (Michigan State); Assistant Professor of Management

DERRY, Robbin

B.A. (Dartmouth), M.B.A., Ph.D. (Massachusetts); Associate Professor of Management

DESHPANDE, Sameer

B.Comm., M.B.A. (Bombay), M.A., Ph.D. (Wisconsin-Madison); Associate Professor of Management

DOBING, Brian Robert

B.Sc. (Victoria), M.B.A., M.Sc. (Saskatchewan), Ph.D. (Minnesota); Associate Professor of Management

DROLLINGER, Tanya

B.A. (Utah State), M.Sc., Ph.D. (Purdue); Associate Professor of Management

ESCOBAR, Luis Fernando

B.Sc. (Venezuela), M.Sc. (Calgary), Ph.D. (Calgary); Assistant Professor of Management

GONZALEZ, George

B.S. (Gainesville), Ph.D. (Pittsburgh); Assistant Professor of Management

HODD, Patricia S.

B.Ed. (Alberta), B.Mgt., M.Ed. (Lethbridge); Academic Assistant in Management

HUNTER, Karen Heather

B.Mgt. (Lethbridge), M.B.A., Ph.D. (Alberta); Assistant Professor of Management

HUNTER, M. Gordon

B.Comm. (Saskatchewan), Ph.D. (Strathclyde), C.M.A.; Professor of Management

JANZ, Linda

B.Mgt., M.Sc. (Lethbridge); Academic Assistant in Management

JARVIE, Deborah L.

B.Mgt., M.Sc. (Lethbridge); Academic Assistant in Management

KAZAKOFF, Dan

B.Comm., B.A. (Calgary), M.B.A. (Alberta); Academic Assistant in Management

KELLEY, Helen

B.Mgt., M.Sc. (Lethbridge), Ph.D. (Western Ontario); Associate Professor of Management

KNAPP, Joshua

B.A. (Pennsylvania), Ph.D. (Cincinnati); Assistant Professor of Management

KOPP, Lori S.

B.S.Ed. (State University of New York at Buffalo), M.S. (Illinois), M.S.Acc. (Houston), Ph.D. (Alabama), C.P.A.; Associate Professor of Management

LI, Yutao

B.S. (China), B.B.A. (Distinction) (Toronto); Assistant Professor of Management

LINDSAY, R. Murray

B.Comm., M.Sc. (Saskatchewan), Ph.D. (Lancaster), C.M.A., FCMA; Professor of Management

LOEWEN, Pamela

B.A., B.Mgt. (Lethbridge), M.B.A. (Calgary), Ph.D. (Alberta); Assistant Professor of Management

MADORE, Michael A.

B.Ed. (New Brunswick), M.B.A. (City University-Vancouver); Academic Assistant in Management

MANSOURI, Mali

Ph.D. (Calgary); Assistant Professor of Management

MARKIN, Johanna

B. Comm. (UBC), CA (Alberta); Academic Assistant in Management

MATKIN, Marie

B.Ed., M.Ed. (Lethbridge); Academic Assistant in Management

MILNER, Craig

B.Sc. (Kettering), M.B.A. (Western Ontario); Academic Assistant in Management

NOTZKE, Claudia

Masters' (Cologne), Ph.D. (Calgary); Associate Professor of Management

OLSON, Brad

B.Mgt. (Lethbridge), M.B.A. (Oregon State), Ph.D. (Oklahoma State); Associate Professor of Management

PERLOW, Richard

B.A. (Miami), M.S. (Indiana), M.A. (Houston), Ph.D. (Houston); Associate Professor of Management

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B.Mgt. (Lethbridge), M.B.A. (Quebec), C.M.A., C.F.P.; Academic Assistant in Management

RUNTÉ, Mary *(Leave: Jan. 1 - June 30, 2013)*

B.A. (Athabasca), M.B.A. (York), Ph.D. (Saint Mary's); Associate Professor of Management

SHAO, Pei

B.A. (China), M.A. Economics & Finance (Leeds), M.A. Economics (York University), C.F.A., Ph.D (York University); Assistant Professor of Management

STANNARD, Barry A.

B.Sc., M.Sc. (Manitoba); Academic Assistant in Management

THOMAS, Stuart Barrington *(Leave: July 1, 2012 - June 30, 2013)*

B.Sc. (West Indies), Ph.D. (Florida International); Associate Professor of Management

USHER, John M.

B.I.A. (General Motors Institute), M.B.A., Ph.D. (Toronto); Professor of Management

WILLIAMS, Bernard Edward

B.P.E., M.A. (Alberta), Ph.D. (Toronto); Associate Professor of Management

WILLIAMS-WHITT, Kelly *(Leave: January 1 - June 30, 2014)*

M.B.A., Ph.D. (Calgary); Associate Professor of Management

WILLIAMS, Lorne

B.A. (Calgary), B.Mgt., M.Ed. (Lethbridge), M.A. (Royal Roads); Academic Assistant in Management

WISHLOFF, Jim

B.Sc., M.B.A. (Alberta), Ph.D. (Case Western Reserve, Ohio); Assistant Professor of Management

WYMER, Jr. W. Walter *(Leave: January 1 - June 30, 2014)*

B.S. (St. Joseph College), M.B.A. (Liberty), D.B.A. (Indiana); Professor of Management

YALAMOVA-USHER, Rossitsa

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YUAN, Wenlong

B.A. (Chengdu), M.Sc. (Qingdao), Ph.D. (Calgary); Assistant Professor of Management

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B.Bibl. (Univ. Free State); B.Bibl. Hons. (Univ of South Africa); M.Bibl. (Univ Pretoria); Ph.D. (Rand Afrikaans Univ); Professional Librarian

TEDESCO, Maxine

B.A. (Alberta), M.L.I.S. (Western Ontario); Professional Librarian

VOGT, Judy

B.A., M.L.S. (British Columbia); Professional Librarian

WESTWOOD, Glenna

B.A.Sc. (B.A)(Lethbridge), M.L.S. (British Columbia); Professional Librarian

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Curriculum Librarian - **M. Rodermond**

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B.Ed. (Lethbridge), M.L.S. (Alberta); Professional Librarian

RODERMOND, Margaret

B.A. (Iowa), M.L.I.S. (Alberta); Professional Librarian

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 Khym Goslin (1973–1974)
 Darryl Ross (1974–1975)
 Lee Ens (1975–1976)
 Wayne Mackay (1976–1977)
 Howard Reid (1977–1978)
 Pat Dortch (1978–1979)
 Alan Murray (1979–1980)
 Rudy Peters (1980–1981)
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 Chuck Cosgrove (1982–1983)
 Mike McPhail (1983–1984)
 Larry Glazer (1984)
 Tracy Hembroff (1984–1985)
 Aaron Engen (1985–1986)
 Dan Laplante (1986–1987)
 Jason Slemko (1987–1988)
 Jon Oxley (1988–1990)
 Terry Whitehead (1990–1991)
 David Legg (1991–1992)
 Justin Penny (1992–1993)
 Poul Mark (1993–1994)
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 Arthur Wong (1995–1996)
 Jason Shrinier (1996–1997)
 Jon Wescott (1997–1998)
 Ryan Dunford (1998–1999)
 Bonnie Androkovich (1999–2000)
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 Matthew McHugh (2001–2002)
 Melanee Thomas (2002–2003)
 Paul Daniels (2003–2004)
 Lorelee Edwards (2004–2005)
 Tyler Tanner (2005–2006)
 Dustin Fuller (2006–2007)
 Kelly Kennedy (2007–2008)
 Adam Vossepel (2008–2009)
 Jeremy Girard (2009–2010)
 Taz Kassam (2010–2011)
 Zack Moline (2011–2012)

