

CONCORDIA UNIVERSITY
UNDERGRADUATE
PROGRAM GUIDE

The background of the cover features an abstract geometric design. It consists of several overlapping, semi-transparent shapes in shades of green and teal. A prominent shape is a large, upward-sloping triangle in a medium green color, which overlaps with a teal shape below it and another green shape to its left. The overall effect is a dynamic, layered composition.

Montreal, Canada
2012 / 2013

CONCORDIA UNIVERSITY

Over 35,000 undergraduate students make Concordia University their home, not just for the flexibility that comes with the choice of over 300 exceptional academic programs but also for the strength and reputation of our faculty, our engaged student population, and the strong sense of community that we create together.

Centrally located in the vibrant and multicultural city of Montreal, Concordia is a dynamic learning environment that is on the leading edge of practical, interdisciplinary education and innovative research. Concordia's diversity and openness to the world and to new ideas inspires us to develop fresh approaches to learning, research, and social responsibility.

Concordia is a two-campus university, with the Sir George Williams Campus located right downtown, and the Loyola Campus located a short seven kilometres away in Montreal's residential west end. The variety of student spaces and resources available on our campuses will allow you to create your own unique experience and the free shuttle bus and close proximity between campuses makes transit between the two easy.

At Concordia, you'll find an educational experience that sparks your curiosity, nurtures your appetite for knowledge and respects your individuality. We encourage you to explore this Undergraduate Program Guide and discover the wealth of academic choices available to you. We are confident that by choosing Concordia, you will have an inspiring and rewarding university experience that will serve you throughout your personal and professional endeavours.

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Note:

The Undergraduate Calendar is the official document of the University.

The programs listed in this document are current to the time of printing. Academic units may make major and/or minor changes on an ongoing basis. Please consult the specific department website for up-to-date information.

www.concordia.ca

PROGRAM STRUCTURE

When deciding on the program(s) you would like to apply to you must also choose a concentration: an Honours, Specialization, Major or Option. Concentrations allow you to pursue your program of choice with different levels of intensity and for different purposes, so that you may guide your studies towards future goals or individualize your education according to interest by combining different concentrations. For example, an Honours, Specialization, or Major can be combined with a Minor. In some circumstances, a double Major is also possible.

If during the course of your studies you would like to change concentrations please speak with an academic advisor in your department.

Honours

An Honours degree consists of 60 or more credits in a discipline with superior performance required to enter and remain in the program. Honours are highly concentrated programs that are primarily for those planning to pursue graduate studies. In their first year, students may register in Honours program courses, but their acceptance as Honours students will depend on their performance.

Students who do not meet requirements for Honours standing will automatically be considered for either a Specialization or a Major program.

Specialization

A Specialization is a sequence of courses totalling 60 or more credits. The Specialization provides in-depth study in a particular field, while leaving a substantial number of credits to the individual's choice. In a few cases it includes a performance requirement. In addition to courses in a particular discipline, the Specialization may include courses in other closely related fields.

Major

A Major is a sequence of courses totalling 36 or more credits, except in the John Molson School of Business where the Major consists of at least 24 credits in a particular discipline in addition to the required 42-credit core. A Major may include certain courses in other closely related fields.

Minor

A Minor is a sequence of courses totalling 24 or more credits that provides a basic introduction to the methodology and key concepts of a discipline or field (except in the John Molson School of Business where a Minor consists of 12 credits in a chosen discipline in addition to the required 42-credit core). Students are not required to take a Minor. Completion of one or more Minors does not meet the requirements for a degree, and must be done in combination with a Major, Specialization or Honours.

Option

In the Faculty of Engineering and Computer Science, concentrations are referred to as Programs. Most of these Programs have Options, where students take a number of related courses in a chosen area.

Certificate Programs

Concordia offers several undergraduate Certificates, usually of 30 credits, made up of regular undergraduate courses. Certificates are independent programs and not part of degree programs; however, courses taken as part of a Certificate program are normally applicable to the appropriate undergraduate degree.

PROGRAM LENGTH

In order to accommodate the varied educational backgrounds of our students, Concordia has implemented two structures of program length.

Regular Program

Students from within the province of Quebec who have attended Cegep (a two-year college-level, post-secondary institution) or students who have completed the French Baccalauréat or an International Baccalaureate diploma are among those enrolled in the regular degree program. A regular degree program is normally 90 credits or approximately three years of full-time study, with the exception of the following programs which require 120 credits (four years):

- All programs in Engineering
- Early Childhood and Elementary Education
- Teaching English as a Second Language (TESL)
- Specialization in Art Education

Extended Credit Program

Students from other education systems, such as graduates of secondary schools from outside the province of Quebec, may be considered for admission to the Extended Credit Program (ECP). All students admitted to the ECP are required to take a minimum of 30 credits in addition to regular (90 or 120 credit) degree program requirements. Some programs require students to take specific first-year courses. Refer to the following sections of the Undergraduate Calendar for details:

Arts and Science §31.002
John Molson School of Business §61.20
Engineering and Computer Science §71.20.2 and §71.70.3
Fine Arts §81.10

Mature Entry Program

Certain applicants who do not meet the normal academic requirements may still be considered for admission to the Mature Entry Program (MEP), which requires the completion of a minimum of 18 additional credits. For more information on the MEP, please consult page 67.

CO-OPERATIVE EDUCATION

Concordia is proud to be a leader in the field of co-operative education. Concordia's Institute for Co-operative Education provides the opportunity for students to enhance their university education by gaining practical work experience while pursuing their education. Over 30 undergraduate and four graduate programs offer a co-operative education component, whereby students alternate formal academic study terms with paid work terms.

Students can complete their work terms in private industry, not-for-profit organizations and government agencies, as well as through their own entrepreneurial endeavours. Furthermore, work terms are available locally, nationally, and in some cases internationally.

Why get involved?

The Co-op program is about much more than just a job and the benefits of participating will serve students well beyond the classroom. Co-op allows students to identify areas of strength and skills they already possess, and to improve key areas that will be of interest to potential employers. By providing a progressive experience that integrates theory and practice co-op gives students the opportunity to transfer knowledge and skills between work and classroom settings.

Other great reasons to join the Co-op program:

- Networking opportunities: Co-op students not only meet industry professionals; they get to participate in social activities, employer presentations and student showcases.
- Career exploration: Co-op allows students to 'test the waters' in a chosen field and assess the suitability of their academic and career choices before entering the workforce full-time.
- Gain valuable experience: Co-op students get relevant work experience and make use of academic training before graduation. Students also gain important soft skills (such as communications, team work, and interpersonal skills) essential to today's work environment.

How it works

Work terms are paid full-time placements that last 12-17 weeks. The sequencing of work and study terms depends on students' academic programs. In most cases, work terms commence in the student's second year. Co-op students normally work or study throughout the Summer semester as well.

Though Co-op students are expected to be active in the job search process, there is a strong support system at the Institute for Co-operative Education to guide students over the course of their time in the program. Co-op program coordinators are available to help individual students identify their strengths, write effective resumés and cover letters, and develop techniques to increase the likelihood of securing a rewarding placement. Professional development seminars are also available to help students enhance their interview techniques and learn job search and career planning skills. New Co-op students have the opportunity to 'learn the ropes' by being matched with more experienced Co-op mentors.

How to get involved

Co-operative education is for high-achieving students and a high-level of academic performance is expected. Admission to Co-op is based on academic performance and other factors such as extracurricular activities, communication skills, motivation, personality, and ambition. Students wishing to apply to the Co-op program should check the appropriate box on Concordia's online application. In some Co-op programs, selected applicants may be interviewed by a Co-op committee. Applicants may be asked to provide a resumé of educational, volunteer and work experience and a statement that outlines their interest in the co-operative education format.

For more information about our Co-op programs, please visit co-op.concordia.ca.

FACULTY OF ARTS AND SCIENCE

Contact Us artsandscience.concordia.ca

Student Academic Services

T: 514-848-2424 ext. 2104

F: 514-848-3092

E: artsandscience@concordia.ca

Faculty of Arts and Science
7141 Sherbrooke St. W., AD 202
Montreal, Quebec H4B 1R6

Program Structure

Degree programs in the Faculty of Arts and Science are structured as a combination of specialized and general study. The Faculty promotes a breadth of study, rather than narrow specialization at the bachelor's level. That is why only a limited number of programs of concentration (such as Honours and Specialization) require more than 60 credits be taken in a single department. In keeping with this principle of a broadly based education, students must complete at least 24 credits outside the department of the program of concentration in order to graduate. Six of these credits must also be chosen from outside the broad disciplinary sector of study. At the same time, the Faculty believes that a minimum number of credits must be taken within the Faculty in order to earn one of its degrees. A maximum of 36 credits may be taken outside the Faculty, and these should be spread evenly over the program. In general, credits obtained in a given course may not be used to satisfy the requirements of more than one program of concentration.

BA and BSc Degree Requirements

Students who have a Quebec Diploma of Collegial Studies (DEC) or an equivalent qualification are required to complete a minimum of 90 credits. Full-time studies normally entails 30 credits a year. Part-time studies represents up to 18 credits in the regular session (September–April), spread over the two terms. It is also possible to take up to 12 credits in the summer session, although the range of course offerings is limited. With a few exceptions, courses given over one term are worth three credits, while those given over two terms are worth six credits. Within these 90 credits, students must complete one of the following programs of concentration: Honours, Specialization, or Major.

BEd Degree Requirements

The Bachelor of/Baccalaureate in Education degree is offered only as a 120-credit Specialization in Teaching English as a Second Language. Program requirements: page 11.

Teacher Education

Teacher education is offered in Art Education in the Faculty of Fine Arts; and in Early Childhood and Elementary Education (ECEE) and Teaching English as a Second Language (TESL) in the Faculty of Arts and Science. Graduates are eligible for a licence to teach (*brevet d'enseignement*) from the *Ministère de l'Éducation, du Loisir et du Sport (MELS)*. Most provinces have exchange agreements concerning teacher certification and licences tend to be portable between provinces. Concordia does not have a Faculty of Education. It has chosen to organize teacher education in the academic departments most closely concerned with the discipline to be taught in order to better integrate theory and practice.

General Education

As of September 2002, all students admitted to the Faculty of Arts and Science must satisfy the General Education Requirement in order to graduate. All students are required to take six credits outside of their broad disciplinary sector of study. For further information, please refer to the Undergraduate Calendar.

APPLIED HUMAN SCIENCES

ahsc.concordia.ca

Do you want to make a difference in communities, organizations, groups, families and relationships? The Department of Applied Human Sciences offers programs in youth work and family relations, human relations, therapeutic recreation, leisure sciences, family life education, community service and human systems intervention.

Human Relations

BA Specialization in Human Relations — 60 credits

Intended for students interested in developing and applying a high level of skill and knowledge in small group leadership in practical settings. Includes a research component and an internship in the final year, culminating and focusing on the student's area of study.

BA Major in Human Relations — 42 credits

Intended for students interested in developing human relations skills and a good grounding in small group leadership. Includes a fieldwork component in the final year that gives students an opportunity to apply the skills and knowledge derived from the classroom.

Minor in Human Relations — 30 credits

An opportunity to obtain knowledge and practice in group dynamics, group leadership, interpersonal relations and communications, design skills and simulated class practice in facilitation.

Leisure Sciences

BA Specialization in Leisure Sciences — 60 credits

This program deals with the social and cultural integration of the individual at leisure, giving students skills in an in-depth look at recreation administration and/or recreation programming.

BA Major in Leisure Sciences — 42 credits

For students who want to develop an understanding of leisure in modern society and skills in recreation leadership and programming.

Therapeutic Recreation

BA Specialization in Therapeutic Recreation — 60 credits

Therapeutic recreation can be described as a service that helps address the leisure needs of individuals with physical, social, intellectual, or emotional disabilities. The ultimate goal is to help them attain healthy and independent leisure functioning. Therapeutic recreation specialists are part of an interdisciplinary team responsible for addressing all aspects of the individual's functioning; the approach is holistic, rather than segmented.

Certificates

Certificate In Community Service: 30 credits**

Designed for those who are qualified in their own profession and who wish to obtain additional training and practice in their chosen field. The aim is to provide basic knowledge and skills through theoretical and practical work for those desiring effective change in special needs groups, organizations, and communities. This certificate can be completed with an emphasis in one of the following: Community Intervention, Health Promotion, or Organizational Leadership.

Certificate in Family Life Education: 30 credits**

Designed for those who are qualified in their own professions and wish to obtain additional training and practice in group leadership and small group dynamics; interpersonal relations and communications; and designing, facilitating and evaluating programs and workshops. The aim is to increase knowledge and skills relevant to conducting family life education programs in service agencies, hospitals, schools, companies, and religious institutions.

**** Credits earned in a Certificate program may be applied towards the requirement for a Bachelor of/Baccalaureate in Arts degree.**

Sample courses include:

Life Span Growth and Development for Practitioners
Interpersonal Communication and Relationships
Respecting Diversity in Human Relations
Adolescence: Issues and Intervention
Older Adulthood: Issues and Intervention
Fundamentals of Child- and Youth-Care Work
Leisure Assessment and Counselling

Career opportunities

Social service agencies, hospitals, schools, community recreation centres, youth service organizations, corporations, universities and government agencies, counselling, human systems intervention, adult education, parks administration, recreation management and therapeutic recreation.

BIOLOGY

clone.concordia.ca/bioweb

Are you fascinated by living organisms, the environment, or the latest breakthroughs in DNA technology? If so, consider an education and career in the biological sciences. The Department offers a broad education in the fundamentals of the biological sciences. With a variety of programs to choose from and an opportunity to conduct original, independent research in the areas of Behavioural Ecology, Biochemistry, Cell Biology, Conservation Biology, Entomology, Fish Ecology, Genetics, Genomics, Microbiology, Molecular Biology, Molecular Ecology, Plant Biology, and Wildlife Ecology, our students can truly expand their horizons in the field of biology.

Biology

BSc Honours in Biology — 72 credits

Designed for outstanding students who wish to follow a vigorous sequence of courses in preparation for graduate work or professional training. A high level of performance is required to enter and remain in the program.

BSc Specialization in Biology — 60 credits

Similar to Honours, but no special performance level is required and it does not require Independent Study.

BSc Major in Biology — 45 credits

Designed for students not wishing a heavy specialization in the subject. The Major is often taken together with a Major or Minor from another department.

Minor in Biology — 24 credits

Highly flexible and designed for students whose main interest is in another department.

Cell and Molecular Biology**BSc Honours in Cell and Molecular Biology — 72 credits**

Provides students with the theoretical, analytical, and hands-on laboratory training in preparation for graduate work in molecular biology or a career in the health sciences.

BSc Specialization in Cell and Molecular Biology — 66 credits

Similar to Honours, but no special performance level is required and it does not require Independent Study.

Ecology**BSc Honours in Ecology — 72 credits**

Provides students with theoretical, practical and hands-on field training in preparation for graduate work in the ecological sciences or a career in the environmental sciences.

BSc Specialization in Ecology — 60 credits

Similar to Honours, but no special performance level is required and it does not require Independent Study.

Sample courses include:

Genetics and Human Welfare
Biodiversity and Ecology
Cell Biology
Communities and Ecosystems
Immunology
Molecular Biology
Comparative Genomics and Genome Evolution

Career opportunities

Research assistant, data analyst, wildlife technician, member of marketing teams in the pharmaceutical and health industries, technical writer, science education, healthcare and veterinary medicine.

CANADIAN STUDIES

econcordia.com/home/certificates/canadianstudies.aspx

Certificate in Canadian Studies — 30 credits

Want to learn about Canada while earning a University Certificate or possible degree credit? The Faculty of Arts and Science, together with the Faculty of Fine Arts and the John Molson School of Business, offers a 30-credit Certificate in Canadian Studies. This Certificate, offered entirely online, is a non-degree program that caters particularly to students who are unable to attend on-campus courses. A collaborative effort of nine academic units representing three Faculties and interdisciplinary in nature, the purpose of this Certificate is to offer students the opportunity to learn about Canada and Canadian culture. Courses include a mix drawn from the social sciences, the humanities, the arts, and business.

Sample courses include:

Introduction to Canadian Literature
Introduction to Canadian Politics
Canadian Environmental Issues
Canadian Society

CHEMISTRY AND BIOCHEMISTRY

chem.concordia.ca

Would you like a front row seat to the scientific and technological achievements that are shaping our future? As a student in the Department of Chemistry and Biochemistry you can acquire skills to launch an exciting career in an academic, government, hospital or industrial laboratory. Our department provides a solid foundation in organic, inorganic, physical and analytical chemistry and biochemistry, and offers training opportunities in cutting-edge fields such as environmental, computational and protein chemistry, nanotechnology and biological mass spectrometry.

Chemistry**BSc Honours in Chemistry — 60 credits***

This program includes a Research Project and Thesis designed to provide training and practice in research under the direction of a faculty member of the Department. A high level of performance is required to enter and remain in the Honours program.

BSc Specialization in Chemistry — 60 credits*

Similar to Honours, but the Research Project and Thesis is replaced by an Independent Study and Practicum course.

BSc Major in Chemistry — 45 credits

Includes courses in Analytical, Organic, Physical, and Inorganic Chemistry, Biochemistry, and Spectroscopy.

Minor in Chemistry — 24 credits

Provides a coherent view of chemistry while complementing another area of study. The course pattern chosen must have been previously approved by a department program advisor.

Biochemistry**BSc Honours in Biochemistry — 72 credits***

A high level of performance is required to enter and remain in the Honours program. Included in this program is a Research Project and Thesis designed to provide training and practice in research under the direction of a faculty member of the Department.

BSc Specialization in Biochemistry — 69 credits*

Similar to Honours, but the Research Project and Thesis is replaced by an additional advanced laboratory course.

BSc Major in Biochemistry — 45 credits

The program consists of courses in Molecular and General Genetics, Cell Biology, Cell Physiology, Molecular Biology, Genetics and Cell Biology labs, Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Biochemistry, and Biophysical Chemistry.

*** The *Ordre des chimistes du Québec* has fully accredited the curricula of these programs. Upon satisfactory completion of this program, a graduate is eligible for membership in the Order. A working knowledge of French is also required for membership in the *Ordre des chimistes du Québec*.**

Chemistry and Biochemistry Co-op Program

Students in the Honours or Specialization programs may gain experience in pharmaceutical, industrial, medical or research environments by following the Co-operative Education format.

Sample courses include:

Modern Spectroscopy
 Nanochemistry
 Aquatic Biogeochemistry
 Biophysical Chemistry
 Industrial Catalysis
 Environmental Biochemistry
 Computational Chemistry for Chemists and Biochemists

Career opportunities

Professional position in a hospital, environmental or government laboratory, or in the pharmaceutical, biotechnology or chemical industries.