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Preston Williams (2005–2006)
Loralee Edwards (2006–2007)
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Shannon Digweed (2008–2009)
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Philip Butterfield (1971)
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Edwin W. Webking (1972–1973)
Frank J. Schaffer (1973–1974)
William M. Baker (1974–1975)
Roger H. Barnsley (1975–1976)
Robert S. Gall (1976)
Philip Butterfield (1976–1977)
Steve C. Patten (1977–1978)
Eugene E. Falkenberg (1978–1979)
Douglas L. Petherbridge (1979–1980)
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Allan S. Hunter (1982–1983)
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Mark L. Sandilands (1985–1986)
Michael P. Kubara (1986–1988)
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Chesley J. Skinner (1990–1991)
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Siu-Cheung Chau (1995–1997)
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E. Brian Titley (1999–2000)
Richard A. Epp (2000–2001)
Andrew W. Hakin (2001–2002)
Christopher P. Hosgood (2002–2003)
M. Bryson Brown (2003–2004)
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Peter J. McCormick (2005–2006)
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Richard Mrazek (1979–1983)
Craig Whitehead (1983–1985)
Marija Boh (1985–1987)
Shaun Ward (1987–1990)
Richard Paziuk (1990–1991)
Randall Spohn (1990–1991)
Jill Kotkas (1991–1993)
Art Ferrari (1993–1996)
Geri Hecker (1997–1999)
Ken McInnes (1999–2001)

Art Ferrari (2001–2003)
Douglas McArthur (2003–2005)
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Kevin Nugent (October 2007–October 2013)

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University of Lethbridge Faculty Association:

Andrea Amelinckx (November 2012–November 2015)

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Ron Corbiere (February 2013–February 2016)

Students:

Zack Moline (May 2011–May 2014)

Armin Escher (May 2011–May 2014)

Graduate Student:

Matthew Wang (June 2012–June 2015)

Non-Academic Staff:

Kathleen Willms (January 2011–January 2014)

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James Berezan (May 2009 - May 2012)

Elizabeth Karbasheski (March 2010–March 2014)

Timothy Waters (March 2010–March 2014)

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Marianne Gray (March 2012–March 2015)

Blaine Kunz (July 2009–July 2015)

Doug McArthur (June 2007–June 2013)

Marilyn Smith (March 2011–March 2014)

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 Students' Union: Armin Escher
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 Shuna Talbot
 Brady Schnell
 Graduate Students' Association: Jeff Wiebe
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 Shawn Pinder Lethbridge
 Diane Randell Lethbridge
 Dory Rossiter Lethbridge
 Kurt Schlachter Lethbridge
 Bernie Scott Medicine Hat
 Lynne Sherwood Lethbridge
 Keith Spacman High River
 Claire Torscher Bow Island
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 Secretary to the Senate: Sheena Olson

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 Vice-President (Research): Dan Weeks

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 Dean of Education: Craig Loewen
 Dean of Fine Arts: Desmond Rochfort
 Dean of Health Sciences: Chris Hosgood
 Dean of Management: Robert Ellis
 Dean of Graduate Studies: Robert Wood
 Dean of Internationalization: Alison Nussbaumer
 University Librarian Delegate: Brenda Mathenia
 Registrar: Don Hunt
 Faculty of Arts and Science: Michael Gerken
 Shelly Wismath
 Michelle Helstein
 Lynn Kennedy
 Catherine Kingfisher
 John Vokey
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 Noella Piquette
 Faculty of Fine Arts: Peter Visentin
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 Faculty of Health Sciences: Karim McCallum
 Judith Kulig
 Raphael Lencucha
 Faculty of Management: Pam Loewen
 Wenlong Yuan
 Rossitsa Yalamova-Usher
 Statutory Student Members: Armin Escher
 Julia Adolf
 Ryan Mallard
 Appointed Faculty: Ian McAdam
 Matthew Letts
 Kas Mazurek
 George Bedard
 James Dobbie
 Don Gill
 Lisa Howard
 Monique Sedgwick
 Joshua Knapp
 Shamsul Alam
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 Library: Leona Jacobs
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 Judith Lapadat
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 Graduate Student: Wing Li
 Student Members: Zack Moline
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 Chris Hollingsworth
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Graduate Students' Representative:	Matthew Wang
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President and Vice-Chancellor Senior Advisor to the President Director, University Secretariat	Mike Mahon, B.P.E., M.Sc., Ph.D. Laurel Corbiere, B.A., M.B.A. Jodie Black, B.A., M.Ed.
Vice-President (Advancement) Senior Director, Calgary Advancement Office Manager, Advancement Services Prospect Research Analyst	Chris Horbachewski, B.A. Ruth Hummel, B.Sc., M.A. Anna Linville, M.A., M.Th., B.A. Kristine Carlsen Wall, B.A., M.L.S.
Director, Alumni Relations Alumni Relations Officer Director, Communications and Marketing Media Relations Officer Manager, External Communications	Maureen Schwartz Jaime Morasch, B.Mgt. Tanya Jacobson-Gundlock, B.A. Robert Cooney
Manager, News and Information Advancement Communications Officer Marketing Specialist Manager, Major Gifts Manager, Development Programs Director, Public Affairs and Government Relations	Alesha Farfus-Shukaliak, B.A., B.Mgt. Trevor Kenney, B.A. Kali McKay, B.A., M.A. Julia Mitchell, B.A.H. Barry Knapp, B.Rs. Kathy MacFarlane, C.F.R.E.
Vice-President (Finance and Administration)	Richard Westlund
Executive Analyst Director, Internal Audit	Nancy Walker, B.Mgt., M.B.A., FCA Nicole Hillary, B.A.Sc., M.A. Sonya von Heyking, B.Mgt., CA, CIA, CCSA, CRMA
Legal Counsel	Sharon Sproule, B.A., LL.B.