CLASSICS, MODERN LANGUAGES AND LINGUISTICS

cml.concordia.ca

Are you intrigued by the ancient world? Captivated by different languages? The Department of Classics, Modern Languages and Linguistics offers a unique opportunity to study one or more of seven disciplines. Whether your goal is to acquire a solid background in the cultures of ancient Greece and Rome, to learn about and/or strengthen skills in critical thinking, language proficiency, intercultural understanding and literary studies or to garner in-depth understanding of linguistics as the scientific study of the human language, the Department has what you are looking for.

Classics

Classics encompasses the study of the history, literature, languages, mythology, and archaeology of ancient Greece and Rome. Classical studies presents the experience of classical civilizations as being part of a continuum of human experiences that includes 21st-century cultures and offers a challenging program through which students may explore Western cultural roots.

Classics programs provide a solid background in the cultures of ancient Greece and Rome through written documents, historical and literary sources, and archaeological evidence; and train students to read and interpret texts in ancient Greek and Latin.

BA Honours in Classics — 60 credits

Intended for students who wish to continue their studies at the graduate level. The Honours program may be completed with a focus on Classical Languages and Literature or Classical Civilization.

BA Major in Classics — 42 credits

Designed to give students ample knowledge of the cultures, civilizations, languages and literatures of ancient Greece and Rome. Courses cover areas such as History, Literature, Languages, Archaeology and Mythology. The Major can be focused on Classical Languages and Literature or Classical Civilization.

Minor in Classical Languages and Literature — 24 credits

Designed to introduce students to Greek and Roman literature.

Minor in Classical Archaeology — 24 credits

Designed to introduce students to Greece and Rome through a sampling of art and archaeology.

Minor in Classical Civilization — 24 credits

Designed to introduce students to Ancient Greek and Roman civilization.

Sample courses include:

Greek Literature
Roman Literature
History of the Roman Republic
Mythology of the Ancient Mediterranean
Introduction to Classical Archaeology
Archaeology of the Greek Bronze Age
Roman Art and Archaeology

Career opportunities

Libraries, museums, archives, research, archaeology, conservation and preservation.

Modern Languages

Many students come to the Department with varying degrees of former studies in the language in which they intend to specialize. Our programs are structured according to the capacities and needs of the individual. Language and translation courses provide a sound linguistic foundation.

All students with a background in the language must contact the Department to arrange to take the appropriate language placement test. The Department reserves the right to transfer a student to a higher-level language course if it is deemed that the course for which the student has registered is not appropriate for the extent of his or her knowledge of the language.

Arabic (Modern Standard)

Students with advanced Modern Standard Arabic skills are not eligible for admission to the Minor or Certificate programs.

Minor in Modern Arabic Language and Culture — 30 credits

Offers students majoring in another discipline a broad knowledge of Modern Standard Arabic language and culture.

Certificate in Modern Arabic Language and Culture — 30 credits

Designed for members of the community who are not already enrolled at Concordia University.

Chinese (Mandarin)

Students with advanced Modern Chinese language (Mandarin) skills are not eligible for admission to the Minor or the Certificate.

Minor in Modern Chinese Language (Mandarin) and Culture — 30 credits

The Minor gives students majoring in another discipline a broad knowledge of Chinese language and culture.

Certificate in Modern Chinese Language (Mandarin) and Culture — 30 credits

Designed for members of the community who are not already enrolled at Concordia University.

Sample courses include:

Introduction to the Literature of the Arab World
Culture and Civilization of the Arab World
Introduction to Modern Standard Arabic
Introduction to Modern Chinese (Mandarin)
Introduction to Business Chinese (Mandarin)
Introduction to Chinese Cultural Traditions

Career opportunities

Education, business, government, the travel industry and international organizations.

German, Italian and Spanish

Our programs in German, Italian and Spanish open doors to new ways of understanding the world through these languages, cultures and literatures. Language courses are intended to develop the four basic language skills: speaking, listening, reading and writing. All courses above the introductory level are offered exclusively in the target language. Honours students must complete an Honours Essay and maintain specific performance requirements.

German**BA Honours in German — 60 credits****BA Major in German — 42 credits**

Admission is suspended for 2012-13.

Minor in German — 33 credits

Designed for students already enrolled in a program at Concordia University.

Italian**BA Honours in Italian — 60 credits**

Designed for students who intend to continue their studies at the graduate level.

BA Major in Italian — 42 credits

Gives students ample knowledge of the language, spoken and written, and a coherent overview of Italian culture, tradition, history and literature. Flexibility within the program allows students to study language, translation, culture and/or literature.

Minor in Italian — 30 credits

Designed for students already enrolled in a program at Concordia University.

Spanish

BA Honours in Spanish — 60 credits (Literature and Society)

Designed for students who intend to pursue graduate studies. This program is an extended version of the Major.

BA Specialization in Spanish — 60 credits (Expression and Culture)

An extended version of the Major, students have the opportunity to focus their program on Spanish language and culture.

BA Major in Spanish — 42 credits

Designed to give students ample knowledge of the language, spoken and written, within a coherent and critical approach to the study of Hispanic cultures, traditions, histories and literatures.

Option A – Literature and Society

Explore the ways in which the literary discourses of Spain and Spanish America reflect and shape society in a historical context. This option can lead to the Honours.

Option B – Expression and Culture

Learn and practice techniques and structures of different modes of expression in Hispanic cultures. This option can lead to the Specialization.

Minor in Spanish — 30 credits

Designed for students already enrolled in a program at Concordia University.

Minor in Spanish Translation — 33 credits

Designed for students already enrolled in a program at Concordia University. Combines courses in language, literature and translation.

Sample courses include:

Introductory/Intermediate/Advanced German/Italian/Spanish
 Italian for Heritage Speakers
 Dante: Divina Commedia
 Introduction to Modern German Literature I & II
 Dramatic Representations in German Cultures
 History of Spanish Culture
 The Short Narrative in Spain and Spanish America
 Translation

Linguistics

Linguistics programs offer a sound linguistics basis and a rigorous academic and scientific investigation of the phenomena of language in general, and of certain languages in particular.

BA Honours in Linguistics — 60 credits

Designed to provide students with a thorough foundation for graduate studies. Areas of emphasis include standard subfields of the discipline: phonetics, phonology, morphology, syntax, semantics, and typology. The interaction of theoretical courses, data-oriented courses and courses in historical and comparative linguistics (both Indo-European and non-Indo-European) forms a diverse and substantial foundation for the exceptional student who hopes to do graduate work in Comparative Indo-European, theoretical linguistics, or any other area related to linguistics.

BA Major in Linguistics — 42 credits

A diverse program that includes topics of a broad philosophical, sociological and historical nature leading to the minutely detailed analysis of specific data. The program strengthens and refines students' intellectual skills through in-depth training in the writing of grammars and formulation of rules by introducing the rich tradition of linguistic scholarship, as well as the critical examination and discussion of acknowledged masters of linguistic thought.

Minor in Linguistics — 24 credits

Designed for students already enrolled in a program at Concordia University.

Sample courses include:

Introduction to Linguistic Science
 Language and Mind; The Chomskyan Program
 Semantics
 Morphology
 Syntactic Theory
 Psycholinguistics
 Comparative Indo-European Linguistics

Career opportunities

TESL, telecommunications, government, research, speech therapy, and speech pathology.

COMMUNICATION STUDIES

coms.concordia.ca

Does the role of mass media in society intrigue you? Are you interested in the way that issues in society and culture are talked about in public? Communication Studies explores a wide range of interests in media analysis, critique and creation of media and popular culture. Central to this program is the integration of knowledge from the humanities and liberal arts, the social sciences, and media practice.

BA Specialization in Communication Studies — 60 credits*

Designed for students who want to specialize in the field. It provides training in a variety of media and an in-depth understanding of communicative processes.

BA Major in Communication Studies — 42 credits*

Designed for students who want to combine Communication Studies with a Major or Minor in another area.

BA Major in Communication and Cultural Studies — 42 credits

A research degree which aims to give students a broad conceptual and methodological preparation.

* See Admission Procedure

Sample courses include:

Communication Theory
 Communication Media: Intermedia
 Communication Analysis of Environment
 Media Policy in Canada
 Youth and Media
 Race, Ethnicity and Media
 Perspectives on the Information Society

Career opportunities

Media and cultural opportunities such as writer, director and producer for film, television and radio; publisher and professional writer, media and communications policy, advertising and public relations, NGO careers with humanitarian and environmental organizations, web design, interactive game development, and media education.

Admission Procedure**Step 1 (By March 1):**

- Submit the online application.
- Complete the separate Communication Studies application, which is available at artsandscience1.concordia.ca/comm and includes a summary sheet and two assessment forms.
- Submit the following documents directly to the Department of Communication Studies:
 - Transcripts*
 - Letter of Intent*
 - Summary Sheet
 - Two Academic Assessment forms
 - A Short Essay

Step 2

Dossiers will be evaluated and qualified candidates will be invited for an interview, normally in April. At the interview candidates will be required to:

- a) discuss any item regarding their file;
- b) read and discuss a brief quotation with the committee*;
- c) answer questions about their portfolio*.

* For more information, refer to the Department website or contact:

Concordia University
Department of Communication Studies
7141 Sherbrooke St. West (CJ 3.230)
Montreal, Quebec H4B 1R6
T: 514-848-2424 ext. 2555

ECONOMICS

economics.concordia.ca

Economists provide essential knowledge for business leaders and policy-makers who must make decisions in the presence of challenges such as economic fluctuations, interest rate and currency volatilities, government budget deficits and economic growth sustainability.

BA Honours in Economics — 60 credits

Intended for students planning to pursue graduate studies. Emphasis is placed on econometrics and advanced economic theory. A high level of performance is required to enter and remain in the program.

BA Specialization in Economics — 60 credits

Intended for students interested in following an applied and policy-oriented curriculum, rather than the more theoretical Honours program. The Specialization program has an alternative advanced applied econometrics course. Flexibility is built into the program to accommodate those who wish to later switch into the Honours program.

BA Major in Economics — 42 credits*

Designed to train students to use economic theory to tackle real world challenges. Built around a series of core economic theory and econometric courses, the program includes a wide range of elective courses that examine issues such as international policies, competition regulations, environmental challenges and financial analyses.

Minor in Economics — 30 credits*

Offers students from diverse backgrounds an opportunity to examine the workings of economics in everyday decision-making.

Minor in Analytical Economics — 24 credits

Designed for students with a strong scientific background and enrolled in Science, Mathematics/Statistics or Engineering programs, this Minor examines the important role economics plays in society. Some technical prerequisites that are usually required for advanced studies in Economics are waived.

*May also be taken within the Bachelor of/Baccalaureate in Commerce degree.

Economics Co-op Program

Aimed at academically strong students who are committed to getting practical experience in their field, work-term placements range from provincial and federal departments to companies in insurance, banking and telecommunications. Students may assist with quantitative and qualitative analyses, policy research, econometric analyses and interpretation of survey data. Entry requires an interview and a high level of academic performance. A minimum grade point average must be maintained.

Sample courses include:

Introduction to Microeconomics/Macroeconomics
Economics of the Firm
Econometrics I & II
Game Theory, Information, and Economic Modelling
Public Sector Economics
Natural Resource Economics
Economics of Human Resources

Career opportunities

Financial analysis, banking, the public sector and administration.

EDUCATION

doe.concordia.ca

Do you want to share your thoughts and knowledge with others? Education is a broad and multidisciplinary field that serves teachers and schools, as well as educational administrators and daycare and human resources professionals, among others. The Department is known as a leader in its field, both for its research into teaching methods and its ability to train and prepare future teachers for their role as educators.

Minor in Education — 24 credits

A basic introduction to the methodology and key concepts of education, this Minor can complement other fields of study.

Adult Education

Minor in Adult Education — 24 credits

Consists of courses in the foundation of adult education including the functions, skills and competencies of adult educators.

Certificate in Adult Education — 30 credits

Designed for people who are actively involved in some area of adult education or who have the equivalent of one year's experience in the field, either as leaders, trainers, volunteer workers or administrators in educational institutions, business, industry, government or community organizations.

Early Childhood and Elementary Education and Child Studies

BA Specialization in Early Childhood and Elementary Education — 120 credits

Designed to prepare teachers for preschool and elementary school. Comprehensive internships are required at the preschool, kindergarten and elementary grade levels. Successful completion of the program leads to certification by the *Ministère de l'Éducation, du Loisir et du Sport (MELS)*.

Group A

84 required credits in psychological, sociological and philosophical aspects in education; growth and development of the child; family, parenting, and education in Quebec; developmental issues of children such as behaviour and learning problems, and the gifted; teaching of reading, language arts, mathematics, and science concepts to preschool and elementary children; historical and current issues in preschool and elementary education; practice teaching and internship in preschool, kindergarten and elementary school; ethics and religious culture.

Group B

12 elective credits in the teaching of values, human sciences or a second language.

Group C

24 elective credits outside the Department of Education. Students who do not have collegial-level Social Sciences will be required to select six credits in this area. Students who do not have collegial-level Natural Sciences will be required to select three credits in this area.

Admission Procedure

Applicants must complete an online application and also obtain an application form from the Department of Education website doe.concordia.ca and return it completed to the Department by March 1.

Concordia University
Department of Education
1455 De Maisonneuve Blvd. West (LB 579)
Montreal, Quebec H3G 1M8
T: 514-848-2424 ext. 2031 or 2004

BA Major in Child Studies — 45 credits

Designed for students seeking a sound academic background for work with children, but not necessarily a professional qualification. It has a large elective component so that students have an opportunity to broaden their studies in other areas — for example, art, music, drama, exercise science, family life, second languages, or communications.

Areas of Concentration:

- A. Administration in Childhood Settings
- B. Exceptional Children in Childhood Settings
- C. Children and Technology

Sample courses include:

Child Development I & II
Administration in Childhood Settings
Children, Families, and Social Policy
The Inclusive Classroom: Educating Exceptional Children
Education in Quebec
Diversity in the Classroom

Career opportunities

Educator, teacher, researcher, administrator, daycare owner, government advisor, and media project manager.

Teaching of English as a Second Language (TESL)

The demand for teaching English as a second language is constantly growing in Quebec, in Canada and around the world. The *Ministère de l'Éducation, du Loisir et du Sport* (MELS) has placed ESL in one of the most needed categories of instruction in the provincial school system. Learning English as a second language is obligatory beginning in Grade one in all francophone schools in Quebec, and many French-speaking adults are making an effort to learn English in private language schools. The Department of Education's TESL Centre has trained thousands of teachers since it opened its doors in 1973. Professors have a wealth of field experience and are masters at both the theory and practice of ESL teaching. Students enrolled in the BEd program spend a great deal of time observing and practising teaching in Quebec schools. Graduates are prepared to take on challenging positions as teachers, researchers and administrators.

BEd Specialization in Teaching English as a Second Language — 120 credits

This program is approved for certification by the MELS and is open to both prospective and practising teachers. It prepares graduates for teaching at primary, secondary and adult levels. Courses are offered throughout the year, including the summer session. Successful completion of the program leads to certification by the MELS. It is necessary to demonstrate a working knowledge of French prior to admission into the program.

Certificate in the Teaching of English as a Second Language — 30 credits

For experienced teachers or students who wish to teach adults in Canada or overseas. The program is designed for those who are native speakers of English or whose English meets native-user standards. It includes language study, language acquisition, methodology and a practicum with adult ESL learners. The Certificate in the Teaching of English as a Second Language does not satisfy the requirements for a *Québec brevet d'enseignement: autorisation personnelle permanente* (a teaching diploma). Applicants to the Certificate must have completed, as a minimum, a first bachelor's degree.

Admission Procedure

As well as completing an online application, applicants for the TESL programs must obtain a departmental application form from the Department of Education website: doe.concordia.ca and return it completed to the Department by March 1.

Concordia University
Department of Education
1455 De Maisonneuve Blvd. West (LB 579)
Montreal, Quebec H3G 1M8
T: 514-848-2424 ext. 2031 or 2004

Sample courses include:

Phonology for Teachers
 Methodology I & II
 TESL Pedagogy: General
 Language Acquisition
 Testing, Evaluation and Course Design
 Teaching Language Arts: Secondary
 Grammar for Teachers

ENGLISH

english.concordia.ca

Do you enjoy reading? Do you want to enrich your critical understanding of how language works and enhance your ability to express yourself? Students in English come to understand and appreciate the society and the individual that produce a literary work, as well as the work itself. The investigation of politics, culture, art, history and philosophy is part of this understanding — as are learning to write well, think clearly, and make oral and written arguments. Students develop skills in communication, research and analysis in a department that combines scholarship with a serious commitment to undergraduate teaching.

English Literature

BA Honours in English Literature — 60 credits

An excellent and thorough background in literature, primarily for those planning to follow graduate studies. Students not admitted directly to Honours may apply after completing their first 30 credits at Concordia; the Honours program does not require an extra year of study. A high level of performance is required to enter and remain in the program.

BA Specialization in English Literature — 60 credits

Suitable for those wanting a strong background in literature as preparation for teaching and other careers. This program is similar to the Honours, without the minimum GPA requirement.

BA Major in English Literature — 42 credits

Offers great scope in studying literary texts ranging from medieval to contemporary literature, including works written in Britain and the English-speaking world. It provides the benefits of a general education with a clear disciplinary and methodological focus in the reading and understanding of literature.

Minor in English Literature — 24 credits

An excellent complement to other programs of study in the humanities, social sciences, and sciences, as it provides cultural and artistic perspectives not always available in other disciplines, and trains students to write clearly and express themselves effectively.

Sample courses include:

Introduction to Literary Study
 British Literature from 1660 to 1900
 Reading Women Writing
 Postcolonial Literature
 The American Novel
 Contemporary Critical Theory
 Poetry/Prose/Fiction

Creative Writing

BA Honours in English and Creative Writing — 66 credits *

The study of literature enhances your ability to write your own prose, poetry or drama, and the creative eye you bring to your own work enhances your critical understanding of the literary achievements of others. This program combines the advantages of the training in literary study offered in the Major in English literature with the workshop experiences of the Major in Creative Writing. Students in this program are well prepared for graduate study either in literature or creative writing. A high level of performance is required to enter and remain in the program.

BA Major in Creative Writing — 42 credits *

The Creative Writing program offers introductory and advanced workshops in poetry, prose and drama, as well as advanced courses in scriptwriting, editing, publishing, and literature.

Minor in Creative Writing — 30 credits *

Provides students who have a secondary interest in Creative Writing with the opportunity to combine creative writing courses and some literature courses with studies outside the program.

* Portfolio for Creative Writing

Applicants must submit a portfolio of a maximum of 15 pages of their best writing in poetry, drama and/or fiction (short stories or novel excerpts). The portfolio must be accompanied by a brief letter of intent (1 – 2 pages) addressed to the Coordinator of Creative Writing and written with attention to spelling and grammar. The letter should outline the applicant's goals for study in creative writing, and a response to one or more literary works that have shaped him/her.

The portfolio and letter of intent must be submitted to the English Department. See the website for application details.

Concordia University

Department of English

1455 De Maisonneuve Blvd. West (LB 641)

Montreal, Quebec H3G 1M8

T: 514-848-2424 ext. 2343

english.concordia.ca/undergraduate/programs/bamajorcreativewriting

Sample courses include:

Creative Writing: Poetry/Prose Fiction/Drama

Advanced Creative Writing: Poetry/Prose Fiction/Drama

Creative Non-fiction Writing

Script Writing for Radio, Screen, and Television

Publishing and Editing

Writing of Children's Literature

Advanced Studies in Creative Writing

Career opportunities

Law, journalism, information sciences, education, advertising, marketing, editing and publishing.

English and History

BA Joint Specialization in English and History — 60 credits

Requiring 30 credits in each subject, the Joint Specialization encourages students to pursue the links between the study of English Literature and History as a valuable and fascinating pursuit in its own right and as preparation for a career in teaching or in other professions in which reading, research, and argumentation skills are necessary.

Professional Writing

Minor in Professional Writing — 24 credits

Professional writing is in high demand in today's work environment. Professional writers communicate information to a variety of audiences in many forms, including reports, media releases, brochures, and newsletters. The Minor in Professional Writing provides students in any Major with training in business, technical, and other areas of written communication.

ÉTUDES FRANÇAISES

francais.concordia.ca

The wide variety of language courses offered by the Department of *Études françaises* targets students of all levels, from absolute beginners to native francophones. The Department offers courses in linguistics, French as a second or first language, literature and translation. Students may select language or literature courses appropriate for their level, and progress at their own rate. Specialized training in French is a valuable linguistic asset and the key to entering a fascinating world of contemporary professional careers.

Études françaises

BA Specialization in *Études françaises* — 60 credits

The program has two entry levels (A and B). The main difference between them is that Level B requires a higher level of knowledge of the French language (reading, writing, speaking, listening).

BA Major in *Études françaises* — 45 to 48 credits

Students may choose from two distinct options:

Option : *Langue ou Littératures de langue française* (45 credits)

Option : *Traduction* (48 credits)

Minor in *Langue française* — 24 credits

Allows students at the intermediate level to develop and refine their reading, writing, listening and speaking skills in French.

Minor in Littératures de langue française — 24 credits

The domain of French-language literature is vast, covering a wide range of countries and spanning many centuries. The Minor in literature allows students to expand their horizons and gain valuable cultural knowledge.

Certificate in Langue française — 30 credits

Courses are chosen in consultation with the Department and based on entry-level proficiency and specific student interests. Some credits taken as part of the certificate program may fulfill degree program requirements.

Traduction

In addition to mastery of one's native language and a thorough command of a second language, translation requires in-depth knowledge of specialized fields and subject areas (such as economics, administration, finance, and the arts), excellent writing skills, the ability to work in diverse situations, and a quick, inquisitive mind. Computer and communication technologies worldwide are dramatically increasing the need for cultural expertise, and for proficient and highly skilled translators in conventional and developing domains.

BA Specialization in Traduction — 66 credits

The Specialization program is officially recognized by the Canadian Association of Schools of Translation and is accredited by *l'Ordre des traducteurs, terminologues et interprètes agréés du Québec (OTTIAQ)*. The BA Specialization in *Traduction* requires an excellent knowledge of French and English. Students admitted into the program may be required to take placement tests in both languages. The Specialization program has two options:

Option A: French to English

Students whose native language is English should translate into English. In addition to required translation courses, students will take courses in English language and literature in order to sharpen their skills and acquire a high level of proficiency in reading and writing.

Option F: English to French

Students whose native language is French should translate into French. In addition to required translation courses, students will take courses in French language and literature in order to sharpen their skills and acquire a high level of proficiency in reading and writing.

Traduction Co-op Program

The Co-operative Education program in *Traduction* reflects the changing needs and demands within the profession, and allows excellent students to gain valuable practical experience that will serve them well after graduation. An entrance test and an interview are required in order to be admitted into the program.

Sample courses include:**Langue**

French Language: Elementary
Langue française: niveau intermédiaire I/II
Initiation au français écrit/oral
Communication écrite/orale
Le français des affaires I et II
Le vocabulaire français
Grammaire fonctionnelle du français

Langue et linguistique françaises

Histoire de la langue française au Québec
Rédaction I et II
Écriture pour le Web
Création littéraire I/II
Questions actuelles en linguistique française
Grammaire de texte
Stylistique avancée

Littérature

Cultures populaires
Introduction aux littératures de la francophonie
Le XVII^e siècle : l'univers théâtral
Littératures africaine et antillaise
Le Moyen Âge
Le roman québécois contemporain
Littérature et culture françaises du XVIII^e siècle à aujourd'hui

Traduction

Méthodologie de la traduction
Initiation à la recherche documentaire et terminologique
Adaptation publicitaire
Pratique de la localisation
Gestion de projets
Traduction générale du français à l'anglais
Initiation à la traduction économique du l'anglais au français

Career opportunities

Public relations, professional writing, journalism, translation, the cultural industry, education, revision, terminology, literature, law and administration.

EXERCISE SCIENCE
excsci.concordia.ca

Do you think that optimal health and fitness are essential for everyone? Do you want to play an active role in helping individuals make healthy choices towards a better quality of life? The Department of Exercise Science is committed to teaching and research in the areas of exercise, health, and physical activity with an emphasis on the specialty areas of athletic therapy and clinical exercise physiology. The curriculum permits students to explore the scientific processes that occur when healthy individuals and those with a variety of impairments, disabilities, and disease states engage in activities that promote the healthiest possible lifestyle. Through lectures, laboratory instruction and internship experiences, students acquire the knowledge and skills to assess, evaluate and design the most appropriate exercise programs to rehabilitate, improve or maintain the health and functional performance of people ranging from those with chronic disease conditions to elite athletes.

BSc Honours in Exercise Science — 72 credits

Builds upon the Major by adding a research component. Students develop essential knowledge and skills to conduct innovative and cutting-edge research in collaboration with a faculty member. Students study the theoretical and ethical basis of research and are provided with a number of practical courses to develop hands-on research techniques. This program prepares students for graduate studies.

BSc Specialization in Exercise Science/Athletic Therapy — 72 credits

Provides essential course work and internship experiences necessary to prepare students to become Certified Athletic Therapists. This program is one of six Athletic Therapy programs accredited by the Canadian Athletic Therapists Association (CATA) in Canada and it is the only accredited program in Quebec and Eastern Canada. Students are trained as health-care professionals specializing in prevention, emergency care and the rehabilitation of orthopedic injuries that are generally sustained during sporting events or as a result of daily physical activities.

Quebec chapter: www.ctsq.qc.ca

CATA: www.athletictherapy.org

BSc Specialization in Exercise Science/Clinical Exercise Physiology (CEP) — 66 credits

Provides the course work needed to pursue a career as a clinical exercise physiologist — a health professional who, in consultation with medical specialists, contributes to the assessment, evaluation and design of specialized exercise programs for people who require special attention and suffer from chronic conditions like cardiac and pulmonary diseases, cancer, diabetes, and osteoporosis. Students study and research diseases and chronic conditions, and develop specialized programs of physical activity to improve the health and quality of life of a growing segment of our society.

This program also prepares students for graduate studies in the clinical, applied, and fundamental areas of physiology.

BSc Major in Exercise Science — 42 credits

Designed to prepare students for careers in the areas of health and fitness and the pursuit of graduate studies. The program offers a foundation in applied science courses and Human Anatomy, Human Physiology, Physiology of Exercise and Biomechanics with a strong focus on the assessment of health and fitness, and the design of appropriate exercise programming to promote and maintain health and physical well-being.

Sample courses include:

Emergency Care in Sport and Exercise
Principles of Athletic Therapy
Therapeutic Modalities in Sports Medicine
Assessment/Rehabilitation of the Hip, Spine and Pelvis
Human Anatomy/Physiology
Stress, Health and Disease
Nutrition in Exercise and Sport

Career opportunities

Athletic therapist, clinical exercise physiologist, personal trainer, and laboratory work.

GEOGRAPHY, PLANNING AND ENVIRONMENT

gpe.concordia.ca

Are you curious about our impact on the environment? Are you concerned about our fragile planet, climate change or the impact of growing populations, industries and cities on sustainability? Do you like both natural and social sciences? Do you like to gather and analyse data, look at maps, think about solutions and learn the most cutting-edge computer graphic analytical techniques? Do you want to make a difference to the quality of our natural and built environment? If so, then Geography, Planning and Environment may be for you. The curriculum reflects balance among the theoretical, technical and applied aspects of its three components — Geography, Urban Studies and Environmental Science — and promotes environmental awareness and spatial literacy. It is our aim to produce articulate and informed graduates who are committed to improving the quality and sustainability of the natural and built environments.

Geography

Geography explores the complexity of, and the relations between, cultural and natural systems. It examines the ongoing radical transformation of the earth and space by human action, and focuses on the meaning that people attach to community, space, place and landscape. In addition to learning a variety of technical skills (cartography, statistical methods, and computer-based geographic information systems), students acquire a better understanding of the world (from the local community, to regional and global scales), the place of humans in it, and how to promote effective and efficient policies for managing our environment. All programs have a common core at the introductory and intermediate levels.

BA Honours in the Human Environment — 60 credits

Designed for students planning to go on to graduate school or a career in research in the public or private sector. Building on a strong basic core, students develop high-order skills in small advanced-level seminar and laboratory courses and work one-on-one with a faculty member to develop a research project, collect and analyse data, write up the results and present them to their peers and faculty. A high level of performance is required to enter and remain in this program.

BA Specialization in the Human Environment — 60 credits

Designed for students who want to specialize in applying their basic geographical and environmental knowledge in small advanced seminar and laboratory classes, while developing research, analytical and synthetic skills in an interactive and hands-on manner. These advanced courses are applied or highly specialized and integrate biophysical and social sciences. Students with strong grades have the option of doing an internship.

BA Major in the Human Environment — 42 credits

Provides a basic, thorough background to those who are interested in the environment, but do not necessarily wish to follow a career in research. Students acquire useful and highly transferable analytical, synthetic, research and writing skills, as well as technical skills in geographic information systems (GIS), spatial analysis and statistics.

Minor in the Human Environment — 30 credits

A useful complement for students interested in the environment with a Major or Specialization in a related discipline such as Political Science, Economics, Sociology/Anthropology, Education, or as a second teachable subject for those interested in teaching.

Environmental Geography

For students with a science background from Cegep or high school, the program allows greater concentration on the biogeophysical environment, while maintaining a strong grounding in human interventions, policy and management.

BSc Major in Environmental Geography — 45 credits

Designed for students with a strong interest in the environment and geography who do not intend to pursue a research career or go on to graduate school.

Minor in Environmental Geography — 24 credits

Designed primarily for students interested in a broad understanding of the environment who are following complementary Science degrees in Biology, Ecology or in Environmental Engineering.

Environmental Science

Designed for students with a strong science background, these rigorous and multidisciplinary programs provide students with excellent training for careers in the environment by providing a multidisciplinary approach to questions related to life on the Earth, degradation caused by pollution and disturbance, the sustainability of resource use, and the endangerment of species and natural systems. They are structured to provide basic skills and allow maximum flexibility for specific student interest. They have three loose streams: ecology, hydrosphere, and earth or geoscience.

BSc Honours in Environmental Science — 69 credits

Designed for students who plan to go on to graduate school or a career in research. Students develop skills in small advanced-level seminar and laboratory courses, and work one-on-one with a faculty member to develop a research project, collect and analyse the data, write up the results, and present them to their peers and faculty. Students are involved through their thesis, courses, and summer employment in the Department's research labs in forest management, river management, environmental climate change, air emissions, and landscape fragmentation.

BSc Specialization in Environmental Science — 69 credits

Students specialize in applying basic geographical and environmental knowledge in small advanced seminar and laboratory classes that develop observation, analysis and interpretation skills in an interactive and hands-on manner. Students have the opportunity through their courses or summer employment to work in the Department's research labs in forest management, river management, environmental climate change, air emissions, and landscape fragmentation.

Urban Studies and Urban Planning

This multidisciplinary program is designed to introduce students to the processes of planned change in urban environments. Urban Studies provides a core of urban-planning courses involving field studies, planning projects, and the acquisition of technical skills. Complementary courses in Sociology, Political Science, Economics and Geography provide the necessary approaches and understanding from which to consider complex urban development.

BA Honours in Urban Planning — 66 credits

Designed for students who intend to work in some area of the planning field or continue with graduate-level studies. In addition to the planning studios (see Specialization), students work on a one-on-one basis with a faculty member to develop a research project, collect and analyse the data, write up the results and present them orally to their peers and faculty. A high level of performance is required to enter and remain in this program.

BA Specialization in Urban Planning — 63 credits

Students benefit from hands-on experience in year-long planning studios at the intermediate and advanced level, in which they work on planning projects to improve the local built environment, while actively liaising with community groups and planners.

BA Major in Urban Studies — 42 credits

Designed for students interested in policy analysis and public administration, which require a broad background in Urban Studies. Students acquire analytical skills using computer mapping and geographical information systems (GIS) and learn to assess urban landscapes, architectural heritage and transportation risks. All courses involve the development of analytical skills useful in a great number of work areas.

Minor in Urban Studies — 30 credits

Designed for students interested in cities, urban issues or urban/regional planning who are specializing in related disciplines such as Economics, Political Science, the School of Community and Public Affairs, or Sociology.

Sample courses include:

Geography and Environment

The Human Environment: Place, Space, and Identity
 The Natural Environment: Air and Water/Land and Life
 Population Geography
 Water Resource Management
 Environmental Management
 Geography and Public Policy
 Introduction to Environmental Geology

Urban Studies/Planning

Representation Methods in Urban Studies
 Neighbourhood and Community Planning
 Law and Regulation in Urban Planning
 Urban Transportation
 Urban Ecology
 Industrial Restructuring
 Urban Planning in the Developing World

Career opportunities

Researcher with Environment Canada, the UN Commission for Biodiversity, forest manager, parks manager, hazardous waste planner, GIS and remote sensing analyst, environmental science, earth science, hydrology and ecology planning, real estate, social service forest management, river management, environmental climate change, air emissions, landscape fragmentation, parks ranger, forest manager, geographic branch of Statistics Canada, provincial departments of agriculture or forestry, environmental manager, international business expert, transport planner, or location or market specialists.

HISTORY

history.concordia.ca

Historians are detectives trying to understand what happened in the past. Studying history provides training in problem solving, research and writing. Such skills are valued both by graduate schools and employers. With state-of-the-art multimedia facilities and a new generation of faculty, the Department of History is training inquisitive minds for the 21st century.

History

BA Honours in History — 60 credits

An excellent preparation for graduate studies in History and advanced degree programs such as law. There are three options in the Honours program:

A. Honours Essay Option

In addition to introductory, intermediate, and advanced seminar courses, students undertake a major independent research project under a professor's supervision. The Essay, about 40 pages in length, is an in-depth study of a historical topic, typically based on primary historical evidence.

B. Seminar Option

Students take a total of eight research seminars throughout the program. This option allows students to gain experience in a wider range of historical research fields than the Essay Option.

C. Public History with Internship Option

Students focus on Public History and, through state-of-the-art digital facilities, develop expertise as oral historians and digital storytellers. Students have the opportunity to serve as interns, practising in the real world what they have learned in the classroom.

BA Specialization in History — 60 credits

Offers a wide range of History courses so students gain knowledge of the past as well as analytical and communication skills. The Specialization does not have a GPA requirement and allows students to take classes across many geographical, temporal, and thematic specializations.

BA Major in History — 42 credits

Gives students broad knowledge of the past and a range of analytical and communication skills. Students take courses that, collectively, span the globe and range through thousands of years. After the introductory courses, students may choose to focus on a particular area or pursue many different interests.

Minor in History — 24 credits

Allows students from other programs to add a significant concentration on historical studies to their Major, Specialization, or Honours. History is an excellent complement to any social science or humanities subject.

Minor in Law and Society — 24 credits

Allows students to gain an informed understanding of law's roles in society, past and present, in Canada and internationally. This interdisciplinary minor complements any program in the humanities or social sciences.

English and History

BA Joint Specialization in English and History — 60 credits

The Joint Specialization encourages students to pursue the links between the study of English Literature and History as a valuable and fascinating pursuit in its own right, and as preparation for careers in teaching or other professions which require reading, research, and argumentation skills.

Sample courses include:

Introduction to European History to 1789/From 1789 to the Present
 History of Japan
 History of the Middle East
 Medieval England
 Africa in the Twentieth Century
 Law and Society in Canadian History
 The United States Since 1945
 Advanced Study in Latin American and Caribbean History
 Public History Workshop

Career opportunities

Law, government service, teaching and curating museum exhibits.

INTERDISCIPLINARY STUDIES

Certificate in Arts and Science

Certificate in Arts and Science — 30 credits

The Certificate in Arts and Science is a *non-degree program* that caters to students who qualify for undergraduate degree programs, but whose preference is to follow a shorter program of study. It may also be of interest to those who already have an undergraduate degree, but wish to update their knowledge or learn new skills.

Interdisciplinary Studies in Sexuality

Interdisciplinary Studies in Sexuality enables students to understand the role of human sexuality in society and human behaviour.

Minor in Interdisciplinary Studies in Sexuality — 27 credits

Offered jointly by the Faculty of Fine Arts and the Faculty of Arts and Science, this Minor must be combined with a Major, Specialization or Honours program.

Sample courses include:

HIV/AIDS: Cultural, Social and Scientific Aspects of the Pandemic
 Introduction to Sexuality Research
 Queer Theory

JOURNALISM

journalism.concordia.ca

Are you curious about current affairs? Are you intrigued by the news? The Department of Journalism combines theory and practice in helping students to become knowledgeable and versatile journalists in print, radio, television and online media. Production workshops emphasize real-life assignments and newsroom standards are universally applied. Lectures and seminars analyse the social and political contexts in which journalism is practised.

BA Specialization in Journalism/Textual — 60 credits

This program provides a solid foundation in all journalistic formats, but places a heavier emphasis on producing text for publication in newspapers, magazines or online.

BA Specialization in Journalism/Audiovisual — 60 credits

This program provides a solid foundation in all journalistic formats, but places a heavier emphasis on producing audiovisual content for broadcast media, including radio, television and online sites.

BA Specialization in Journalism/Multi-Platform — 72 credits

This is a comprehensive program in multi-platform journalism, covering the range of media platforms, giving students both media-specific skills as well as the ability to tell stories in a multi-media news environment.

BA Major in Journalism — 45 credits

Available to students with either a declared major or minor in another subject, this program provides students with an introduction to all aspects of journalism, then asks students to choose either a textual or audiovisual option in years two and three.