Associate Vice-President (Finance) Manager, Budget and Planning Resource Analyst	Doug Spoulos, B.Mgt., CA Marnie Sawa, B.Mgt., CMA Sheila Lowe
Executive Director, Financial Services Associate Executive Director Manager, Accounts Payable Manager, Financial Controls and Processes Manager, Financial Operations Manager, Financial Reporting Manager, Materials Management Manager, Research Accounting Manager, Revenue Accounting Financial Analyst Financial Analyst, Ancillary Financial Analyst, Capital Financial Analyst, Research	Carrie Takeyasu, M.B.A., CMA Kim Ordway, B.Mgt., CA Joanne Des Roche, B.Mgt., CA Helen Wolfe, B.Admin., CMA Linda Anderson, B.Mgt. Joel Makin, CGA Daryl Schacher, B.Mgt., SCMP Mark Sera, B.Mgt., CA Cindy Matheson, B.Mgt., CGA Caralyn Boh, B.Mgt., M.B.A. Dwayne Pepin, CMA Leslie Gatner, B.Mgt. Gabe Krywolt, B.Mgt., CGA
Executive Director, Ancillary Services Manager, Conference and Event Services Director, Housing Services Associate Director, Housing Services Manager, Bookstore Assistant Manager, Bookstore/ Retail Analyst Manager, Youth Science Programs Manager, Printing Services	Jim Booth, B.Sc., B.Com. Erin Crane, B.F.A. Terri Thomas, B.Sc. Steve Brodrick, B.Mgt., M.B.A. Annette Bright Kari Tanaka, B.A. Kristy Burke, B.Sc. Greg Martin, Journeyman, Printing and Graphic Arts Craftsman
Executive Director, Sport and Recreation Services Manager, Athletics Coordinator, Customer Service Coordinator, Operations Coordinator, Sports Information and Events Manager, Business Development Manager, Facilities/Services Manager, Programs Associate Manager, Programs Men's Basketball Coach Men's Hockey Coach Women's Basketball Coach Women's Ice Hockey Coach	Sandy Slavin, B.P.E. Ryan Hall, B.A., M.Sc. Mike Whipple, B.A., M.ORGL. Michael Pinder, B.Sc. Eoin Colquhoun, B.A. Robb Engen Deb Marek, B.Comm., M.B.A. Bill Halma, B.A. Colleen Sullivan Dave Adams B. Ed. M. Ed. Greg Gatto, B.A./B.Ed. Erin McAleenan, M.A., B.Ed., B.Sc. Chandy Kaip
Associate Vice-President (Human Resources)	Elaine Carlson, B.Sc., M.B.A., CHRP
Executive Director, Human Resources	Ken McInnes, B.A., B.Mgt., M.B.A.
Senior Human Resources Consultants	Brad Doak, B.Comm. (Hons.), CHRP Nancy Pastoor, B.B.A. Linda van der Velde, CHRP Barb Thomsen, CPM Lorelei (Lori) Weber, R.N., B.N., M.Ed. Christina Harsch, R.N., B.N. Garrett Kennedy, B.Sc., R.N., B.N.
Manager, Pension & Benefits Manager, Health Centre Health Educator/R.N. First-Aid Coordinator	Christina Harsch, R.N., B.N. Garrett Kennedy, B.Sc., R.N., B.N.
Coordinator, Records Management Coordinator, Wellness Programs	Marni Morton, B.Mgt. Suzanne McIntosh, CWPM

Executive Director, Facilities	Chris Eagan, P.Eng.	Director, Enterprise Services	Vacant
Associate Executive Director; Facility Operations and Maintenance	T.J. Hanson, P.Eng.	Manager, Enterprise Systems Implementations Lead	Tom Doyle, B.Sc. Jamie Chinn, B.Sc.
Director, Infrastructure and Engineering	Herb Wenzel, P.Eng. Rod Gelleny, Millw.	Principal Software Developer, Enterprise Systems	David Thurlow, B.Sc.
Project Manager, Infrastructure	Jackie Mueller, Mgt. Cert.	Senior Systems Analyst, Enterprise Systems	Steve Calvert, B.Math. (Hons.)
Manager, Facilities Administration	Marty Gadd, F.M.A.	Business Systems Analyst	Jaime Prada
Manager, Building Maintenance	Jim Vanderzee	Vice-President (Research)	Daniel Weeks, B.A., M.Sc., Ph.D.
Operations Supervisor	John Claassen, B.Env.Des., M.Arch., AAA, MRAIC	Director, Centres and Institutes and Research Advocacy	David Hill
Director, Campus Planning & Architecture	Spencer Court, B.Env.Des., M.Arch, MRAIC, LEED®AP	Interim Dean, Internationalization	Alison Nussbaumer, B.A., M.L.S. Professional Librarian
Associate Director, Campus Planning & Architecture	John O'Keeffe, MCGI, MSyl	University Veterinarian	Isabelle Gauthier
Executive Director, Campus Safety	Peter Ashworth, B.Sc. (Hons), M.Sc.	Associate Vice-President (Research)	Lesley Brown, B.P.E., M.H.K., Ph.D.
Manager, Security	Dick Lutwick, C.E.T.	Research Officer (NSERC)	Chris Picken, B.Hum.Ec., M.Sc.
Manager, Parking	Judy Jaeger	Research Officer (SSHRC)	Mary Butterfield, M.A.
Manager, Caretaking Services	Tal Meidinger, Mast. Elect.	Project Manager (Research)	Penny Pickles, BASc., M.A., PMP
Manager, Electrical	Phil Dyck, B.Mgt.	Grant & Knowledge Transfer Officer	Penny D'Agnone, B.Sc., M.Sc.
Manager, Grounds and Motor Vehicle Pool	Terry Sutton, Red Seal 3rd Class Engineer, Journeyman Plumber/Steam/Gas Fitter	Ethics Officer	Susan Entz, B.Sc., M.Sc.
Manager, Mechanical Systems	Rick Peter, Mast. Elect.	Managers, University-Industry Liaison Office (UILO)	Morgan Mengjuan Guo, Ph.D. Pejman Ghanipour, B.Sc. (Hons.), M.A.Sc.
Manager, Operation and Controls	Brian Sullivan, B.Sc., M.B.A.	Provost and Vice-President (Academic)	Andrew Hakin, B.Sc. (Hons.), Ph.D.
Director, Project Management Office	Jason Baranec, B.Mgt.	Academic Initiatives Manager	Paul Sparrow-Clarke, B.Sc., B.Ed.
Project Managers	Greg Lacey, E.D.D.Tech.	Research Officer	Robin Hopkins, B.A., LL.B.
Communications Officer	Gene Lublinkhof, C.Tech.	Vice Provost and Associate Vice-President (Academic)	Robert Boudreau, B.A., M.Sc., Ph.D.
Director, Risk and Safety Services	Brad Robinson, C.Tech., LEED®AP (BD+C)	Manager, Institutional Analysis	Mandy Moser, B.Mgt., M.B.A.
Risk Analyst	Jamie Woodford, B.Jour.	Institutional Analysts	Jon Kozub, B.Sc.
Manager, Safety (Radiation Safety Officer)	Anne Baxter, B.A.	Director/Curator, Art Gallery	Darlene Unrau, B.Mgt.
Safety Officer	Toby Clark, B.Sc.	Administrative Manager	Josephine Mills, B.A., M.A., Ph.D.
Biosafety Officer	Carolyn Cattoi-Demkiw, B.Tech.	Director, Teaching Centre	Fred Greene, B.A.
Chief Information Officer	Daniel Berte, NCSO	Teaching Development Facilitator	David Hinger, B.F.A., M.Ed.
Director, Infrastructure Systems	Lorna Selinger, B. Sc. (Agr)	Teaching Development Facilitator	Doug Orr, B.Ed, Dip.Ed.(Admin.), M.Ed.
Manager, Client Services	A. Clark Ferguson, BASc., M.B.A., P.Eng.	Educational Specialist (Technology)	Jeff Meadows, B.Ed. M.Ed.
Manager, Databases	Terry Kirkvold	Dean, Graduate Studies	Calvin Toth
Database Administrators	Chris Robinson	Assistant Dean, Graduate Studies	Robert Wood, B.A., M.A., Ph.D.
Manager, Facilities	Doran Anderson, B.Mgt.	Manager, School of Graduate Studies	Helen Kelley, Ph.D.
Manager, Systems and Communications Technology	Brent Graveland	Graduate Studies Awards Advisor	Kathleen Schrage
Project and Change Manager, Infrastructure Systems	John Bronk	Dean, Arts and Science	Deirdre Coburn, M.Sc.
Director, Transformation Solutions	Craig Bullock	Associate Dean	Christopher Nicol, B.A., M.A. Ph.D.
Manager, Information Security	Jeffrey L. Oliver, B.Sc.	Associate Dean	René Barendregt, B.Sc., M.Sc., Ph.D.
Manager, Managed Applications	Jeff Takeyasu, B.Sc., M.Sc.	Associate Dean	Matthew Letts, B.A., B.Sc., M.Sc., Ph.D.
Systems and Information Technology Analyst	Darren Schell, B.Sc.	Associate Dean	Muriel Mellow, B.A., M.A., Ph.D.
Manager, Project Management Office	Kevin Vadnais, B.Sc., PMP, TCSA	Assistant Dean, Curriculum	Cheryl Calver, B.A., M.A., Ph.D.
Manager, Web Services	Daryle Niedermayer, B.A., B.Sc., M.Div., M.Ed., PMP	Director, Academic Scheduling & Student Records	Lynn Ambedian, B.A., M.A.
	Wim Chalmet, Ind.Eng. (Industrial Engineer)	Student Program Advisors	Carla Buziak-Prus, B.A.
	Chris Roberts, P.Eng., PMP		Christina Desireau, B.Comm. (Hons.)
	Michael Warf		Jacqueline Preyde, B.A., M.A., M.H.Sc.
			Lesley Rode, B.S.W.
			Bethany Mills, B.A.
			Debbie Murphy, B.A.