Sample courses include:

Introduction to Journalism: Text/Audiovisual
Principles of Journalistic Thought and Practice
Digital Tools for Journalists
Research Methods for Journalism
Multi-Platform Journalism
Photojournalism
Law and Ethics in Journalism

Career opportunities

Print, broadcast, web-based media, law, diplomacy, public relations, advertising and corporate communications.

Admission Procedure

Step 1 (by March 1):

Submit the University's online admission application.

Step 2 (by March 1):

Submit the following documents to the Department of Journalism in person or by mail:

- Summary Sheet
- Letter of Intent
- Transcript(s)

Concordia University
Department of Journalism
7141 Sherbrooke St. West (CJ 3.245)
Montreal, Quebec H4B 1R6
T: 514-848-2424 ext. 2465

Step 3 (Journalism Department English Skills Test Requirement):

The English test requirement must be met by all applicants, regardless of mother tongue or language of instruction.

- All **North American** applicants must arrange to write the Journalism Department's English test.
- All **International** applicants must submit the results from a TOEFL/IELTS exam by March 20.

MATHEMATICS AND STATISTICS

www.mathstat.concordia.ca

Do you enjoy creative problem solving, abstract thinking and using analytic skills? The Department of Mathematics and Statistics offers both Bachelor of Arts and Bachelor of Science degrees. Students acquire problem-solving skills and logical-thinking abilities that employers value highly.

Actuarial Mathematics

Actuarial Mathematics prepares students to be professionals who use mathematical models to analyse and solve financial problems under uncertainty. Actuaries are experts in the design, financing and operation of insurance plans, annuities, and pension or other employee benefit plans. An actuary requires a strong mathematical background, as well as knowledge of computers, accounting, finance and economics. Exposure to the social sciences and humanities is also important to provide a proper foundation for a broad approach to the many problems which the actuary regularly faces. The following Actuarial programs prepare students to write examinations to gain admission to the Canadian Institute of Actuaries and provide an excellent preparation for graduate studies in Actuarial Mathematics.

BA or BSc Honours in Actuarial Mathematics — 66 credits

Intended for students who want an introduction to actuarial research. An honours research project is required for graduation. Normally students apply for entry into the Honours program after starting in the Specialization, although direct entry into the program is possible with an interview. A high academic standing is required to enter and remain in the program.

BA or BSc Specialization in Actuarial Mathematics — 60 credits

Designed for students who wish to pursue an actuarial career but have a keen interest in Mathematics. Our programs prepare students for the first five Associateship exams of the Society of Actuaries and the Casualty Actuarial Society, while providing a thorough background in Mathematics, Probability and Statistics.

Actuarial Mathematics/Finance

In a collaborative effort, the Department of Mathematics and Statistics of the Faculty of Arts and Science and the Finance Department of the John Molson School of Business offer a BA and a BSc Specialization in Actuarial Mathematics/Finance. The program is intended to benefit students in high standing who would have been accepted into the Specialization in Actuarial Mathematics. It provides a niche for graduates since there is currently a shortage of specialists in the combined field.

BA or BSc Specialization in Actuarial Mathematics/Finance — 90 credits

This program combines a solid education in Actuarial Mathematics with an extensive introduction to Finance, equivalent to a Minor. It is designed for students who wish to pursue a career as an actuary, but at the same time want to specialize in the financial issues of actuarial practice. The program requirements combine all the compulsory courses of the BA/BSc program in Actuarial Mathematics (60 credits) with another 30 credits of required Accounting, Economics and Finance courses. Admission is limited to at most 15 students with excellent academic records.

Actuarial Mathematics and Actuarial Mathematics/Finance Co-op Program

Students become familiar with computer programs that are used by actuaries to analyse socioeconomic data, make defined benefit plan calculations and create actuarial tables. They develop expertise in writing professional reports and become familiar with document preparation methodology. Employers such as insurance companies and consulting firms often classify these positions as actuarial assistants or actuarial analysts. Students work in a structured business environment that promotes teamwork and accountability, and enhances communication skills.

Mathematical and Computational Finance

Offered in cooperation with the John Molson School of Business, this Specialization combines advanced mathematics with finance. Students create and implement mathematical models and computational techniques for pricing financial instruments, analysing and managing the associated risks, and devising innovative new products.

BA or BSc Specialization in Mathematical and Computational Finance — 90 credits

Students are equipped with solid mathematical knowledge, a firm grounding in finance and economic theory, and experience with practical applications of the field.

Mathematics and Statistics

BA or BSc Major in Mathematics and Statistics — 42 credits

Aimed at students who would like to have a good background in the mathematical sciences, but whose goals are to enter the job market upon graduation rather than to pursue graduate studies. The focus is on the applied nature of the mathematical sciences as tools for solving and thinking about a wide range of problems. Courses are less theoretical and more emphasis is on selected key topics accompanied by the use of appropriate software applications.

BA or BSc Joint Major in Mathematics and Statistics and Computer Applications — 78 credits

A comprehensive education in both mathematics and computer science. Computing is now part of mainstream mathematics and statistics and it is also an important and powerful tool to solve problems and represent complex situations through mathematical modelling. The joint Major program meets this academic objective, while providing students with additional qualifications for future employment. The program consists of all courses in the Major in Mathematics and Statistics plus all required courses for the Computer Applications Option.

Minor in Mathematics and Statistics — 24 credits

Suitable for students who want to have a structured introduction to the mathematical sciences without making a full commitment to a Major program.

Pure and Applied Mathematics

Pure Mathematics is primarily the study of mathematics for its own sake. This is not to say that Pure Mathematics has no applications, but the initial motivation for its study is inner beauty and rigour, as opposed to application or practical use. Applied Mathematics develops out of a need to solve problems in the real world. Often, the solution of a problem in Applied Mathematics requires a deep understanding of the underlying Pure Mathematics. Thus, the distinction between the two is often a fine line.

Research in Pure Mathematics often stems from a desire to understand the inner workings of intricate mathematical designs and relationships. But it can also be sparked by the need to create a new mathematical model to fit a practical problem and a desire to understand the deeper structure of such models. Applied mathematicians are instrumental in designing and analysing models of systems and in testing and evaluating performance. Whether in research and development or industrial production, the applied mathematician interacts with engineers, physicists, programmers and other specialists.

BA or BSc Honours in Pure and Applied Mathematics — 66 credits

An excellent choice for students interested in research and graduate studies since a research thesis is required for graduation. Normally, students apply for entry into the Honours program after starting in the Specialization, although direct entry into the program is possible with an interview. The program requires a high academic standing to enter and remain in.

BA or BSc Specialization in Pure and Applied Mathematics — 60 credits

Offering a solid grounding in mathematics, this is a good program for any student who wants to concentrate on mathematical studies. The program starts with basic courses in multi-variable calculus, linear algebra, probability and statistics. Higher-level courses include complex analysis, abstract algebra, number theory, advanced probability, statistics and analysis.

Pure and Applied Mathematics Co-op Program

Pure and Applied Mathematics Co-op students are usually hired for their organizational and analytical skills and their problem-solving abilities. Students become familiar with optimization techniques from operations research. They are expected to have a strong foundation in mathematics and to be familiar with basic algorithms and programming using a variety of software packages. They may also be required to participate in library and Internet-based research related to the development of mathematical systems and algorithm applications. Students must be able to maintain web-related documentation of updates and testing.

Career opportunities

Science, mathematical modelling, data analysis, design, software development, transport and communications, investment, finance and insurance, banking, pension management, energy firms.

Statistics

Statistics has been described as the science concerned with making sense out of numbers. Since numerical information plays an important role in our daily lives, all of us can profit from some knowledge of statistics. But complex problems call for the service of professional statisticians, most of whom have graduate training in statistics and probability. Statisticians give advice on the statistical results of experiments, conduct surveys, analyse data with the help of existing statistical techniques or devise new methods of analysis. They make ever-increasing use of computers, often writing their own programs or modifying existing ones. Statisticians rarely work by themselves. They collaborate with specialists in areas such as agriculture, the biological and health sciences, economics, social psychology, as well as business and industry.

BA or BSc Honours in Statistics — 66 credits

An excellent choice for students interested in research and graduate studies since a research thesis is required for graduation. Normally, students apply for entry into the Honours program after starting in the Specialization, although direct entry into the program is possible with an interview. The program requires a high academic standing to enter and remain in.

BA or BSc Specialization in Statistics — 60 credits

Provides a solid grounding in Statistics and prepares students for graduate studies. The program offers basic courses in multi-variable calculus, linear algebra, probability and statistics and a variety of courses in advanced topics in probability and statistics.

Statistics Co-op Program

Students become familiar with various computer programs used by statisticians to analyse data for consistency and general outlier detection. Students are expected to have basic knowledge of statistical and mathematical methods, generally obtained in introductory-level university courses. Employers for Co-op students in Statistics include banks and Statistics Canada.

Sample courses include:

Actuarial and Actuarial Mathematics/Finance

Mathematics of Finance
Actuarial Mathematics I & II
Risk Theory
Credibility Theory
Loss Distributions
Pension Mathematics

Mathematics and Statistics

Introduction to Optimization
Mathematics with Computer Algebra
Linear Algebra and Applications I & II
Introduction to Stochastic Methods in Operations Research
Applied Statistics
Numerical Analysis
Investment Mathematics

Pure and Applied

Elementary Number Theory
Calculus of Variations
Combinatorics
Differential Geometry
Abstract Algebra I/II/III/IV
Partial Differential Equations
Linear and Non-Linear Dynamical Systems

Statistics

Probability I & II
Sample Survey Theory and Applications
Statistical Data Analysis
Linear Models
Introduction to Stochastic processes
Time Series and Forecasting
Multivariate Statistics

Mathematical and Computational Finance

Mathematical and Computational Finance I & II
Measure Theory

PHILOSOPHY

philosophy.concordia.ca

Do you enjoy thinking about and discussing ideas such as the meaning of life, the values at the basis of our society, or the nature of mind and matter? Are you interested in what the great thinkers have to say about human potential and our highest ideals? Courses in philosophy challenge our thinking and provide the occasion to clarify our ideas and to communicate effectively.

BA Honours in Philosophy — 60 credits

A solid base for students who wish to go on to graduate school in philosophy or to pursue a degree in law, administration or public service. It constitutes a thorough and rigorous training in the basic areas of philosophy (ethics, logic, theory of knowledge, the nature of mind and matter) as viewed from several traditions: ancient Greek, modern and contemporary writings from British, North American, Australian and European styles of thinking.

BA Major in Philosophy — 36 credits

Designed for students who wish to acquire the depth and breadth of thinking offered by courses in the main branches of philosophy while leaving themselves open to take a large number of elective courses in philosophy and in other disciplines.

Minor in Philosophy — 24 credits

Provides students with a valuable accompaniment to a Major in another complementary discipline. The study of philosophy is useful training for the mind and will improve students' capacity to raise the basic questions in any field of endeavour and to express their ideas clearly.

Sample courses include:

Critical Thinking
Presocratics and Plato
Deductive Logic
Political Philosophy
Environmental Ethics
Conceptual Revolutions in Science
Philosophy of Human Rights

Career opportunities

Law, public service, and business administration.

PHYSICS

physics.concordia.ca

Do you want to really understand how the world works, in every detail and at the deepest level — from elementary particles to nuclei, atoms, molecules, macromolecules, living cells, solids, liquids, gases, plasmas, living organisms, the human brain, complex systems, supercomputers, the atmosphere, planets, stars, galaxies, and the universe itself? Physicists study questions facing today's science and technology, emphasizing problem solving and abstract thinking.

BSc Specialization in Physics — 66 credits

Provides an in-depth concentration for students who want to learn about physics in detail. Two concentrations are offered and both include material about modern concepts and trends in the field.

Option A: Pure/Computational Physics

This is a traditional option, with computational techniques representing a current trend for problem solving. Students can choose to specialize in experimental or theoretical physics. Beneficial to students who want to find employment after graduation or continue studying physics or engineering at the graduate level. Students can work in the areas of engineering, telecommunications or scientific software development.

Option B: Biophysics

A truly interdisciplinary option spanning Physics, Chemistry, Biochemistry and Biology. Beneficial to students who are interested in broad issues and links between disciplines in science, and provides the background for further work in any science field or medicine. Students can work in conservation or the environment, for pharmaceutical companies, or in hospitals: medical physics or imaging (although further specialization is advisable).

BSc Major in Physics — 48 credits

Provides a general overview of the field, without a clear specialization in any specific area of physics. Ideal for students who want a general formation and a broad selection of subjects. It is useful for any job where technical knowledge is a must.

Physics Co-op Program

Students enrolled in either of the Specialization options may take them in the Co-operative education format, which alternates study terms with work terms.

Sample courses include:

Mechanics
Electricity and Magnetism
Quantum Mechanics I & II
Experimental Electronics I & II
Computational Methods and Simulations in Physics
Nuclear Physics
Lasers and Fibre-optics

Career opportunities

Telecommunications, optometry, holography, weather, oceanography, pollution control, medical imaging, radiation treatment, lasers and satellite design, science teaching, science writing, and marketing in scientific companies.

POLITICAL SCIENCE

politicalscience.concordia.ca

Are you interested in exploring the relationships between power, policy, theory, nationalism, international relations, and other crucial facets of contemporary life? The Department of Political Science offers a challenging array of courses and research opportunities. Political Science is much more than the study of governmental structure and process; it encompasses the study of social movements, international development, political violence, law and political philosophy.

Courses are divided into five areas of specialization: International Politics, Comparative Politics, Canadian and Quebec Politics, Public Policy and Public Administration, and Political Theory. Honours, Major, and Minor programs require a spread of choice over at least three of these areas.

BA Honours in Political Science — 60 credits

Designed in particular for students planning to go on to graduate studies. A high level of performance is required to enter and remain in the program. The Honours in Political Science has two options. While both options require an Honours seminar, the focus of Option A is on extended course work, while Option B requires an Honours tutorial and an Honours thesis consisting of a substantive thesis paper written in consultation with a professor.

BA Major in Political Science — 42 credits

The Major is one of the most popular choices at Concordia and is designed to provide students with a wide-ranging background in at least three of the discipline's areas of specialization. Students also take at least two advanced seminars.

Minor in Political Science — 24 credits

A solid introduction to at least three of the areas of specialization listed above.

Minor in Human Rights Studies — 24 credits

An interdisciplinary introduction to historical and contemporary issues such as civil rights, crimes against humanity, food security, gender equality, postcolonial experiences, and children's rights. Courses are offered from the departments of Political Science, Philosophy, Sociology, English, History, Journalism, Religion, Theological Studies, and the School of Community and Public Affairs.

Sample courses include:

Canadian Federalism
 Globalization and Sustainable Development
 Human Rights and International Justice
 Middle East and Global Conflict
 Peace Studies and Global Governance
 Contemporary Liberalism and its Critics
 Government, Society, and Public Purpose

Career opportunities

Public administration, education, politics, domestic and international law, journalism, non-governmental organizations, and public opinion research.

PSYCHOLOGY
psychology.concordia.ca

Modern scientific psychology studies brain processes and behaviour, human and animal, under various conditions. It examines how internal and external factors influence development, cognition, perception, and motivation. The Department of Psychology has a well-earned reputation as one of the elite departments of its kind in Canada with groundbreaking research in many fields. The Department accepts a limited number of top students directly into Honours.

All programs have a common core consisting of courses in statistics, research methods, behavioural neurobiology, and the history of psychology, plus a selection of courses from the areas of social, abnormal, personality and development, and from perception, cognition, learning, and memory.

BA and BSc

These degrees do not differ in terms of the psychology courses which are available and/or required. However, the BSc requires a number of science prerequisites. These courses are normally completed before application, but they can be completed as part of the undergraduate program.

BA/BSc Honours in Psychology — 66 credits

An intensive program designed for students who are committed to pursuing graduate studies. It builds on the most intensive level of the Specialization by adding two Honours seminars and an Honours thesis. The entrance requirements for Honours, either on admission or by transfer from another program, are demanding, but graduates have an impressive record of success in terms of admission to select graduate programs.

BA or BSc Specialization in Psychology — 60 credits

Designed for students planning on careers in psychology-related fields, especially those requiring professional qualifications and graduate training. The Specialization adds to the Major a number of more intensive courses (Tier 2). These are more in-depth and specialized extensions of the core courses and may also include more extensive background in statistics and methodology, and the possibility of the equivalent of a thesis course.

BA or BSc Major in Psychology — 42 credits

The Major in Psychology is the basic psychology program pursued by approximately half of our students. It provides a solid background in psychology, while allowing students to pursue courses in a number of other departments or Faculties, possibly organized into an elective group, a Minor or even a second Major. Students planning on careers in psychology or closely related areas may be better served by a more intensive program.

Minor in Psychology — 24 credits

This program provides a core background in psychology to support a Major or Specialization in a related discipline. For example, Fine Arts students planning to pursue art or drama therapy, or political science students planning on a career in law.

Behavioural Neuroscience Option

A Behavioural Neuroscience Option is offered for both the BSc Specialization and BSc Honours programs. This option is designed to add a special emphasis on the physiological and biochemical bases of behaviour. It combines the disciplines of Psychology, Biology, and Chemistry, and offers numerous opportunities for students to conduct research with faculty whose primary interest is in the neurobiology of behaviour.

BSc Honours in Psychology — Behavioural Neuroscience Option — 66 credits

This program has the same requirements as the BA or BSc Honours programs except that it includes the Behavioural Neuroscience Option (21 credits selected from Chemistry and Biology). This replaces the requirement for elective courses from outside Psychology, but it does not replace the General Education requirement.

BSc Specialization in Psychology — Behavioural Neuroscience Option — 60 credits

This program has the same requirements as the BA or BSc Specialization programs except that it includes the Behavioural Neuroscience Option (21 credits selected from Chemistry, and Biology). This replaces the requirement for elective courses from outside Psychology, but it does not replace the General Education requirement.

Sample courses include:

Introductory Psychology
 Research Methods and Designs I and II
 Statistical Analysis I and II
 Current Issues in Personality
 Developmental Psychopathology
 Hypnosis and Dissociation
 Memory and Attention
 Neurobiology of Drug Abuse and Addiction

Career opportunities

Psychologist, medical professional, social worker, youth counsellor.

RELIGION
religion.concordia.ca

The Department of Religion is dedicated to the academic study of the world's religious traditions and of social and cultural phenomena affected by religions. Whatever the focus — ancient or contemporary, East or West, mysticism or ethics, ritual or philosophy — informed appreciation of the beliefs and values of other cultures is an essential dimension of education for today's world. Religion offers students an opportunity to explore the contemporary religious scene and critically examine the cultural, social, and political aspects of each religion.

Iranian Studies

Minor in Iranian Studies — 24 credits

An exploration of the peoples, cultures, languages and religions of Iran and Persia.