Director, Arts and Science Co-operative Education and Faculty Communication Communications Officer Coordinator, Co-operative Education/Applied Studies Assistant Coordinator, Co-operative Education/ Applied Studies	Diana Young, B.Ed. (Hons.), M.A. Virginia Wishart, B.A. Jasminn Berteotti, B.Sc. Stacey Gaudette-Sharp, B.A., M.A.	Director, Theory Into Practice	Dan Kazakoff, B.Comm., B.A., M.B.A.
Director of Finance and Administration Financial Assistant Financial Analyst (Research) Research Manager (CCBN)	Cathy Kanashiro, B.Mgt., CA Corinne Steele, B.Mgt., CA Sandra Randa, CMA Janice Sutherland, Ph.D.	Communications Officer Financial Officer Manager, Technology Services MCBA, ITEL	Zyna Taylor, B.Ed. Anita Ryder, B.Ed., B.Mgt., CA Trevor Butler, B.Mgt., MCPM,
Dean, Education	Craig Loewen, B.Ed., M.Ed., Ph.D.	Acting University Librarian Associate University Librarian Client Services, Facilities, and Collections	Christopher Nicol Brenda Mathenia, B.S., M.U.P., M.S.I, Professional Librarian Jesse Malinsky, B.A.
Associate Dean	Rick Mrazek, B.Sc., B.Ed., M.Ed., Ph.D.	Supervisor, Access Services Associate University Librarian Information Systems and Technical Services	Wendy Merkley, B.A., M.L.S., Professional Librarian
Assistant Dean, Graduate Studies Assistant Dean, Student Program Services	Kerry Bernes, B.Ed., M.Sc., Ph.D. Thelma Gunn, B.A., B.Ed., M.Ed., Ph.D.	Supervisor, Library Information Systems Supervisor, Library Technical Services	Allan Gergel, Dip. AV Comm. Karen McCallum, B.A., Lib.Tech.
Assistant Dean, Field Experiences	Lorraine Beaudin, B.Ed., M.Ed., Ph.D.	Associate Vice-President (Students) Director, Career and Employment Services Career and Employment Advisor	Judith Lapadat, B.A., M.Sc., Ph.D. Pat Tanaka, B.A.
Student Program Advisor Program Manager Support Staff Supervisor/ Circulation Manager Communications Officer Financial Officer	Brenda Bell, B.A., M.A. Susan Pollock, B.A., B.Comm. Gitte Villiger Darcy Novakowski Carol Knibbs, B.A., B.Comm., M.B.A.	Coordinator, Counselling Services Campus Outreach Worker Counsellors	Heather Hacier, B.A., B.S.W., Cert. in Career Development Barbara Williams, B.A., M.Ed., C.C.C. Auburn Phillips, B.A., M.A. Jennifer Ellis-Toddington, B.Sc., M.C.
Dean, Fine Arts	Desmond Rochfort, Ph.D. (RCA), Post-Grad. Dip. in Painting (R.A.S), Byam Shaw Dip F.A., L.C.A.D		Patricia Pope, B.A., B.Ed., M.Ed., R.S.W. Allison Roest, B.A., B.Ed., M.Ed. C.C.C. Heather Rowland, M.S.W., R.S.W. Mark Slomp, B.A., B.Ed., M.Ed., R.Prov.Psych. Tanya Krueger, M.Ed., R.Psych.
Associate Dean	Edward Jurkowski, Ph.D. Music Theory	Manager, Disabilities Resource Centre Disability Resource Assistant Interim Director, FNMI Centre Coordinator, Native Student Advising, Acting Manager, International Centre International Recruitment Officer Manager, Language Services International Centre Instructors	Sheila Gilker Dip. Rehab, B.A., Cert. Learning Strategist Aaron Tamayose, B.A. Roy Weasel Fat, B.Ed., M.A. Elizabeth Ferguson, B.A., M.A. Trish Jackson, B.A.Sc. Imaru Baquero Jenine Hawryluk, B.A., M.Ed.
Assistant Dean, Student Services Facilities Manager, Art Studio Conservatory Director Communications/PR Officer Financial Officer Technical Director -Theatres	James Dobbie, B.A., M.A. Catherine Ross, B.FA. Margaret Mezei, B.Mus., M.Mus. Katherine Wasiak, B.Sc., M.M.C. Margot O'Donnell, CMA James McDowell, B.FA.		Jody Gilbert, B.A., B.Ed., Dip. Ed., M.A. Robbyn Hoffe, B.F.A., B.FA.Ed., Dip. Visual Arts, CELTA Steven Huxley, B.Mgt., B.A., Dip. Comm. Arts., CELTA Brenda MacKinnon, B.A., B.Ed., CELTA Heather Mirau, M.B.A., MCPM
Dean, Health Sciences	Christopher Hosgood, B.A., M.Phil., Ph.D. Ruth Grant Kalischuk, R.N., B.N., M.Ed., Ph.D. Jan Morton, CGA Marilyn Lamb, B.A., B.Ed. Asheley Cowie, B.Ed.		
Associate Dean, Nursing			
Financial Analyst FNMI Learning Facilitator Student Recruitment and Communications	Robert Ellis, B.A., M.A., Ph.D. Corie Lazenby, B.A. Richard Perlow, B.A., M.S., M.A., Ph.D. Pat Hodd, B.Ed., B.Mgt., 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.		
Dean, Management Executive Assistant Associate Dean, Programs and Administration			
Assistant Dean, Undergraduate Programs Assistant Dean, Northern Campuses			
Manager, Calgary Campus Manager, Edmonton Campus			
Director, External Relations/ Co-operative Education Director, International/First Nations' Governance Director, Master of Science (Management) Program		Director, Integrated Planning Acting Manager, Campus Information Services Coordinator, Scholarships and Student Finance Advisor, Scholarships and Student Finance Financial Aid Advisor Financial Aid Advisor	Ryan Hall, B.A., M.Sc. Becky Lore, B.Sc. Sue Kovach, B.A., B.Mgt. Erin MacDonald, B.Sc., B.Ed. Keith McLaughlin, B.A.

Registrar	Don Hunt, B.Sc., M.Sc.
Associate Registrar, Records and Registration	Debi Sandul
Senior Business Systems Analyst	Angela Mlynarski, B.Sc., M.Sc.
Documents, Calendar Editor	Melody Foreman, B.Mgt.
Assistant Registrar, Admissions and Transfer	Alice Miller, Mgt. Cert., B.G.S., M.B.A.
Manager, Student Systems	Guy Vervoort, B.Sc.
Director, Recruitment, Student Life and Convocation	Natasha Buis Deering, B.A.
Manager, National Recruitment Student Recruitment Officers, Lethbridge Campus	Carma Leishman, B.Sc., B.Mgt. Emily Brown, B.A. Kayla Mirkovich, B.A. Karen Ogilvie, B.A. Tisha Bromley-Wadsworth, B.A.
Student Recruitment Officer, Calgary Campus	Eric Hawthorne, B.A.
Student Recruitment Officer, Edmonton Campus	Melanie Boucher, B.A.
Coordinator, Student Life Programs	Lukas Neamtu, B.Sc.
Coordinator, Student Communications	Kari Sackney, B.A.
Convocation Coordinator	Sarah Faulkner, B.A./B.P.H.E.

Part 19

AWARDS OF DISTINCTION

UNIVERSITY OF LETHBRIDGE AWARDS

HONORARY DEGREE RECIPIENTS

- 1968** None Awarded
- 1969** *Doctor of Laws*
James Gladstone
J.H. Sissons, B.A.
- 1970** *Doctor of Laws*
Murray Adaskin, D.Mus., O.C.
A.E. Palmer, B.Sc., M.Sc.
- 1971** *Doctor of Laws*
Anora Brown
- 1972** *Doctor of Laws*
Roloff Beny, B.A. (Fine Arts),
M.A. (Fine Arts), O.C.
Ernest Manning, C.C.
Chester Ronning, C.C.
W.H. Swift, B.A., M.A., Ph.D.
L.S. Turcotte, LL.B.
Doctor of Literature
Claude Bissell, M.A., Ph.D., C.C.
- 1973** *Doctor of Laws*
James Cousins, B.A., M.A.
Farley Mowat, B.A., O.C.
- 1974** *Doctor of Arts and Science*
Immanuel Velikovsky, M.D.
Doctor of Laws
Gerald Tailfeathers
- 1975** *Doctor of Laws*
N.D. Holmes, B.Sc., M.Sc., Ph.D.
H.K. Rasmussen, B.Sc., M.Sc., Ph.D.
- 1976** *Doctor of Laws*
Alex Johnston, B.Sc., M.Sc.
Gabrielle Roy, C.C.
- 1977** *Doctor of Laws*
Andrew Russell, C.M.
Doctor of Science
Ruby Larson, B.A., M.A., Ph.D.
- 1978** None Awarded
- 1979** *Doctor of Dramatic Arts*
John Neville
Doctor of Laws
Harry Strom
- 1980** *Doctor of Laws*
Hedwig D. Bartling
Doctor of Science
Max Wyman, B.Sc., Ph.D., O.C.
- 1981** *Doctor of Laws*
Liona Boyd, B.Mus., C.M.
Arthur Erickson, B.Arch., D.Eng.,
C.C.
Barbara Elizabeth Hope Johnson
Cleo Mowers, B.A.
- Frank Lynch-Staunton, B.Eng.
Peter Ustinov
Doctor of Letters
Robertson Davies, B.Litt., C.C.
- 1982** *Doctor of Humanities*
Terence M. Penelhum, B.Phil., M.A.
Doctor of Laws
Gwen Pharis Ringwood, B.A., M.A.
Nettie Ware
- 1983** *Doctor of Laws*
Anne Campbell, C.M.
Doctor of Letters
Albert Bandura, B.A., M.A., Ph.D.
- 1984** *Doctor of Laws*
Dale B. Bartlett
V.E. Christou, D.D.S.
Doctor of Science
Archibald Stalker, B.A., M.Sc., Ph.D.
- 1985** *Doctor of Laws*
A.C. Anderson, Phm.C., C.M.
S. Robert Blair, B.Sc., Ph.D., C.C.
H. Martin Kenney, C.M.
Doctor of Science
Helen Hogg, A.M., Ph.D., C.C.
- 1986** *Doctor of Laws*
Eva Brewster
Mel Hurtig, O.C.
Peter McLaren Roberts, M.A., M.A.
Doctor of Science
Brenda Atkinson Milner, B.A., M.A.,
Ph.D., O.C.
- 1987** *Doctor of Laws*
W.Z. Estey, B.A., LL.B., LL.M., C.C.
Y. Kawamura, C.M.
Colin Low, C.M.
Doctor of Science
J.C. Polanyi, B.Sc., M.Sc., Ph.D., C.C.
- 1988** *Doctor of Laws*
Tetsuo Aoki, B.Comm., B.Ed., M.Ed.,
Ph.D.
Islay May Arnold, O.C.
Onkar Prasad Dwivedi, B.Sc., M.A.,
M.A., Ph.D.
Peter Loughheed, B.A., LL.B., M.B.A.,
C.C.
- 1989** *Doctor of Laws*
James Valentine Hogarth Milvain,
LL.B., O.C.
Masao Morimoto, B.A., M.A.
Yoshio Senda
Doctor of Letters
Sydney Wayne Jackman, B.S., M.A.,
M.A., Ph.D.
- Doctor of Science*
Loren Hepler, B.Sc., Ph.D.
- 1990** *Doctor of Laws*
Reed Cowley Ellison
Donald Southam Harvie, B.Sc.,
M.B.A., P.Eng., O.C.
Walter Alvah Samuel Smith, B.A.,
M.A., Ph.D.
Doctor of Letters
Robert Steven Patterson, B.Ed.,
M.Ed., Ph.D.
Doctor of Science
Frank Moore Cross, A.B., B.D., M.A.,
Ph.D.
- 1991** *Doctor of Laws*
Lawrence D. Halmrast
Joy Nozomi Kogawa, B.A., C.M.
Mary Elizabeth Munn, L.R.A.M.,
M.Mus., D.M.A., C.M.
Doctor of Letters
Harry William Arthurs, B.A., LL.B.,
LL.M., O.C.
Doctor of Science
Johan F. Dormaar, B.S.A., Ph.D.
- 1992** *Doctor of Laws*
Helen Manyfingers, C.M., B.Ed.
Keith Victor Robin, B.Ed., M.A., D.Ed.
William Stafford Russell, B.A., LL.B.
Doctor of Letters
Douglas Sanders, B.A., LL.B., LL.M.
Doctor of Science
Jan Bures, Ph.D.
- 1993** *Doctor of Laws*
Florence Dorothy Dalgliesh
Russell J. Leskiw, M.Ed., Ph.D.
Anne Wheeler, B.Sc., O.C.
Doctor of Science
Richard Edward Taylor, B.Sc., M.Sc.,
Ph.D.
- 1994** *Doctor of Humanities*
Douglas Joseph Cardinal,
B.Arch. (Hons.), O.C.
- 1995** *Doctor of Fine Arts*
Takao Tanabe, C.M.
Doctor of Laws
William E. Beckel, B.A., M.Sc., Ph.D.
Irene E. McCaugherty
- 1996** *Doctor of Humanities*
Donald H. Akenson, B.A., Ed.M.,
Ph.D.
Doctor of Laws
Cornelius Martens
Doctor of Science
Robert T. Golembiewski, B.A., M.A.,
Ph.D.