Sample courses include:

Classical Islam
Sufism
Religions of Iran
Classical Persian Literature

Judaic Studies

BA Honours in Judaic Studies — 60 credits

A comprehensive program focused on the study of Judaism, its history and literature. This program involves an appreciation of Christianity and Islam and a mastery of Hebrew at the intermediate level, and can be adapted to students' interests. Students who demonstrate fluency in Hebrew by a written examination may substitute religion courses at the intermediate or advanced level approved by the departmental advisor. Honours students write an advanced research paper under the guidance of an expert in their chosen field.

BA Major in Judaic Studies — 48 credits

The Major in Judaic Studies provides a solid foundation in this area.

Minor in Judaic Studies — 24 credits

Gives students the opportunity to explore Judaism, its history and literature, through a program tailored to their interests. The Minor in Judaic Studies provides an ideal complement to many subjects, including history, literature, and anthropology.

Sample courses include:

Biblical Studies I: The Hebrew Bible
Ancient Judaism
Canadian Jewish Literature
The Impact of the Holocaust on Religious Thought
Women and Religion: Judaism
Studies in Jewish Thought and Philosophy
Medieval Jewish Thought and Institutions

Religion

BA Honours in Religion — 60 credits

Allows students to explore their own interests independently. Courses are devoted to the study of a relevant language (e.g. Sanskrit, Arabic) or associated field of study (for example: anthropology, art, history, psychology). Honours students also write an advanced research paper under the guidance of an expert in their chosen field.

BA Major in Religion — 42 credits

The Major in Religion provides training in two fields, chosen from Judaism, Christianity, Islam, Asian Religions, and Women and Religion. Students who choose Asian Religions as a concentration may select any combination of courses in Hinduism, Buddhism, Islam, and religions of China and Japan.

Minor in Religion — 24 credits

Students have the opportunity to explore the field through a program tailored to their interests, designed in collaboration with the department advisors. A Minor in Religion provides an ideal complement to many subjects.

Sample courses include:

Religion in Practice
On the Margins of Christianity: Heresy, Dissidence and the End of the World
Modern Islam
Women and Religion: Hinduism
Religion and Film
Death and Dying
History of Satan: Evil Personified in Judaism and Christianity

Southern Asia Studies

BA Major in Southern Asia Studies — 42 credits

The program focuses on the societies and cultures of India, Pakistan and Bangladesh with emphasis on their religious and cultural systems and their modern history and development. Some comparative work on other Indianized cultures of Southern Asia such as Sri Lanka, Nepal, Indonesia and Malaysia may also be included.

Minor in Southern Asia Studies — 24 credits

Gives students the opportunity to explore and learn about the cultural, historical and political systems of the countries in Southern Asia, including India, Pakistan and Bangladesh. Students are introduced to the religions of the region such as Hinduism, Islam, Buddhism and Jainism.

Sample courses include:

Religions of Asia
Religion and the Arts in South and Southeast Asia
From Rammohun Roy to Gandhi and After
Hindu Sadhana: From Yajna to Yoga
Introduction to Islam
Introduction to Hinduism
Theravada Buddhism

Career opportunities

Government, business, education, law, teacher, school animator, diplomat.

SOCIOLOGY AND ANTHROPOLOGY

socianth.concordia.ca

Do you want to change the world? Sociology and Anthropology looks at how societies work, both in Canada and cross-culturally. Fields of study range from self and identity to large-scale research on globalization, human rights and development. In between are courses on gender and sexuality, crime and justice, conflict and power, regional studies and cyberspace.

Sociology

BA Honours in Sociology — 60 credits

Designed for students who want to specialize in studying social processes and acquire a strong theoretical and methodological training. The Honours seminar provides students with a unique opportunity to conduct and present their own research during their final year of study.

BA Specialization in Sociology — 60 credits

Intended for students interested in acquiring and developing a high level of skill and knowledge in studying societies and the process of social change. The program provides exposure to an array of theoretical perspectives and covers a variety of methodological approaches.

BA Major in Sociology — 42 credits

Intended for students interested in acquiring a good level of skill and knowledge to study societies and the process of social change.

Minor in Sociology — 30 credits

Provides students with basic knowledge in studying societies and the process of social change.

Anthropology

BA Honours in Anthropology — 60 credits

Designed for students who want to specialize in studying cultural life in diverse human societies. Students receive a solid theoretical and methodological training which they are invited to apply to their own research through the Honours essay during their final year of study.

BA Specialization in Anthropology — 60 credits

Designed for students who want to acquire a solid theoretical and methodological training in studying cultural life in diverse human societies.

BA Major in Anthropology — 42 credits

Intended for students interested in acquiring a good level of skill and knowledge to study cultural life in diverse human societies.

Minor in Anthropology — 30 credits

Provides students with basic knowledge in studying societies and the process of social change.

Anthropology and Sociology

Joint Specialization in Anthropology and Sociology — 60 credits

The Joint Specialization in Sociology and Anthropology provides a unique opportunity for acquiring a solid training in the social and cultural analysis of societies. The program builds on the joint characteristics of the Department to cover a variety of theoretical and methodological perspectives applied to substantive areas through specific courses.

Sample courses include:

Sociology

Introduction to Society
Classical Social Theory
Sociology of Culture
Juvenile Crime and Delinquency
Contemporary Sociological Theory
The Family
Self and Society

Anthropology

Introduction to Culture
Race and Ethnic Relations
Art, Aesthetics, and Anthropology
Peoples and Cultures of Oceania
Population and Environment
Research Design and Analysis
Anthropology of Food

Career opportunities

Government and business, involving statistical research, market research, urban planning or human resource work.

THEOLOGICAL STUDIES

theology.concordia.ca

Do you want to know more about the Bible and its interpretation through history? Are you interested in how a religious tradition responds to 21st century challenges or how contemporary questions challenge and transform religious faith? Theological Studies deals with both classical and contemporary theology as it intersects with culture, the social sciences and other humanities. We investigate specific historical, textual and interdisciplinary issues that pertain to ultimate meaning in Christian and other monotheistic traditions. There are two distinct yet interrelated areas of theology: 1) scholarly research into the formation, reception and interpretation of scripture; and 2) interdisciplinary discourse in ethics, the sciences, inter-religious dialogue, as well as religion and politics.

BA Honours in Theological Studies — 60 credits

Prepares students for graduate-level work in theology or another discipline in the humanities. It consists of a comprehensive array of courses in different areas of theology, including several advanced-level seminars devoted to specific themes, figures and classical texts.

BA Major in Theological Studies — 42 credits

Provides a coherent framework of Christian theology in its biblical roots, with attention given to methodological issues, as well as theology's historical and contemporary expression.

Minor in Theological Studies — 24 credits

Provides an overview of the discipline of Christian theology with a broad mixture of biblical and theological studies.

Certificate in Pastoral Ministry — 30 credits

Provides a range of insights from pastoral, biblical and systematic theology to spirituality and the practice of pastoral ministry in religious and secular settings. The program has an emphasis on applied training.

Applicants to Pastoral Ministry must submit a letter of intent to the Department of Theological Studies:

Concordia University
Department of Theological Studies
1455 De Maisonneuve Blvd. West (D 103)
Montreal, Quebec H3G 1M8
T: 514-848-2424 ext. 2475

Sample courses include:

Introduction to Biblical Studies
 Faith, Reason and the Religious Sense
 Jesus Christ in History and Faith
 Spirituality: Personal, Social and Religious Dimensions
 The Hebrew Bible: History and Texts
 Theology and Myth
 Gospels and Acts

Career opportunities

Pastoral ministry, religious education, liberal arts teaching/administration, non-profit/human services leadership, non-therapeutic counselling, and ethical consulting.

LIBERAL ARTS COLLEGE

liberalartscollege.concordia.ca

The Liberal Arts College offers a unique multidisciplinary Core curriculum designed to provide the foundations of an education for life. The small community of fellows and students provides a unique “Great Books” emphasis within the Faculty of Arts and Science. Built on a core of eight courses (with Major, Minor and Honours options), the multidisciplinary, textually disciplined curriculum is designed to guide students in exploring the foundations and development of Western civilization and culture.

The Core

The College Core may be taken on its own as a Major or as a component of the Honours in Western Society and Culture. However, students may alternately choose to combine the Core as a Major or Minor with an Honours, Specialization or Major in another department within the Faculty. The Core curriculum, required of all students regardless of disciplinary focus or departmental affiliation, comprises carefully constructed and interrelated seminars normally available only to College students. Core seminars stress work in the major areas of human knowledge and understanding: the Humanities, Social Sciences, Art, Music, and scientific thought. Given in a set sequence, they are bound by a common concern with the nature and development of Western Society and Culture, from antiquity to the present. Core courses stress writing and research skills, and the use of a second language. They involve work in major primary and interpretive materials and the development of sophisticated analytic approaches.

Western Society and Culture**BA Honours in Western Society and Culture — 60 credits**

A high level of performance is required to be admitted to and remain in the Honours program.

BA Major in Western Society and Culture — 42 credits

Students completing the Core curriculum are strongly encouraged to graduate with a Major in Western Society and Culture. In addition, the College advises students to take some other form of concentrated study, e.g. Major or Minor, within a single department or field of study.

Minor in Western Society and Culture — 30 credits

The Minor includes the central courses of the curriculum in Western Society and Culture. It is an outstanding foundation for any study of the humanities, and is an excellent supplement to a disciplinary Major.

Applicants should contact the College:

Concordia University
Liberal Arts College
1455 De Maisonneuve Blvd. West (RR 103)
Montreal, Quebec H3G 1M8
T: 514-848-2424 ext. 2565

Sample courses include:

Great Books: Western History and Thought from Antiquity through the Renaissance
 Great Books: Western Culture and Expression from Antiquity through the Renaissance
 Structure and Dynamics of Western Civilization Modes of Expression and Interpretation I & II
 History of Art
 History of Music
 The Sciences and Society
 The Twentieth Century: Forms, Themes, Critiques

Career opportunities

Writer, teacher, advertising, business communication, and publishing.

LOYOLA INTERNATIONAL COLLEGE

lic.concordia.ca

Would you like to expand your knowledge of how individuals and society can operate more consciously in a global context of increased intercultural contact? Loyola International College is an interdisciplinary college within the Faculty of Arts and Science that provides students with an opportunity to delve into some of the most complex and challenging issues facing humankind in the 21st century from global, multicultural perspectives. This Minor works well with any Major by providing an international component that enhances opportunities in business, social services, and further studies.

Minor in Diversity and the Contemporary World — 24 credits

Designed to complement a Specialization, Major or Honours program. Courses have a limited number of spaces open for students who wish to take them as electives rather than as part of the Minor.

Sample courses include:

The Idea of Modernity
 What is the Environment?
 The Twentieth Century
 Globalization and Diversity
 Science and the Contemporary World
 Biodiversity on Earth
 Self, Culture and Development

SCHOOL OF CANADIAN IRISH STUDIES

cdnirish.concordia.ca

The Canadian Irish Studies program enables students to explore the history and culture of Ireland and the Irish experience in Canada and Quebec. They foster an increased awareness of the significant contribution the Irish have made towards the development of both Quebec and Canadian society.

Minor in Canadian Irish Studies — 24 credits

The Minor is intended for current students and must be combined with an Honours, Specialization, or Major program from another department.

Certificate in Canadian Irish Studies — 30 credits

The Certificate program is directed to members of the larger community and may be taken as an independent program.

Sample courses include:

Introduction to Canadian Irish Studies
 History of Ireland
 The Making of the Irish Landscape
 The Irish Famine
 The Irish Literary Revival
 Field Studies in Ireland
 Irish Studies: Dispersal and Settlement

SCHOOL OF COMMUNITY AND PUBLIC AFFAIRS

scpa-eapc.concordia.ca

Are you intrigued by public policy in Quebec and Canada? The School of Community and Public Affairs offers a multidisciplinary program: Public Policy Analysis. Students can combine this program with a program in another discipline in Arts and Science.

BA Major in Community, Public Affairs and Policy Studies — 42 credits

Prepares students to be knowledgeable participants in the policy-making process in the private, public, and community sectors.

Applicants should contact the School:

Concordia University
School of Community and Public Affairs
1455 De Maisonneuve Blvd. West (CI 205)
Montreal, Quebec H3G 1M8
T: 514-848-2424 ext. 2579

Sample courses include:

Introduction to Public Policy and the Public Interest
 Community and Public Affairs in Quebec and Canada
 Economics for Public Policy and Community Development
 Social Debates and Issues in Public Affairs and Public Policy
 Community and Local Activism

Career opportunities

Policy analysis, public affairs and political organizations, journalism, urban planning, education, and graduate work in public affairs, law, and commerce.

SCIENCE COLLEGE

scicol.concordia.ca

Are you thinking about a life of research, teaching or an equally demanding career in the sciences? The Science College offers a challenging program where students looking towards a life in the sciences can get to know one another, learn together, and explore how science really works. The College adds the following exciting features to the core undergraduate science curriculum:

- participation in scientific research projects in each undergraduate year;
- cross-disciplinary courses looking at selected topics from more than one scientific point of view;
- a library, study space and common room open to College members 24 hours a day.

Minor in Multidisciplinary Studies in Science — 24 to 30 credits

The Minor consists of a core of courses which have been developed specifically for the Science College with the intention of providing a unique, integrated program of education in science. In addition to completing the Minor, students are responsible for satisfying their particular degree requirements by completing a departmental Honours, Specialization, or Major program leading to a BSc or BA (cognitive science).

Applicants should contact the College:

Concordia University
Science College
7141 Sherbrooke St. West (SP 363-02)
Montreal, Quebec H4B 1R6
T: 514-848-2424 ext. 2595

Sample courses include:

Historical, Philosophical, and Social Aspects of Science
 Directed and Independent Study I, II & III (Research Projects)
 Current Issues in Physical, Biological and Mathematical Sciences
 Topics for Multidisciplinary Study

SIMONE DE BEAUVOIR INSTITUTE AND WOMEN'S STUDIES

wsdb.concordia.ca

Are you interested in questions of gender and women's rights? The Simone de Beauvoir Institute offers a variety of exciting courses which explore the historical and contemporary aspects of women's oppression and resistance.

BA Specialization in Women's Studies — 60 credits

The Specialization is the best option for students interested in graduate-level women's studies.

BA Major in Women's Studies — 42 credits

A Major in Women's Studies will appeal to students who are passionate about feminism, and who would like to devote themselves to studying its history, theory and political action.

Minor in Women's Studies — 30 credits

Combined with a Major in another field, a Minor in Women's Studies offers students new and critical ways to think about knowledge. Many students doing a Major in departments such as History, English, Communication Studies, or Studio Arts have elected to do a Minor in Women's Studies.

Certificate in Women's Studies — 30 credits

The Certificate is for students who already have a BA degree and would like to pursue Women's Studies.

Sample courses include:

Introduction to Women's Studies I & II
 Feminisms and Research Methods
 Black Women's Culture
 Feminist Thought I & II
 Lesbian Issues and Realities
 Feminist Perspectives on Culture
 Feminist Ethics

Career opportunities

Social work, law, international development, and community organization.

Elective Groups

What is an Elective Group?

A package of elective courses from which 15 or 18 credits are focused around a specific topic or area of interest. Each group provides multi- and interdisciplinary course content.

Why take an Elective Group?

Elective Groups are focused on a given theme, but courses are taken in a broad range of disciplines. Elective Groups allow students to take electives in a more structured and meaningful form and can be used to partially satisfy the Arts and Science requirement for 24 credits outside the discipline or department.

Who can enrol?

Any student can enrol in an Elective Group, at any stage of his or her program. Elective Groups are also open to students from other Faculties and to Independent students.

The Groups

1) The Basics of Business — 15 credits

Gain insight into the world of commerce and administration.

2) Health and Lifestyle — 18 credits

In today's society, there is an increasing emphasis on being healthy and fit. How much do you know about the principles of health, leisure and fitness?

3) Hellenic Studies — 18 credits

A unique opportunity to study the many facets of Hellenic civilization from antiquity to the present. Students choose from a variety of courses on the Greek language (elementary classical Greek to Modern Greek), Greek philosophy, history, drama and literature including the Epics.

4) Introduction to Life Sciences — 18 credits

Provides a rich and varied overview of the life sciences.

5) Legal Studies — 18 credits

Do you often wonder about the law — how it works, how it affects us as individuals and how it affects society in general? This elective group provides an overview of the law and valuable knowledge of legal issues applicable to any number of fields.

6) Marketing — 15 credits

This elective group is intended to supplement training of non-commerce students. Some familiarity with current marketing principles and practices is beneficial no matter the field of study.

7) Native Studies — 18 credits

Learn about the historical, legal, social and cultural conditions of First Peoples and obtain a broad-based understanding of contemporary movements.

8) The Planet Earth: Studies in the Environment — 18 credits

Learn about the make-up of the planet and its place in the physical universe. Gain insight into some of the discussions on environmental issues.

9) Preparing for Success in the Workplace: Skills, Issues and Practices — 18 credits

Supplements and reinforces some of the skills that are required in the job market: thinking, writing, using computers and working with numbers. Become familiar with some fundamental issues and practices in the media and marketplace.

10) Quebec Studies — 18 credits

Improve your appreciation of the society in which you live and enhance your chances of success. Become fluent in French and get to know the québécois culture.

11) Spanish America — 18 credits

Study Spanish language, culture and society. Since the advent of NAFTA, students stand to benefit from knowing about our Hispanic partners to the South.

12) Understanding Western Myth — 15 credits

Mythology depicts fundamental human experience — creation, death and immortality — and explores society's reactions to crimes and taboos. Go back in time for an understanding of some of the themes of contemporary culture and discover Western myths in their various incarnations throughout the ages.

JOHN MOLSON SCHOOL OF BUSINESS

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Undergraduate Programs and Student Affairs

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Bachelor of/Baccalaureate in Administration

The BAdmin program develops capable problem-solvers and decision-makers. It provides students with a fundamental grounding in administration and offers an opportunity to pursue a wide range of interests. Instead of selecting a specific Major in business, students select a limited number of business courses that interest them, potentially including a Minor in a specific business discipline. They must also complete at least 30 credits from offerings in other Faculties, which may include a Minor in a non-business discipline.

The BAdmin program consists of the following:

42 credits Core Courses

18 credits from the School of Business disciplines (may include a Minor in a business discipline)

30 credits from offerings outside the School of Business, including 15 credits beyond the introductory level. These 30 credits may be used to add a Minor in a non-business discipline.

90 credits Total

Career opportunities include:

Administrator, Account Executive, Hotel Manager, Entrepreneur, Event Organizer, Customer Service Manager

Bachelor of/Baccalaureate in Commerce

The BComm program offers an intellectually challenging curriculum which provides students with an education for business life. The interdisciplinary nature of the program allows students to analyse, formulate, judge, and solve challenging business problems. The first year of the program focuses on fundamental business concepts and operational skills that form the base of the core curriculum. The second year provides a broad experience in all phases of business. The last year allows students to study a specific business discipline in depth.