UNIVERSITY OF LETHBRIDGE AWARDS

- 1997** *Doctor of Arts and Science*
Bertram Neville Brockhouse, B.Sc.,
M.Sc., Ph.D., C.C.
- Doctor of Laws*
Richard Keith Downey, Ph.D., O.C.
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 Kiyoshi Hirabayashi, B.A.,
M.A., Ph.D.
- Doctor of Laws*
Robert Bertram Church, B.Sc., M.Sc.,
Ph.D., C.M.
David William Hughes
- Doctor of Science*
Dorothy May Pringle, B.Sc.N., M.S.,
Ph.D.
- 1999** *Doctor of Laws*
Ovide Mercredi, LL.B.
Ralph Thrall Jr., B.Sc., 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.
William Maurice Sibley, B.A., M.A.,
Ph.D.
- Doctor of Science*
Marie Elizabeth Sanderson, B.A.,
M.A., Ph.D.
Cornelius 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*
Nellie Joy Cournoyea
Beverley Marian McLachlin, B.A.,
M.A., LL.B.
Ingrid Marie Speaker, B.A., B.Ed.
- Doctor of Science*
Marc Garneau, B.Eng., Ph.D., O.C.
Laughlin Barker Taylor, B.Sc., B.Ed.,
M.Sc.
- 2002** *Doctor of Fine Arts*
Howard Cable, C.M.
Joan Stuart Barclay Waterfield
- Doctor of Laws*
Orville Kope
- Doctor of Science*
Robert Hironaka, B.Sc., M.Sc., Ph.D.
Jonathan Schaeffer, B.Sc., M.Math.,
Ph.D.
- 2003** *Doctor of Arts*
John Hayden Woods, B.A., M.A.,
Ph.D., LL.D. (h.c.), F.R.S.C.
- Doctor of Fine Arts*
Zoran Kacic-Alesic, B.Eng., M.Sc.
- Doctor of Laws*
Donald Ross Getty, H.B.A., O.C.
Lanny King McDonald
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 Aglukark Poirier
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., QC,
B.Comm., LL.B.
Thomas Dale Jackson
Kathleen Isobel Kerr
Yoshitaka Kinjo
Valerio Angelo Matteoti
Roland Philip Muir North, B.Sc., LL.B.
- Doctor of Science*
Maurice Martin Moloney, B.Sc., Ph.D.
- 2005** *Doctor of Arts and Sciences*
Owen Gordon Holmes, Ph.D.
- Doctor of Fine Arts*
William Fruet
- Doctor of Humanities*
Romeo Dallaire, B.Sc.
- Doctor of Laws*
Leonard Kane Haney
Edward Elliott McNally, LL.B.
Eric Patrick Newell, B.Sc., M.Sc.
Dennis Sidney O'Connell
Judith Grunfeld Shamian, B.A., M.P.H.,
Ph.D.
Howard Edward Tennant, C.M.,
M.B.A., Ph.D.
Pamela Dawn Wallin, B.A.
- Doctor of Science*
Julie Payette, B.E., M.App.Sc.
- 2006** *Doctor of Laws*
Thomas Wilhelmus Droog
Catherine Anne Fraser, B.A., LL.D.
Allan Paul Markin, B.Sc.
John Digby Prentice, B.Sc.
Chava Rosenfarb
Lena Heavy Shields Russell
Blaine Allen Thacker, Q.C.
Willard H. Yuill
- Doctor of Science*
David William 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.C., 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 Norman Hotchkiss, B.Sc.,
LL.D., O.C., P.Geol., A.O.E.
Terrance E. Royer, B.A.S. (B.A.)
- Doctor of Science*
Ronald James Gillespie, B.Sc., Ph.D.,
D. Sc.
James Edgar Till, B.A., M.A., Ph.D.,
O.C., O.Ont., F.R.S.C., D.Sc.
- 2008** *Doctor of Fine Arts*
Ben Heppner, O.C., B.Mus.
Wendy Louise Nielsen, B.Mus.,
M.Mus.
- Doctor of Laws*
Henry John Bergen, C.M.
Shirley DeBow, B.A.
Roelof Adriaan Heinen
Constance Prentice, B.Ed.
Sheila Weatherill, C.M., B.Sc.N.
- Doctor of Science*
Ian Q. Whishaw, B.A., M.Sc., Ph.D.,
F.R.S.C.
- 2009** *Doctor of Fine Arts*
Paul Brandt
Joan Marie Stebbins, C.M., B.F.A.
- Doctor of Laws*
Robert Samuel Best, B.A., M.A.
Ralph Eugene Himsl, B.A., B.Ed.,
M.Ed.
Mobina Sherali Bandali Jaffer, LL.B.,
Q.C.
Samantha Joan Nutt, M.D., M.Sc.,
CCFP, FRCPC, LL.D.
Son Soubert, M.A.
Ross Wade Watson, B.A.
- 2010** *Doctor of Laws*
Ike A. Lanier, B.A.
Shirley Anne Margaret McClellan
Michael Thomas Melling, B.Sc., M.B.,
Ch.B., FRCS(Glas.), FRCS®,
FACS., Certfd.ASAM
Hank A. Margolis, B.Sc., M.F., Ph.D.
- Doctor of Science*
Vincent Di 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. Gemer
- Doctor of Science*
Gordon Walter Semenoff, B.Sc.,
Ph.D.
- 2012** *Doctor of Laws*
William 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.

UNIVERSITY OF LETHBRIDGE AWARDS

DISTINGUISHED TEACHING AWARD

Sponsored by Miss A.M. 'Dolly' Tennant

- 1987** David Spinks, L.T.C.L., F.R.S.A.
Dramatic Arts
Paul Upton, M.A.
English
- 1988** Robert Anderson, Ph.D.
Education
Ronald Yoshida, Ph.D.
Philosophy
- 1989** Robert Arms, Ph.D.
Psychology
Shelly Wismath, Ph.D.
Mathematical Sciences
- 1990** Keith Parry, Ph.D.
Anthropology
Brian Tyson, Ph.D.
English
- 1991** Patricia Chuchryk, Ph.D.
Sociology
Bryan Kolb, Ph.D., F.R.S.C.
Psychology
- 1992** Richard Arnold, Ph.D.
English
Malcolm Greenshields, D.Phil.
History
- 1993** Alan Aycock, Ph.D.
Anthropology
Gail Michener, Ph.D.
Biological Sciences
- 1994** William Baker, Ph.D.
History
John Donald Read, Ph.D.
Psychology
- 1995** Jane O'Dea, Ph.D.
Education
Lucius Stebbins, Ph.D.
Biological Sciences
- 1996** Martin Oordt, M.A.
English
John Woods, Ph.D., LL.D. (h.c.), F.R.S.C.
Philosophy
- 1997** Norman Buchignani, Ph.D.
Anthropology
Ian Wishaw, Ph.D., F.R.S.C.
Psychology
- 1998** 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
Hillary Rodrigues, Ph.D.
Religious Studies/Anthropology
- 2001** Douglas Bray, B.Sc.
Biological Sciences
- 2002** Christopher Armstrong-Esther, Ph.D.
Health Sciences

- 2003** 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 McAdam, Ph.D.
English
- 2010** Leah Fowler, Ph.D.
Education
- 2011** Hans-Joachim Wieden, Ph.D.
Chemistry & Biochemistry
- 2012** David Hay, Ph.D.
History

INGRID SPEAKER MEDAL FOR DISTINGUISHED RESEARCH, SCHOLARSHIP, OR PERFORMANCE

Sponsored by Dr. Ingrid Speaker, Chancellor Emerita

- 1995** Menno Boldt, Ph.D.
Sociology
- 1996** Ian Wishaw, 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 Ali, Ph.D.
Physics
- 2002** David Naylor, Ph.D.
Physics
- 2003** Gail Michener, Ph.D.
Biological Sciences
Margret Winzer, 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 Titley, Ph.D.
Education
- 2010** Dave Morris, Ph.D.
Education
- 2011** Jennifer Mather, Ph.D.
Psychology
- 2012** Joseph Rasmussen, Ph.D.
Biological Sciences

UNIVERSITY OF LETHBRIDGE BOARD OF GOVERNORS RESEARCH CHAIRS

- 2000** Ian Wishaw, 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 Weselake, Ph.D.
Chemistry and Biochemistry
- 2003** Larry Flanagan, Ph.D.
Biological Sciences
Kurt Klein, Ph.D.
Economics
Gail Michener, Ph.D.
Biological Sciences
David Naylor, Ph.D.
Physics
- 2005** Ian Wishaw, 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 Kovalchuk, Ph.D.
Biological Sciences
Olga Kovalchuk, 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 Naylor, Ph.D.
Physics and Astronomy
Sergio Pellis, Ph.D.
Neuroscience
Olga Kovalchuk, Ph.D.
Biological Sciences
Igor Kovalchuk, Ph.D.
Biological Sciences

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

UNIVERSITY OF LETHBRIDGE BOARD OF GOVERNORS UNIVERSITY SCHOLARS

- 2008** Brian Titley, 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 Ng, Ph.D.
Humanities
Louise Barrett, Ph.D.
Sciences
- 2012** Janice Rahn, Ph.D.
Education
Judith Whitehead, Ph.D.
Social Science
Peter Visentin, Ph.D.
Fine Arts

PRESIDENT'S AWARD FOR SERVICE EXCELLENCE

- 2003** Debi Sandul
Associate Registrar, Records and Registration
- 2004** Sharon Stevenson-Ferrari
Library Collections and Database Services (AUPE)
Terry Kirkvold
Telecom Manager (APO)
- 2005** Catherine Ross
Fine Arts Technician (AUPE)
Peter Haney
Assistant Registrar, Admissions (APO)

- 2006** Penny Secretan
Information Centre, Supervisor (AUPE)
Carrie Takeyasu
Associate Director, Financial Services (APO)
- 2007** Carl Budny
Building Maintenance (AUPE)
- 2008** Jane Allan
Grant Facilitator (APO)
Teresa Heyburn
Manager, Costume Shop (AUPE)
Lynn Hopkins
Costume Shop Assistant (AUPE)
- 2009** Naomi 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 Corbin, Kristin Galicia, Ghazia Kirn, and Kelly Reid
Calgary Campus Administrative Team (AUPE)
- 2012** Kathleen Schrage
Manager, School of Graduate Studies (APO)
Linda Sebastian
Timetable and Convocation Officer (AUPE)

KEY TO THE UNIVERSITY OF LETHBRIDGE

- Robert J. Turner
Board of Governors Chair Emeritus
- Richard Davidson
Chancellor Emeritus
- Val and Flora Matteoti
Friends
- Tony Rose and Rocco Sirriano
Friends
- Robert Tarleck
Former Mayor of Lethbridge
- Rick Casson
Former MP Lethbridge
- Ed Stelmach
Former Alberta Premier
- Robert Hironaka
Chancellor Emeritus

UNIVERSITY OF LETHBRIDGE VOLUNTEER AWARD

Sponsored by the University of Lethbridge Senate

- 2005** Sharon Tennant
- 2006** Knud Petersen
- 2007** Judith Ann O'Shea
- 2008** Daniel Douglas Laplante
- 2009** Dennis M. Connolly
- 2010** Robert Hironaka
Elsa Cade
- 2011** Elisha Rasmussen
- 2012** George Evelyn & Lottie Austin

DISTINGUISHED ALUMNI

Sponsored by the University of Lethbridge Alumni Association

- 1989** Don A. Vanden Berg, Ph.D.
- 1990** Clint Brooks, Ph.D.
- 1992** Terrance Earl Robinson, Ph.D.
- 1993** Rick Mrazek, Ph.D.
- 1994** Quentin J. Pittman, Ph.D.
- 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 Prusky, 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 Romses, B.A.Sc. (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, B.A.Sc. (B.A.)
- 2012** Kathryn Preuss, Ph.D.

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 Hontela, 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 Wetmore, Ph.D.