Major and Minor Concentrations

Students in the BComm program must select a Major. Those looking for exposure to a complementary discipline may complete an optional 12-credit Business Minor in addition to a Major. The Major and Minor may not both be taken in the same discipline.

The BComm program consists of the following:

42 credits Core Courses

24 credits Major

24 credits Electives (12 credits must be from offerings outside the John Molson School of Business)

90 credits Total

Core Courses

All students entering the John Molson School of Business degree programs must complete a common set of 14 required core courses as outlined below.

COMM 210	Contemporary Business Thinking	COMM 225	Production and Operations Management
COMM 212	Business Communication	COMM 226	Management Information Systems
COMM 215	Business Statistics	COMM 305	Managerial Accounting
COMM 217	Financial Accounting	COMM 308	Introduction to Finance
COMM 220	Analysis of Markets	COMM 315	Business Law and Ethics
COMM 222	Organizational Behaviour and Theory	COMM 320	Entrepreneurship
COMM 224	Marketing Management	COMM 401	Strategy and Competition

ACCOUNTANCY

Major in Accountancy — 24 credits

Minor in Assurance, Fraud Prevention and Investigative Services — 12 credits

Minor in Financial Reporting — 12 credits

Minor in Management Accounting — 12 credits

The Accountancy curriculum is designed to impart the necessary skills required for entry into the accounting profession. The Department offers a wide selection of accounting courses that satisfy the educational requirements for the three major Canadian accounting designations: Chartered Accountant (CA), Certified General Accountant (CGA), and Certified Management Accountant (CMA).

Graduates have been very successful in passing the national examinations required for qualification as professional accountants, most notably the success of the Diploma in Chartered Accountancy graduates in passing the Uniform Final Examinations of the Canadian Institute of Chartered Accountants.

The CA designation provides entry into the public accounting professions and employment within public accounting firms. CGA graduates are employed in a variety of organizations, including accounting firms, federal, provincial and municipal governments, not-for-profit organizations (e.g. charities, hospitals), manufacturing companies and financial institutions. The CMA designation prepares the candidate for work in organizations as a member of the management team. The program leading to the CMA designation is accredited by CMA Canada. Many students also seek the Certified Public Accountant (CPA) certification in the United States.

Sample courses include:

Financial Reporting I, II and III
 Cost and Management Accounting
 Income Taxation in Canada
 Fraud Prevention and Investigation
 Government and Not-for-Profit Accounting
 Advanced Management Accounting
 Assurance Services

Career opportunities include:

Accountant, Budget Analyst, Taxation Specialist, Treasurer, Auditor, Credit Officer, Forensic Accountant, Controller, Business Valuator

Accountancy Co-op Program

The Co-op program links the academic requirements of the BComm in Accountancy with practical paid work experience. It introduces students and employers to the advantage of a connection between business, university and government. Many co-op students intend to obtain one of three professional accountancy designations: CA, CGA or CMA. Concordia's graduates have been notably successful in passing the Uniform Final Examination of the Canadian Institute of Chartered Accountants.

Work tasks may include:

- Preparing financial statements
- Handling personal and corporate tax files
- Conducting audits and performing inventory counts
- Doing bank reconciliations
- Undertaking small business tax evaluation
- Participating in cost accounting dossiers
- Advising on financial and managerial situations

Certificate in Accountancy

This program is designed for students who wish to earn a certificate while completing the educational requirements for a particular professional accounting designation (CA, CGA, CMA). It is intended for Canadian Citizens or Permanent Residents who have already completed an undergraduate degree. The admission requirements are the same as those for entry to the BComm program. For more information please visit johnmolson.concordia.ca/en/undergrad/business-certificates/certificates-in-accountancy.

Special Programs in Accountancy

The following professional accounting organizations recognize specific Concordia University courses for exemption or advanced standing in their professional education programs.

Order of Chartered Accountants of Quebec: Chartered Accountant (CA)

Diploma in Chartered Accountancy — 30 credits

This Diploma is accepted by *l'Ordre des comptables agréés du Québec* (Quebec Order of Chartered Accountants) as qualification to write the Uniform Final Examination (UFE). The teaching faculty includes leading practitioners in public accountancy, assurance services, business law and taxation. The program may be completed in one year on a full-time basis. Students enrolled on a part-time basis generally complete the program in two years.

Applicants must possess a bachelor's degree. Those who hold a BComm in Accountancy with high academic standing ("B-" grade in 14 specified courses) normally satisfy the entry requirements. Applicants who do not meet the entry requirements must successfully complete qualifying courses, as assigned by the program director, which may be completed within the Certificate in Accountancy.

Order of Certified Management Accountants of Quebec: Certified Management Accountant (CMA)

Students who wish to follow the CMA program must register with *L'Ordre des comptables en management accrédités du Québec*:

Quebec CMA Order
 393 Saint-Jacques, suite 920
 Montreal, Quebec H2Y 1N9
www.cma-quebec.org

Order of Certified General Accountants of Quebec: Certified General Accountant (CGA)

Students who wish to follow the CGA program must register with *L'Ordre des comptables généraux licenciés du Québec*:

500 Place d'Armes, suite 1800
 Montreal, Quebec H2Y 2W2
 T: 1-800-463-0163
www.cga-quebec.org

DECISION SCIENCES AND MANAGEMENT INFORMATION SYSTEMS

Management Information Systems (MIS)

Major in Management Information Systems — 24 credits

Minor in Management Information Systems — 12 credits

Minor in Data Intelligence — 12 credits

Management Information Systems (MIS) are integrated, computer-based systems that provide information to support management and operations of an organization; they are the application of information technology to business problems.

Students gain knowledge of recent developments in information and communication technologies which help companies improve their organizational performance. They learn how to analyse the information needs of various user departments within an organization, using Internet technologies to create media-rich collaborative environments among company employees, customers and suppliers. They also learn how to design and implement information systems to support business processes, integrate information systems within the organization, and support its core competencies.

Sample courses include:

Database Management
Information Systems Analysis
E-business Systems
Enterprise Resource Planning and Information Technology Integration
Data Mining Techniques
Managerial Forecasting
Project Management

Career opportunities include:

Operations/Risk Management, E-Business Developer, Corporate Information Manager, Business Information Systems Analyst, Information Technology Manager, Information Systems Support, Information Systems Quality Assurance Manager, Information Systems Developer, Process Analyst, Chief Information Officer, Webmaster

Management Information Systems (MIS) Co-op Program

This program prepares students for careers in information systems analysis and design, database design and administration, as well as management of information technology. Specialists in this area provide information to support management and operations of an organization.

Work tasks may include:

- Managing web and intranet sites
- Assisting in e-commerce initiatives
- Consulting on IT strategic planning, technological transformation and solution selection
- Designing and developing database systems
- Participating in defining information systems for R&D documentation

Supply Chain Operations Management

Major in Supply Chain Operations Management — 24 credits

Minor in Supply Chain Operations Management — 12 credits

Operations Management has traditionally focused on how to best allocate the scarce resources of labour, machinery, material, money, information and time for a business entity using both quantitative and qualitative tools, techniques and approaches. With the Major in Supply Chain Operations Management, this focus shifts from the unit enterprise to the entire supply chain with all its stakeholders. Hence, integration along the supply chain is a pivotal theme of this Major.

Courses cover the modelling and managerial aspects of forecasting, production planning, scheduling, inventory management, logistics and technology management along the supply chain. This is followed by a project course that emphasizes the integration theme in a real-life manufacturing or service environment. Case studies, simulation games, field trips and guest speakers from industry and business are all part of the course delivery, exposing students to current and leading-edge supply chain practices.

Sample courses include:

Management Science Models for Operations Management
Product Design and Process Re-engineering
Supply Chain Planning and Control
Supply Chain Project
Supply Chain Logistics
Technology Integration Management
Supply Chain Simulation

Career opportunities include:

Supply Chain Director, Logistics Director, Inventory Control Director, Quality Assurance Director, Project Director, Operations Manager, Facilities Manager, Department Supervisor, Scheduler, Buyer, Performance Improvement Manager, International Logistics Manager

Supply Chain Operations Management Co-op Program

Students gain practical experience in the modelling and managing of manufacturing and service industry logistics, planning, scheduling, materials and more. Work terms are available in a growing list of industries including aerospace, food manufacturing, transportation analysis and risk consulting.

Work tasks may include:

- Developing strategic planning for industrial commodities
- Creating and implementing process controls and improvements
- Reducing plant backlog
- Supporting the development of project milestone deliverables

ECONOMICS

Major in Economics — 24 credits

Minor in Economics — 12 credits

What are the implications of wide-spread public speculation in gold? How does a change in trading arrangements affect employment or what we manufacture? Economics probes the material aspects of our existence — as a country, a trading partner, a community or an organization. Economists analyse a vast spectrum of information in order to understand or predict how various activities will affect the economy at any given time. This program acquaints students with economic issues around the world and provides rigorous training in economic analysis.

Sample courses include:

Economic Data Analysis
Canadian Economic Policy and Institutions
Money and Banking
Financial Economics
International Economics: Trade Theory
Game Theory, Information, and Economic Modelling
The Corporate Economy
Health Economics

Career opportunities include:

Financial Analyst, Environmental Assessment Project Coordinator, Market-Research Analyst, Credit Manager, Economic Statistician, Public-Sector Researcher

FINANCE

Honours in Finance — 30 credits*

Major in Finance — 24 credits

Minor in Finance — 12 credits

Finance programs familiarize students with all aspects of financial management and decision-making. Students learn how corporations make financial decisions and how individual investors can select and manage their investment opportunities. Students have the opportunity to become familiar with the increasingly important fields of derivative securities and the management of financial services industries.

Students learn basic concepts through lectures, case studies, and simulation exercises and may specialize in one of the following areas of finance: Corporate Finance, Investments, Financial Institutions, Derivatives, and International Finance.

* Students are eligible to apply to the Honours program if they have completed FINA 385, 395, and six additional credits in Finance. Applicants must have achieved a minimum cumulative GPA of 3.3 and a minimum GPA of 3.5 in their Finance courses. Enrolment in this program is limited. The selection process may include recommendations from faculty members as well as applicant interviews.

Sample courses include:

Theory of Finance I & II
Investment Analysis
Portfolio Management
Mergers and Acquisitions
Real Estate Investment and Finance
Trading in Financial Securities
Multinational Financial Management

Career opportunities include:

Commercial Banking, Retail Banking, Corporate Finance, Financial Planning, Hedge Fund Management, Insurance and Risk Management, Investment Banking, Money Management, Private Equity Management, Real Estate Management, Mergers and Acquisitions, Entrepreneur, Market or Securities Analyst

Finance Co-op Program

This program familiarizes students with all aspects of domestic and international financial management and decision-making for corporations and individuals. Students gain experience in corporate finance, investments, financial institutions, derivatives, and international finance.

Work tasks may include:

- Performing market comparisons
- Assessing foreign exchange risk
- Conducting company valuations
- Supporting preparation of financial reports
- Providing advice to clients regarding their financial services objectives
- Dealing with financial risk management
- Participating in international finance decisions
- Working as an investment portfolio assistant
- Monitoring exchange and interest rates
- Trading in currencies on the global market

INTERNATIONAL BUSINESS

Major in International Business — 24 credits

Minor in International Business — 12 credits

This program prepares students to become international business leaders who can manage effectively in an increasingly complex multicultural and multilingual global marketplace. Students graduate with the ability to understand international management concepts and trends, the international environment, institutions and practices, cross-cultural sensitivity, and interpersonal, negotiation, and leadership skills. Students also learn how to generate global and local creative strategies, as well as the skills to effectively implement them. The program is a combination of a solid business core, plus exposure to the culture, politics, and economics of various regions of the world. Students are strongly encouraged to follow language courses and to participate in the International Student Exchange Program.

Sample courses include:

International Financial Management
Environment of World Business
Management of Multinational Corporations
Cross-Cultural Communications and Management
International Marketing Management
International Business Law

Career opportunities include:

International Human Resources Manager, Trader/Market Specialist, Business Development Manager, Import/Export Manager

International Business Co-op Program

This program examines international business issues from a strategic perspective while offering exposure to several disciplines including international management, marketing, finance, as well as international aspects of politics, economics, and sociology. Students benefit from the program's practical orientation toward the exporting of goods and services, dealing with the challenges of a complex multicultural and multilingual marketplace, and exposure to the legal implications of operating within a global environment.

Work tasks may include:

- Performing on-site audits of international standards procedures and implementation
- Studying the implications and repercussions of international policy change on domestic and international markets
- Local and international sourcing, allocation and distribution of industrial materials
- Short- and long-term forecasts for product sales and competition in key markets

MANAGEMENT

Human Resource Management

Major in Human Resource Management — 24 credits

Minor in Human Resource Management — 12 credits

Provides in-depth knowledge in each of the major functional areas of human resources. Critical issues within this field include the recruitment and selection of employees, their training and development, and compensation and rewarding strategies. Electives are offered in such fields as compensation and benefits management, training and development, and health and safety management.

Sample courses include:

Industrial Relations and Collective Bargaining
Compensation and Benefits Management
Training and Development
Workplace Planning and Staffing
Strategic Human Resource Management
Employment Law

Career opportunities include:

Recruiter, Interviewer, Trainer, Career Counsellor, Salary Administrator, Compensation Analyst, Labour Relations Specialist, Health and Safety Specialist, Union Negotiator

Human Resource Management Co-op Program

This program offers a general management perspective while integrating a specialist orientation which examines critical issues within the field such as recruitment and selection of employees, their training and development, compensation and rewarding strategies.

Work tasks may include:

- Recruiting, pre-screening and interviewing candidates and verifying references
- Preparing job descriptions and conducting market surveys
- Analysing training needs
- Involvement in performance management, employee recognition and employment equity initiatives

Management

Major in Management — 24 credits

Minor in Management — 12 credits

Minor in Entrepreneurship — 12 credits

Geared toward developing aptitudes that are more strategic in nature, this program aims to nurture problem-solving, implementation and tactical abilities.

Sample courses include:

Sustainable Management
Organizational Theory and Design
Implementing Competitive Strategies
Entrepreneurial Family Business
Leadership and Motivation
Managing a Small Business
Introduction to Management Consulting

Career opportunities include:

Account Manager, Assistant Executive Director, Business Analyst and Consultant, Business Planner, Buyer, Client Services Associate, Internal Account Manager, Logistics Analyst, Management Advisor, Merchandise Allocator, Procurement Agent, Product Manager, Public Relations Analyst, Sales and Service Manager, Strategic Planner, Warehouse Manager

MARKETING

Major in Marketing — 24 credits

Minor in Marketing — 12 credits

The Marketing curriculum ensures that students are up-to-date and fully equipped in terms of the knowledge, skills, and attitudes suitable for marketplace success in the twenty-first century. The program's applied "how to" approach greatly enhances the employability of graduates and prepares them to start the new business that Canada requires to enable its future economic well-being.

Sample courses include:

Marketing Research
Consumer Behaviour
Advertising
Personal Selling and Sales Management
Services Marketing
Product Strategy and Innovation
Strategic Marketing Planning

Career opportunities include:

Market Research Analyst, Consumer Analyst, Product or Brand Management, Sales Management, Media Buyer/Planner/Analyst, Account Executive (Advertising), Not-for-Profit Marketer (e.g. Arts Marketing, Church Marketing), Retailing Specialist (Buyer or Manager), E-Commerce Manager, Customer Service Manager, Marketing Communications Coordinator, Business-to-Business Marketer, Service Professional, Relationship Marketing Specialist, Social Media Specialist

Marketing Co-op Program

Students develop decision-making skills and are equipped with the perspective necessary to become effective, responsible marketing professionals. They are able to create and execute plans based on a thorough understanding of consumer behaviour and the factors that influence it.

Work tasks may include:

- Event planning and organization
- Marketing research, project development and analysis
- Participation in fundraising campaign planning
- Creating and producing websites, posters, brochures and point-of-sale materials
- Reviewing merchandising trends
- Creating public-relations strategies and performing PR tasks

ACTUARIAL MATHEMATICS AND FINANCE

BA/BSc Specialization in Actuarial Mathematics/Finance — 84 credits

Offered by the Faculty of Arts and Science in collaboration with the John Molson School of Business, this program combines a solid education in Actuarial Mathematics with an extensive introduction to Finance. It is designed for students who wish to pursue careers as actuaries with a specialization in the financial issues of actuarial practice. The program requirements combine practically all the compulsory courses of the Actuarial Mathematics program, with 27 credits of required courses in Accounting, Economics and Finance. Admission is limited to students with an excellent academic record. This program is available in the Co-operative Education format. See also pages 18 and 69.

MATHEMATICAL AND COMPUTATIONAL FINANCE

BA/BSc Specialization in Mathematical and Computational Finance — 90 credits

Offered by the Faculty of Arts and Science in collaboration with the John Molson School of Business, this program combines advanced mathematics and finance and is concerned with creating and implementing mathematical models and computational techniques for pricing financial instruments, analysing and managing the risks associated with complicated financial instruments and strategies, and devising innovative new financial products. See also pages 18 and 69.

BUSINESS STUDIES

Certificate in Business Studies — 30 credits

Designed for those in the business world who do not wish to embark upon a complete degree program, but are looking for a smaller, more immediate program of study to benefit them in their career advancement. This Certificate is not open to students already enrolled in a BComm or BAdmin program. However, credits obtained may subsequently be applied to a degree program, where appropriate.

The admission requirements are the same as those for entry to the BAdmin program. See page 28.

Minor in Business Studies — 30 credits

For students enrolled in Faculties other than the John Molson School of Business.

The Minor has the same content and admission requirements as the Certificate, and is taken in conjunction with a Major or a Specialization. **A minimum GPA of 2.50 is required for acceptance into this Minor.**

Sample courses include:

Contemporary Business Thinking
Business Communication
Business Statistics
Financial Accounting

ELECTIVE GROUPS

The following elective groups are available to students enrolled in programs outside the John Molson School of Business:

The Basics of Business — 15 credits

Sample courses:

Introduction to Financial Accounting
Personal Finance
Business Statistics
Introduction to Marketing

Marketing — 15 credits

Sample courses:

Introduction to Marketing
Marketing Research
Consumer Behaviour
Advertising

Management — 15 credits — NEW for Fall 2011

Sample courses:

Introduction to Business and Management
Human Behaviour in Organizations
Business Law
Sustainable Management

Please consult the advisor in your department for entry into these programs.

FACULTY OF ENGINEERING AND COMPUTER SCIENCE

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Montreal, Quebec H3G 2W1

Engineering Programs

The BEng prepares students for entry to the engineering profession. All Engineering programs are comprised of the following three components:

Engineering Core

This required block of courses gives a thorough grounding in the basics of engineering. Most of the Core courses are taken at the beginning of the program.