Chemistry and Biochemistry (Tier 2)

2009 Claudia Gonzalez, Ph.D.

Kinesiology (Tier 2)

CANADA'S TOP 40 UNDER 40 (TM)

2010 Olga Kovalchuk, Ph.D.

CANADIAN ASSOCIATION FOR COOPERATIVE EDUCATION (CAFCE), CO-OP STUDENT OF THE YEAR

2000 Russell Goodman

2003 Marc Slingerland

FULBRIGHT SCHOLARS

1999/2000 Derek R. Peddle, 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 McNaughton

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., FRSC

Fellow (Academy II, Academy of Social Science)

Director, Social Sciences Division, 2007–2009

1998 Ian Wishaw, Ph.D., F.R.S.C.

Fellow (Academy of Science)

2000 Bryan Kolb, Ph.D., F.R.S.C

Fellow (Academy of Science)

COLLABORATING AND PARTNERING INSTITUTIONS

1. COLLABORATING INSTITUTIONS	595	f. Fine Arts (Theatre and Dramatic Arts) Program	596
2. PARTNERING INSTITUTIONS	595	g. Fine Arts (Multidisciplinary) Program	596
a. Agricultural Studies Program	595	h. Health Sciences - Addictions Counselling Program	596
b. Computer Science Program	595	i. Management Program	596
c. Environmental Science Program	595	j. Music Program	597
d. Geography, with a Concentration in Geographical Information Science Program	596		
e. Fine Arts (Art) Program	596		

This Part provides a list of institutions collaborating or partnering with the University of Lethbridge. For a complete list of the approved diplomas at each institution, please contact the appropriate Faculty/School or access the Post-Diploma Degree Program website at www.uleth.ca/postdiploma.

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 Institute of Applied Science and Technology (SIAST)

b. Computer Science Program

Alberta

Grande Prairie Regional College
Lethbridge College
Medicine Hat College
Northern Alberta Institute of Technology (NAIT)

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 Institute of Technology and Advanced Learning
Loyalist College
Sheridan Institute of Technology and Advanced Learning
St. Lawrence College

Saskatchewan

Saskatchewan Institute of Applied Science and Technology (SIAST)

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

Alberta

Lethbridge College
Mount Royal University
Northern Alberta Institute of Technology (NAIT)
SAIT Polytechnic

British Columbia

Selkirk College

Manitoba

Assiniboine Community College

Saskatchewan

Saskatchewan Institute of Applied Science and
Technology (SIAST)

e. Fine Arts (Art) Program

Alberta

Grande Prairie Regional College
Grant MacEwan College
Keyano College
Medicine Hat College
Red Deer College

British Columbia

Camosun College
Capilano University
Emily Carr Institute of Art and Design
Kwantlen Polytechnic University
Langara College
Thompson Rivers University
University of the Fraser Valley

Ontario

Cambrian College of Applied Arts and Technology
Fanshawe College
Fleming College
Georgian College
Humber College Institute of Technology and Advanced
Learning
Niagara College
Ottawa School of Art
Sheridan Institute of Technology and Advanced Learning

United States

Brigham Young University - Idaho

Malaysia

Limkokwing Institute of Creative Technology

f. Fine Arts (Theatre and Dramatic Arts) Program

Alberta

Grant MacEwan College
Keyano College
Medicine Hat College
Mount Royal University
Red Deer College

British Columbia

Douglas College
Langara College
University of the Fraser Valley

Ontario

George Brown College

Humber College Institute of Technology and Advanced
Learning

Sheridan Institute of Technology and Advanced Learning

United States

Brigham Young University - Idaho

g. Fine Arts (Multidisciplinary) Program

Alberta

Grande Prairie Regional College
Grant MacEwan College
Mount Royal University

h. Health Sciences - Addictions Counselling Program

Alberta

Lethbridge College

Ontario

Fleming College

i. Management Program

Alberta

Athabasca University
Bow Valley College
Grande Prairie Regional College
Grant MacEwan College
Keyano College
Lakeland College
Lethbridge College
Maskwachees Cultural College
Medicine Hat College
Mount Royal University
Northern Alberta Institute of Technology (NAIT)
Olds College
Portage College
Red Deer College
SAIT Polytechnic
Yellowhead Tribal College

British Columbia

British Columbia Institute of Technology (BCIT)
Camosun College
Capilano University
College of New Caledonia
College of the Rockies
Columbia College
Douglas College
Nicola Valley Institute of Technology
Okanagan College
Selkirk College
Vancouver Island University

Manitoba

Assiniboine Community College
University College of the North (formerly Keewatin
Community College)
Red River College

Newfoundland

College of the North Atlantic (formerly Central
Newfoundland Regional College)

Northwest Territories

Aurora College

Nunavut

Nunavut Arctic College

Ontario

Algonquin College
Cambrian College of Applied Arts and Technology
Centennial College
Conestoga College
Confederation College
Fanshawe College
Fleming College
Lambton College

Quebec

Dawson College

Saskatchewan

Saskatchewan Institute of Applied Science and
Technology (SIAST)
Saskatchewan Indian Institute of Technologies (SIIT)

Yukon Territory

Yukon College

United States

Brigham Young University - Idaho

Malaysia

Disted - Stamford College
Nilai International College

Singapore

Nanyang Polytechnic
Temasek Polytechnic

j. Music Program

Alberta

Grande Prairie Regional College
Grant MacEwan College
King's University College (The)
Mount Royal University
Red Deer College

British Columbia

Camosun College
Capilano University
Douglas College
Kwantlen Polytechnic University

Ontario

Cambrian College of Applied Arts and Technology
Humber College Institute of Technology and Advanced
Learning
Mohawk College

United States

Brigham Young University - Idaho

Malaysia

University College Sedaya International (UCSI)

GLOSSARY

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 William 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. 153**).

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 17**).

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 & Co-op Services (CCS)

Career & Co-op 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. and M.Sc. (Management) programs.

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 single course which may be designated as originating from two different Faculties/Schools within the University and which counts in both disciplines.

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. 40**).

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. 72**). 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 courses) in a Fall, Spring, or Summer semester is considered full-time. Students enrolled in Co-operative Education Work Experience courses are considered to be full-time. Registered M.A., M.Sc., or Ph.D. students 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 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/Non-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.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 B.A.Sc., 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.

Multidisciplinary Major

A major which focuses on a single subject area but incorporates knowledge from several disciplines. Multidisciplinary majors at the University of Lethbridge include Agricultural Biotechnology, Agricultural Studies, Archaeology and Geography, Biochemistry, Canadian Studies, Computer Science and Geographical Information Science, Environmental Science, Exercise Science, Neuroscience, Remote Sensing, and Urban and Regional Studies. Students may also elect to pursue an individual multidisciplinary major (see **Part 7 - Arts and Science, Section 15.rr. Individual Multidisciplinary Major, p. 143**).

Notice Board (www.uleth.ca/notice/)

A website maintained by the Department of Information Technology 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 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 by 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. 73**).

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 Studies program or Graduate Studies 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. 48).**

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 4 - Academic Regulations, Section 6. Caveat - Authority to Rescind Registration Privileges/Prohibit Access to University Property (p. 83).**

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.g. (p. 74)** for specific information on all program residence requirements. Some Faculties/Schools 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.i. Substantially Similar Course Limits, p. 73**). 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 II/III occurs during the period early July to mid-August; and Summer Session III 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. 103**), the Faculty of Fine Arts (see **Section 4.e.2, p. 178**), and the Faculty of Health Sciences (see **Section 7.c., p. 203**).

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,' the 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.

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Z

Zoology Courses. See Biological Sciences