Engineering Core Courses

Principles of Electrical Engineering
Technical Writing and Communication
Professional Practice and Responsibility
Sustainable Development and Environmental Stewardship
Applied Ordinary Differential Equations
Applied Advanced Calculus
Probability and Statistics in Engineering
Engineering Management Principles and Economics
Numerical Methods in Engineering
Impact of Technology on Society
General Education Elective

Program Core

Familiarizes students with the analysis and design aspects of their chosen field of study, for example Civil Engineering.

Technical Electives

Provides the opportunity to focus on a particular aspect or sub-discipline of their field of study. Technical electives are available within each program, sometimes grouped into options.

BUILDING ENGINEERING

www.bcee.concordia.ca

Building Engineering involves all aspects in the life cycle of enclosed built facilities (conception, planning, design, construction, operation, maintenance and rehabilitation), whether commercial, residential, industrial or institutional. The building engineer considers the design of the complete building: its structural properties, energy analysis, the materials to be used, the choice of heating, air conditioning and ventilation systems, lighting requirements and electrical power requirements. The ultimate goal is to provide a comfortable indoor environment, with respect to the thermal, visual and acoustic comfort, while following a sustainable design approach.

BEng in Building Engineering — 119 credits

Introduces topics such as building materials, structural analysis and design, building envelope, acoustics, lighting, heating, ventilation, air conditioning, indoor air quality, energy efficiency, economics, and project management.

Students choose technical electives related to the design of various phases of a building. A final-year design project focused on the multidisciplinary approach and teamwork is compulsory for all students entering the fourth year.

Sample projects:

- Design of multi-storey commercial buildings (structural systems, heating ventilating and air-conditioning systems), including site analysis, and the preparation of floor plans
- The energy audit of an existing house
- Design of an atrium or solarium

Co-op Program

Students may gather data on site and return to the office for further study and research. They may also assist in preparing plans for the electrical and plumbing systems. During final work terms students may conduct field surveys, assist in preparing contract documents, prepare and track change orders, prepare preliminary drafts, and conduct site visits to monitor and document progress on various projects.

Sample courses include:

Building Engineering Drawing and Design
 Statics
 Thermodynamics
 Fluid Mechanics
 Structural Analysis I & II
 Structural Design I & II
 Acoustics and Lighting
 Building Science
 HVAC System Design
 Capstone Building Engineering Design Project

Graduates may find careers in positions at companies specializing in the design, analysis, operation, construction, and management of a wide range of residential, commercial, and industrial building projects. Our graduates have been hired by INSPEC-SOL, Siemens, Dessau-Soprin and Peter Kiewit Sons Inc.

CIVIL ENGINEERING

www.bcee.concordia.ca

Civil Engineering involves the planning and construction of complex physical facilities such as buildings, bridges, dams, and tunnels, and the engineering aspects of water resources, waste disposal, transportation, soil mechanics, urban planning, and environmental impact assessment.

BEng in Civil Engineering — 119 credits

- **Civil Infrastructure Option:** Designed for students interested in structural, geotechnical and transportation engineering.
- **Environmental Option:** Tailored for students wishing to pursue careers in environmental engineering.
- **Construction Engineering and Management (CEM) Option:** Designed for students interested in the field of construction engineering and project management.

Sample projects:

- Design of a multi-storey apartment or commercial building in reinforced concrete (basic drawings and calculations)
- Determination of traffic flows on a transportation network for planning purposes
- Waste management collection and reduction

Co-op Program

Civil engineering work often starts at the computer, sorting data and gathering statistics. After the Summer session of the first year of study, students can offer the skill of surveying as they develop and expand their knowledge and work-related skills. By the time co-op students are into their final project, they are helping the project along in a way that most firms expect from their qualified engineers. Assigned tasks include producing formal project proposals and reports, specifications and plans. Students should be able to apply acquired analytical skills in engineering analysis when appropriate.

Sample courses include:

Civil Engineering Drawing and Design
 Statics
 Structural Analysis I & II
 Structural Design I & II
 Surveying
 Introduction to Environmental Engineering
 Transportation Engineering
 Hydraulics
 Soil Mechanics
 Capstone Civil Engineering Design Project

Graduates may find careers in consulting engineering, construction, industry, or various levels of government. Opportunities exist in design, construction, fabrication, or inspection, as well as in research and development or teaching. Our graduates have been hired by SNC-Lavalin, Dessau-Soprin, Stantec and the Ministry of Transport Quebec.

COMPUTER ENGINEERING

www.ece.concordia.ca

Computer Engineering provides a solid grounding in engineering mathematics and science, programming methodology, operating systems, real-time embedded systems, digital electronics, computer hardware architectures, computer networking, VLSI circuit design and many other topics needed to meet today's growing market demands for highly qualified professionals.

BEng in Computer Engineering — 120 credits

- **Avionics and Embedded Systems Option:** Includes courses in embedded systems, flight control, avionics navigation systems and standards, regulations and certification, and provides training in embedded systems and airborne avionics systems.
- **No Option:** Those students who do not wish to choose a specialization must choose a minimum of 26 credits from the Computer Engineering electives list.

Sample projects:

- Gameboy on an FPGA
- Autonomous Personal Service Robot
- Cooperative and Autonomous Formation Flight of Networked Quadrotors

Co-op Program

Students test software pieces designed and implemented by engineers. They also design, update and maintain firewall intrusions, participate in designing and building fault tolerant client servers in speech recognition systems, develop and maintain databases in charge of support programs like Radarsat data, or design and implement web pages. Advanced tasks may include producing formal project proposals and reports, specifications, plans and designing, implementing and testing software products for special projects.

Sample courses include:

Computer Architecture and Design
Microprocessor Systems
Operating Systems
Data Structures and Algorithms
Computer Organization and Software
Software Process
Digital Systems Design I

Graduates may find careers in aerospace avionics, real-time embedded systems, communication systems, software systems and computer architecture and hardware. Our graduates find jobs at Bombardier, CAE Inc., Canadian Space Agency, Honeywell, Motorola, Pratt and Whitney Canada, Cisco Systems, Ericsson, IBM, CGI, Ajilon Consulting, Martox and Microsoft.

ELECTRICAL ENGINEERING

www.ece.concordia.ca

The Electrical Engineering program provides the fundamentals needed for a successful career in electrical engineering, namely, mathematics, engineering science, circuit analysis, electronics, and computer systems, and features a variety of specializations, allowing students to customize their degrees to their own interests.

BEng in Electrical Engineering — 120 credits

- **Electronics/VLSI Option:** Includes courses in analog and digital electronics, VLSI design, semiconductor devices, and process technology. These courses jump-start students for a career in the ever-broadening field of electronics.
- **Telecommunications Option:** Includes courses in digital communications, telecommunication networks, digital signal processing, wireless communications, and optical communications. These courses prepare students for careers in Canadian and global telecommunications industry.
- ***Power and Renewable Energy Option:** Includes courses in controlled electric drives and renewable energy systems. Future smart grids will incorporate renewable energy sources, electric vehicles, and advanced control techniques for optimal energy management. This option features timely courses which train students to solve current and future industry issues.
- **Avionics and Control Option:** Includes courses in flight control, avionics navigation systems, real-time computer control, and standards, regulation and certification, and provides training in airborne aerospace systems.
- **No Option:** Those students who do not wish to choose a specialization must choose a minimum of 30 credits from the Electrical electives list.

* To fill the demand of power engineers, six Quebec universities, including Concordia, have partnered with Hydro-Quebec to create the Institute for Electrical Power Engineering. Students admitted to this Institute must complete six courses offered by the participating universities. Some courses are in English and French. Students must register for courses in their home university.

Sample projects:

- FM Wireless Receiver
- Solar Home Electric Vehicle Charger
- Wind Energy Conversion System

Co-op Program

Students may analyse power consumption and measurements and support the hardware team in designing state-of-the-art cards in multidisciplinary environments (FPGA, Optical front-end, Datacom, control, signal integrity and EMC). As they progress, students contribute to the engineering design and problem-solving processes, produce formal project proposals and reports including specifications and plans, and validate and optimize prototypes in the field.

Sample courses include:

Techniques in Electromagnetic Compatibility
Flight Control Systems
Electronics II
Networks Security and Management
Wireless Communication
Renewable Energy Systems
Real-time Computer Control Systems

Graduates may find careers in aerospace, avionics and robotics, communications, computer and video processing hardware, digital security, power electronics and systems, information technology consulting. Our graduates find jobs at Bombardier, CAE Inc., Canadian Space Agency, Bell Canada, Cisco Systems, Ericsson, CGI, Hydro-Quebec, CAE Inc., Motorola, IBM, Matrix, Miranda Technologies.

INDUSTRIAL ENGINEERING

www.me.concordia.ca

Industrial Engineering involves the analysis, design, implementation and control of integrated systems consisting of people, material, equipment, information and modes of communication. It draws upon specialized knowledge and skills in mathematics, basic and applied engineering sciences and social sciences. Industrial engineers specify, predict, evaluate and design systems with a view to improve productivity, quality and safety. The basic aspects of the program are manufacturing engineering, production management, safety engineering, human factors and associated disciplines. Although the term “industrial engineering” is often associated with manufacturing systems, it can also be applied to problems in government, hospitals, banks and other service-sector organizations.

BEng in Industrial Engineering — 120 credits

A broad introduction to industrial systems, quality control and reliability, facilities design and material handling systems, computer-integrated manufacturing, industrial economics and finance, human factors engineering, engineering management, production engineering, inventory control and industrial operations research.

Sample projects:

- Assembly-line balancing
- Flow control problems in computer networks
- Specification and Implementation of CAD systems
- Ergonomic aspects of human machine interfacing

Co-op Program

Students are trained in production management, manufacturing systems, quality management, facilities planning, simulation and safety engineering, and are involved in reviewing, updating and classifying technical documentation. Co-op students may be found evaluating the ergonomics of a work station or assisting in the implementation of an asbestos management program. By the time students are into their final project, they are functioning in a way that most firms expect from their qualified engineers. Assigned tasks may range from setting up a preventative maintenance program or designing a plant layout to accommodate a specific production line.

Sample courses include:

Mechanical Analysis
 Thermodynamics I
 Introduction to Production and Manufacturing Systems
 Lean Manufacturing
 Quality Control and Reliability
 Computer Integrated Manufacturing
 Facilities Design and Material Handling Systems
 Inventory Control

Graduates may find careers in a wide variety of fields such as hospitals, banks, airlines, transportation and retail stores. Our graduates have been hired by Canadian Space Agency, Hydro-Quebec, Matrox Electronics Ltd. and British Aerospace systems.

MECHANICAL ENGINEERING

www.me.concordia.ca

Mechanical Engineering involves the design, construction and control of machines and equipment, as well as the research and development of new processes, materials and techniques. Mechanical engineers are involved in an astounding array of fields such as internal combustion or jet engine design, vibration analysis, control engineering, production engineering, materials handling, measurements, heating, ventilation and air-conditioning.

BEng in Mechanical Engineering — 120 credits

- **Aerospace and Propulsion Option:** Gas dynamics, turbo-machinery and propulsion, gas turbines, jet and rocket engines, internal combustion power plants, heat exchangers, solar and nuclear power generators, heating ventilation and air-conditioning systems, aircraft structures, avionics, and space systems.
- **Design and Manufacturing Option:** Machinery design, computer-aided design and manufacturing, production and materials engineering, finite element analysis, and design and fabrication of microsystems.
- **Systems and Mechatronics Option:** Design and analysis of mechanical and hybrid control systems, servo-mechanisms, feedback systems, fluid power devices, flight control systems, avionic navigation systems, vehicle system design, and vehicle dynamics.

Sample projects:

- Convert an electronic fuel-injected gasoline engine to methanol
- Design a solar heating system
- Develop an off-road Mini-Baja 4-wheel drive, hydrostatic vehicle
- Design a flight or car simulator

Co-op Program

Students may assist in performing inspections on simulated aircraft models, conducting various fatigue test laboratory experiments, operating test rigs, inspecting used bearings, writing technical notes and reports. Final work terms may include tasks such as the inspection and improvement of mechanical systems, equipment modification, or development of a pre-heating chamber for galvanization processes.

Sample courses include:

Mechanics of Materials
 Fluids Mechanics
 Thermodynamics I & II
 Electronics for Mechanical Engineers
 Machine Drawing and Design
 Properties and Failure of Materials
 Heat Transfer
 Capstone Mechanical Engineering Design Project

Graduates may find careers in a variety of areas, including aerospace, manufacturing, machinery, automotive design, transportation, power generation and management, robotics, and biomechanics. Our graduates have been hired by the Canadian Space Agency, Heroux-Devtek, Bombardier Aerospace and Rolls-Royce.

SOFTWARE ENGINEERING

www.cse.concordia.ca

Software Engineering is the practice of designing and implementing large, reliable, efficient and economical software by applying the principles and practices of engineering. The program is highly practical, but also offers a sound conceptual basis. Students work co-operatively using professional techniques and tools to create complete software systems of professional quality. Classroom lectures are backed by work in regularly upgraded, state-of-the-art laboratory facilities, including specialized labs for databases, networks, 3D graphics, high performance computing, artificial intelligence, and more.

BEng in Software Engineering — 120 credits

Because of the enormous variation in requirements for the development of large-scale software, the specific objectives of the program are to expose students to a wide range of paradigms of software development so that they may usefully integrate into the many varied contexts of current commercial software development.

Co-op Program

Students may be responsible for flow chart development, firewalls maintenance, software configuration, testing and upgrades, web page development and maintenance or documentation on web development standards. As their skills and knowledge develop, research begins to play a role in the work they do. They build, update and maintain inventory systems by programming with JAVA (servlets), develop web-based interface (HTML) and preset queries and reports. Students may work as technical writers/ software developers and write documentation for specific development tools and API's. By their final work term students can design new features on existing software and debug existing functionality.

Sample courses include:

Introduction to Formal Methods for Software Engineering
 Programming Methodology
 System Hardware
 Software Requirements and Specifications
 Software Architecture and Design
 Capstone Software Engineering Design Project

Graduates may find careers in a wide variety of sectors including telecommunications, finance, health care, manufacturing, retailing, security, and transport, as well as aeronautical, automotive, building, electrical, and the entertainment industry, notably video game and animation. Our graduates have been hired by Bombardier Aerospace, CAE Inc., Ericsson and Merck Frost Canada.

Computer Science Program

www.cse.concordia.ca

Computers are everywhere today. Communication in all of its forms depends on complex and extremely reliable software. Vehicles, ships, aircraft, and satellites are all controlled by computers. The entertainment industry, with video games and movie animation, uses computer applications. Modern medical care depends on imaging techniques that in turn depend on computation. Businesses, from the local bank to the international online store, rely on secure access to networks and databases. All these applications are controlled by computer software and hardware and developed and maintained by computer scientists.

Graduates are qualified to design and create new software and to modify and test existing software for a broad range of applications.

Computer Science Core

This required block of courses gives a thorough grounding in the basics of computer science.

Computer Science Core Courses

System Hardware
 Mathematics for Computer Science I
 Data Structures and Algorithms
 Probability and Statistics for Computer Science
 Object-Oriented Programming I
 Object-Oriented Programming II
 Introduction to Theoretical Computer Science
 Operating Systems
 Principles of Programming Languages
 Introduction to Software Engineering

Option Core and Elective Credits

Students may focus their studies in one of these six options:

Computer Applications

- With Major in Computation Arts OR with Major in Mathematics and Statistics

Computer Games

Computer Systems

Information Systems

Software Systems

Web Services and Applications

Honours in Computer Science

An Honours program is available in each of the four options for students with high academic standing in their first year. Applications to the Honours program must be submitted by May 15.

Minor in Computer Science

The Minor is only available to students enrolled in programs outside of the Faculty of Engineering and Computer Science.

Computer Science Co-op Program

Since every company has its own distinct software and hardware, our students are given the necessary skills and tools to progress and excel in their field. As students develop, research begins to play a role in their work. They may check code, maintain departmental intranet sites, be involved in gathering requirements for web-based projects and providing technical support. Some students are given sections of a project to work on individually, then present collectively with their team. Students are included in website and software quality assurance and they participate in programming, debugging and testing software.

COMPUTER APPLICATIONS OPTION

This option gives students the flexibility to combine a solid grounding of hardware and software with another field of study outside the Faculty of Engineering and Computer Science. Students are free to declare a Major or Minor in another discipline.

With Major in Computation Arts

→ **See Portfolio Requirements: Page 49**

Combines two core curricula: computer science and the digital media component of design art. Graduates are technically adept in programming, algorithm design and computational theory, and are creatively skilled in image, sound and virtual dimension design.

Applicants must meet the portfolio requirements for the Computation Arts Program.

Computation Arts Co-op Program

Recent co-op work terms have involved students in creating templates for web projects and companies, as well as updating, replacing and creating new icons, splash screens and logos. Co-op students have trained budding film makers in the latest digital techniques, assisted in Toonz and USAnimation tasks of colouring, compositing, and checking animation. Students in Computation Arts can work with Macromedia Flash, design graphics using Adobe Photoshop, Macromedia Fireworks, and program with JAVA, PERL, XML.

Sample courses include:

Web In Sites
Image/Sound/Dimension
Interactive Multimedia
Design Fundamentals
The Languages of Programming
New Media Theory
Networks and Navigation

With Major in Mathematics and Statistics

Provides a foundation for integrated studies in computer science and mathematics. The mathematics component of the program includes topics that overlap with computer science, such as modelling, symbolic computation, and combinations, as well as the standard topics of a mathematical curriculum.

Sample courses include:

Programming Methodology
Technical Writing & Communication
Multivariable Calculus
Introduction to Optimization
Mathematical Modelling
Combinatorics
Numerical Methods

COMPUTER GAMES OPTION

Deals with the design and implementation of computer games, and the tools and techniques used in developing computer games software.

Sample courses include:

Advanced Program Design with C++
Databases
Computer Graphics
Introduction to Game Development
Artificial Intelligence
Advanced Game Development
Animation for Computer Games

COMPUTER SYSTEMS OPTION

Provides a structured program in both computer software and computer hardware. A knowledge of the various aspects of digital hardware, and of interfaces between the computer and the input and output devices which connect it to the world, will enable graduates to co-operate with computer engineers in the development of new hardware and related software.

Sample courses include:

Introduction to Real-Time Systems
VLSI Design
Computer Architecture
Digital System Design
Basic Circuit Analysis
Technical Writing and Communication
Applied Ordinary Differential Equation

INFORMATION SYSTEMS OPTION

Provides exposure to basic concepts and procedures in accounting, finance, management information systems, management and marketing. Students gain an appreciation of the types of information processing used in business, and of the problems unique to the business world. Graduates use the computer intelligently as a tool to solve the numerous information problems of the commercial environment, and to aid in corporate decision making.

Sample courses include:

Contemporary Business Thinking
 Organization Behaviour and Theory
 Production and Operations Management
 Marketing Management
 Introduction to Finance
 Introduction to Microeconomics
 E-Business Systems

SOFTWARE SYSTEMS OPTION

This option prepares students to design, develop and maintain large-scale software systems. Compilers, operating systems, database management systems, communication software and expert systems are examples of large-scale software systems.

Graduates have experience developing system software and application software. They will have worked individually and as members of teams in moderate-to-large-scale software.

Sample courses include:

Computer Architecture
 Databases
 Elementary Numerical Methods
 Data Communication and Computer Networks
 Design and Analysis of Algorithms
 Parallel Programming
 Compiler Design

WEB SERVICES AND APPLICATIONS OPTION

Deals with the analysis, design and implementation of services and applications delivered over the web.

Sample courses include:

Databases
 Data Communication and Computer Networks
 Information Retrieval and Web Search
 Introduction to Web Applications
 Web-based Enterprise Application Design
 Distributed Systems
 Web Services and Applications

Graduates are qualified to:

- design and create new software, and modify and test existing software used in a broad range of businesses and industries;
- devise new and more efficient algorithms and techniques;
- analyse and develop computer solutions to meet clients' information processing, database and computation needs;
- plan and implement computer security systems for database access control;
- provide technical support for sales functions requiring specialized knowledge;
- advise clients on their computing needs or provide support in the development of the software and hardware;
- make decisions involving people, materials and money where knowledge of both computer software and hardware is essential.

Graduates may find careers in a wide variety of sectors including health care, communications, manufacturing, banking, retail, as well as the aeronautical, automotive, electrical and entertainment industries. Our graduates have been hired by IBM, Matrox, Nortel Networks and Ubisoft.

FACULTY OF FINE ARTS

Contact Us finearts.concordia.ca

Student Affairs Office

T: 514-848-2424 ext. 4612 or 4613

F: 514-848-7959

studyfinearts@concordia.ca

Faculty of Fine Arts

1515 Ste. Catherine St. W., EV 2.705

Montreal, Quebec H3G 2W1

BFA Degree Requirements

A BFA degree requires completion of a minimum of 90 credits, but may require 108 or 120, depending on the applicant's academic background.

A BFA degree will be composed of the following elements:

- 1) The requirements of the chosen Major or Specialization which range from 48 to 66 credits.

Applicants may, but are not obligated to, add Minor from another field to their Major or Specialization. Minors are normally 24 to 30 credits. Students who choose to add a minor may be required to complete more than their stipulated 90 (or 108 or 120) credits.

- 2) All BFA students are required to complete FFAR 250 which is a 6 credit survey course of the visual and performing arts in Canada.
- 3) All BFA students are required to satisfy a general education requirement accomplished by completing 6 credits from course offerings **outside** of the Faculty of Fine Arts.
- 4) The credits remaining after adding together the above three elements and subtracting that total from the minimum degree length (90, 108, or 120 credits) are "free" electives selected by the applicant from across the university's total course offerings.

Note:

- Applicants **MUST** meet the additional admission requirements for each program to which they apply. Those who do not meet **ALL** additional requirements will not be considered for admission.
- Applicants **MUST** apply for admission online at connect2concordia.ca before submitting a portfolio.
- The University will be **CLOSED** on Friday, February 24, 2012. It will **NOT** be possible to submit portfolios in person or by courier on that day.

ART EDUCATION

art-education.concordia.ca

The Department offers programs of professional training and development in art teaching. Art education aims to develop the student as artist, art teacher and art education researcher. The process centres on understanding and empowerment through making and responding to art which reflects the socio-cultural and historical context in which we live. Employment prospects in public school teaching should continue to be very good over the next several years, as Quebec and several other Canadian provinces continue to experience a shortage of certified teachers in most subject areas.

Art Education

→ See Portfolio Requirements: Page 43

Specialization in Art Education — Visual Arts — 120 credits

A four-year program (or five years for students in the Mature Entry Program or Extended Credit Program) leading to teacher certification as an elementary and secondary school art specialist, the Specialization conforms to the Quebec Ministry of Education requirements for an extended teaching practicum and preparation in visual arts, and is designed for students interested in a career as an art teacher at the elementary or secondary level in public or private schools.

Students are initially admitted to the Major in Art Education, and may apply to transfer to the Specialization upon successful completion of 60 credits in the Major in Art Education. Transfer requests are assessed based on an evaluation of the applicant's suitability for school-based teaching (grades, a letter of intent, two letters of reference, a 70-hour internship and an interview). The Department normally requires a B- average or better from students wishing to transfer to the Specialization.

To be recommended to the Quebec Teachers Certification Service for a Quebec permanent teaching diploma, students must satisfy the English language proficiency requirements of the program.

Major in Art Education — Visual Arts — 66 credits

Designed for students who plan to teach the visual arts in a non-school or alternative teaching situation. Students are introduced to the fundamentals of the field of art education and in their final year focus on their professional practice and performance as community art educators in settings such as community centres, adult education programs, recreation programs and museums.

Minor in Art Education — Visual Arts — 24 credits

Designed to give students familiarity and ability with the basics of the theory and practice of community art education, it may be particularly useful to visual artists who anticipate that some project-based teaching work will supplement their studio practice.

Sample courses include:

Multi-disciplinary approaches to art and teaching
 Practicum: observation and analysis of children's learning*
 Art education for adolescents and adults*
 Art education in the secondary school**
 Community art education: theory and practice
 Professional practice for art educators

* Major and Specialization only

** Specialization only

Art Education — Additional Requirements

- portfolio
- letter of intent
- photocopy of most recent academic record(s)

Portfolio Submission Deadline: March 1

* Applicants must apply online at connect2.concordia.ca before submitting a portfolio.

The portfolio should:

- consist of approximately 20 pieces of personally conceived 2D and 3D work of an imaginative and visually explorative nature;
- demonstrate both technical skills and conceptual development;
- be numbered and labelled individually with the applicant's name, title of the work, date of completion, size of work and medium(s) used;
- include a summary list of contents indicating the applicant's name, title of the work, date of completion, size of work and medium(s) used;
- clearly define the applicant's role in the case of collective or collaborative projects;
- be presented in a sturdy folder with works flat and unframed, and with 3D or large works (over 20" x 24") presented as photographs or digital images.

The letter of intent must:

- describe the applicant's reasons for applying to the Art Education program;
- outline the applicant's academic background and any relevant professional and/or volunteer experience;
- explain what the applicant hopes to learn over the course of his/her undergraduate degree.

Portfolio Retrieval

- Applicants must make arrangements to ensure the return of their portfolio at their own expense by August 31.
- Mailed portfolios must include a self-addressed stamped envelope or a prepaid courier invoice which fully covers the cost for return.
- Applicants may pick up their portfolios at the Department once they have received their official response from the University. The Department reserves the right to discard any portfolios not picked up by August 31.

Send Portfolio to:

Concordia University
Department of Art Education
1515 Ste. Catherine St. West (EV 2.635)
Montreal, Quebec H3G 2W1
T: 514-848-2424 ext. 4646
art-education.concordia.ca

ART HISTORY

art-history.concordia.ca

Art History is more than art appreciation; it is a lively, at times controversial, discipline that invites investigation into the roles played by intellectual, cultural, political, social and economic factors in defining the work of art and its reception. Students develop a valuable perspective on their own work and on contemporary visual culture.

Students are encouraged to explore history, literature, philosophy, religion, sociology, and anthropology, and are strongly advised to study languages appropriate to their interests. Graduates find a future in a variety of fields: museums and galleries, archives and libraries, conservation, education, journalism and research.

Art History

Major in Art History — 66 credits

Minor in Art History — 30 credits

Provides students with a solid but individualized foundation in the critical issues involved in a full understanding of the work of art.

Art History and Film Studies

Major in Art History and Film Studies — 60 credits

Students develop an interdisciplinary knowledge and understanding of the visual and audio-visual arts, as well as the critical and theoretical discourses pertaining to each discipline. Emphasis is placed on a historical and contextual analysis of art and film from a variety of social, cultural, political and critical perspectives.

Art History and Studio Art

→ See **Portfolio Requirements: Pages 55-56**

Major in Art History and Studio Art — 60 credits

Minor in Art History and Studio Art — 30 credits (may be suspended for 2012-13)

Encourages the cross-referencing of different creative traditions within a solid historical, theoretical and studio foundation. Its primary objective is to give students the choice to define their own needs in tailoring an individualized program of studies within open yet distinct parameters in the studio arts and art history disciplines.

Co-op Program

Students in the Major in Art History may apply to do their studies within the Co-operative format, which alternates off-campus work terms with on-campus study terms.

Sample courses include:

- Perspectives and Methods of Art History
- Media-based studies
- Art in Canada
- Period studies
- Theory and criticism
- Art and society

Art History and Studio Art — Additional Requirements

There are no additional requirements for admission to the Major/Minor in Art History or the Major in Art History and Film Studies.

For the Major in Art History and Studio Art, see the Additional Requirements for Studio Art programs (pages 55-56).

CINEMA — MEL HOPPENHEIM SCHOOL OF CINEMA

cinema.concordia.ca

Concordia's Cinema programs are distinguished from many others by the fact that they are housed in the Faculty of Fine Arts and thus approach their subject matter primarily as a means of artistic expression. Consequently, a central aim of these programs is to prepare students to become filmmakers, film animators or film historians/critics who have a two-fold awareness: the artistic and cultural potential of the medium, and its history and traditions.

Cinema programs are oriented towards art and culture. However, it should be noted that students are also educated in the technical aspects of filmmaking as well as in industry and commerce contexts. The programs attempt to strike a balance between the practical and the purely creative aspects of cinema, just as they seek to achieve a balance between social and aesthetic concerns.

Film Animation

→ See Portfolio Requirements: Page 46

Major in Film Animation — 60 credits

Minor in Film Animation — 30 credits

Designed to teach the full process of film animation including theory and practice, the program offers a thorough grounding in the art and technique of frame-by-frame filmmaking. Students are encouraged to develop their own creative potential and to select, from an ever-widening range of animation methods, the style most suitable for their own personal expression. Students are also encouraged to complete elective courses in the Faculty of Fine Arts in order to develop their abilities in the areas of design, drawing and painting.

Film Production

→ See Portfolio Requirements: Page 46

Specialization in Film Production — 66 credits

The Specialization is offered only at the third-year level. Students in the Major may apply to transfer to the Specialization in their third year. It is strongly recommended that students in the Specialization have, or acquire, knowledge of French.

Major in Film Production — 54 credits

Intended for students with a mature outlook, who possess knowledge of visual arts culture and an ability to articulate their ideas about film as an independent art form. This program provides students with multiple perspectives on the aesthetics of cinema. It offers comprehensive knowledge of the mechanics involved in producing moving images. Film is viewed as a method of artistic expression and students are encouraged to explore the various cinematic techniques which will give shape to their ideas. The program includes composite filmmaking courses, technical aspects classes, as well as seminars that explore the process and artistic practice of filmmaking. All genres are explored and supported.

Film Studies

Specialization in Film Studies — 66 credits

Admission to the Specialization is not offered in the first year. Students in the Major may apply to transfer to the Specialization after completing specific first-year courses.

Major in Film Studies — 48 credits

Major in Art History and Film Studies — 60 credits

Minor in Film Studies — 24 credits

Students learn to analyse films in order to develop a better understanding of them and their relation to cinema history and society. Courses examine cinema as one of the most important arts while exploring its social and political roles.

Three screening rooms are equipped with 16mm and 35mm projection, and weekly screenings in courses and seminars use these formats whenever possible, together with close analysis in digital formats.

Sample courses include:

Film Animation

Animation, digital 3d animation
Analytical drawing
Technical aspects of animated filmmaking
History of animated film
Character animation
From idea to storyboard
Sound for animated film

Film Production

Filmmaking: documentary, experimental, fiction
Image
Sound
Montage
Acting and directing for the screen
Writing for film
Introduction to producing

Film Studies

Film aesthetics
History of film to 1959
Studies in film directors
Le cinéma québécois
Experimental film
Women and film
Aspects of national cinemas
Studies in film genres

Equipment and Costs

The following equipment is available at the appropriate stage of progress in film courses: Bolex 16mm cameras, Arriflex SR 16mm cameras, sync and non-sync 35mm cameras, Steenbeck editing equipment, lighting equipment, fluid head tripods. Digital HD cameras, Avid editing suites. Oxberry animation stands, optical printers, and an Animation lab for digital projects. State-of-the-art digital recording and mixing in a Protocols environment are provided for sound classes and third-year projects.

Students enrolled in Film Animation and Film Production programs must bear the cost of film stock, processing, printing and material. Depending on the project, Film Production students can expect to spend \$1,000 – \$2,000 in a first-year filmmaking course and \$1,500 – \$5,000 in a second- or third-year course. For select second- and third-year projects, the School offers small grants to offset some production costs. Animation students must pay a laboratory fee. Other specialized fees may apply.

Mel Hoppenheim School of Cinema — Additional Requirements

► Film Animation and Film Production

- portfolio
- letter of intent
- School of Cinema Admission Evaluation Form
- photocopy of most recent academic record(s)

Portfolio Submission Deadline: March 1

* Applicants must apply online at connect2.concordia.ca before submitting a portfolio.

General Guidelines

Applicants to both the Film Production and Film Animation programs (Major and/or Minor) must submit separate portfolios and letters of intent for each program.

In the case of collective or collaborative projects, applicants must **clearly** define their role within the production.

The Department will retain written material submitted by applicants, including transcripts, letter of intent and creative writing. Applicants are strongly encouraged to make and retain copies of all material submitted.

Film Animation Portfolio:

- Should contain a diverse and representative collection of the applicant's artwork which demonstrates the applicant's personal creative activity and reflects his/her level of maturity and understanding of fine arts practices.
- Should include such items as drawings (life drawings recommended), films (see below), sculpture, complete sketchbooks, paintings, photography, fibres, ceramics or any other personal artwork.
- Candidates should submit only their best artwork (10-20 items).
- Large-scale works (greater than 20" x 24") must be submitted in photograph format.
- Films should be submitted in a digital format, on CD or DVD. The admission jury will only view work in standard Quicktime, AVI or JPEG file formats.
- It is recommended that the portfolio demonstrate familiarity with Adobe Photoshop or other relevant software.

Film Production Portfolio:

Applicants are encouraged to submit work, especially moving image work, which reflects their originality. Although it is advantageous to submit examples of creative film work, applicants may submit examples of their creative work from up to three of the following categories: film, music, photography, poetry, prose, scriptwriting, video, visual arts (such as painting, sculpture, drawing).

Creative writing may be submitted but should be limited to a total of five typewritten pages.

Photographers may submit 10–20 photographic slides or prints. Slides should be presented in sleeves; photographs should be unframed and unmounted and not exceed 8 1/2" x 11" including matting (matting is optional).

Visual material (such as paintings, drawings, sculptures) may be submitted in digital format on DVD or CD-ROM, or in print format.

Video submissions should be submitted on DVD (NTSC, PAL or SECAM) and should not exceed six minutes total running time. If the submission is a section of a longer video, it should be excerpted or be sent with specific instructions on the viewing start time (otherwise the selection committee will view only the first six minutes). Video material submitted in formats other than DVD will not be considered. AVI, QT or other files may fail on playback and material linked to websites is discouraged due to unreliable links or failure on playback.

The submission should be accompanied by a statement clearly explaining the applicant's role in the production of the material or the context in which the project was produced and how the material reflects the applicant's aesthetic approach.

The letter of Intent must:

- be approximately 500 words long, written in either English or French;
- indicate the applicant's reasons for applying to the School of Cinema, as well as his/her expectations of the program;
- describe the applicant's past achievements and short- and long-term goals as they relate to the area of cinema.

Admissions Evaluation Form

The evaluation form must be completed and submitted with the portfolio. If applying to multiple programs within the School of Cinema, applicants must list and rank their choice of programs on the form. A copy may be obtained from the School or downloaded from cinema.concordia.ca/forms.

Academic Records

These should include, where applicable, high school, community college, Cegep and university transcripts. This is a student copy of the transcript(s), not the official copy sent to the Application Centre.

Portfolio Retrieval

All applicants may pick up their portfolios at the School beginning June 1. Unclaimed portfolios will be discarded in early fall.

► Film Studies

There are no additional requirements for admission to the Major or Minor in Film Studies or to the Major in Art History and Film Studies.

Send Portfolio to:
Concordia University
Mel Hoppenheim School of Cinema
1250 Guy St. (FB 319)
Montreal, Quebec H3H 2T4
T: 514-848-2424 ext. 4666
F: 514-848-4255
cinema.concordia.ca

INTERDISCIPLINARY STUDIES IN SEXUALITY

cinema.concordia.ca/sexuality

Minor in Interdisciplinary Studies in Sexuality — 27 credits

An innovative interdisciplinary program offered jointly by the Faculty of Fine Arts and the Faculty of Arts and Science, it draws on disciplines as varied as anthropology, art history, cultural studies, film studies, fine arts, history, literature, philosophy, psychology, religion, sociology, and women's studies in order to investigate empirical, theoretical, and creative aspects of sexuality. Minors must be combined with a Major or Specialization program.

Sample courses include:

HIV/AIDS: Cultural, Social and Scientific Aspects of the Pandemic
Gender and Sexuality: Contemporary Literature and Theory
Social Construction of Sexuality
Sexual Representation in Cinema
Introduction to Sexuality Research
Queer Theory

Queer Cinema
Sexuality and Human Relations
Sexuality in the History of Religions
Queer Feminism

Contact

Tom Waugh, Program Coordinator
T: 514-848-2424 ext. 4654
waugh@alcor.concordia.ca

Frances Shaver
T: 514-848-2424 ext. 2168
shaver@alcor.concordia.ca

CONTEMPORARY DANCE

dance.concordia.ca

Contemporary dance is the exploration of the total movement potential of the body. Seeking to express a personalized vision, often through experimentation and collaboration, it differs from ballet, jazz dance, modern jazz and jazz ballet in that it is not concerned with a defined style but with the development of new, more individualized approaches to the moving body and choreographic possibilities.

Program

→ See Audition Requirements: Page 47

Major in Contemporary Dance — 60 credits

Emphasizing the discovery and development of the creative capacity and the technical potential of the individual student, the program seeks to develop choreographers with experience in performance. Students applying should have at least two years of experience in contemporary dance. The program is unique in its focus on choreography and the creative process supported by solid technical training. Performance is a crucial element in the program, and students are actively encouraged to collaborate, perform or to stage their own choreographies.

Sample courses include:

Creative Process
Technique
Choreography

Sound and Silence for the Dancer
Practical Anatomy for the Moving Body
Dance Traditions

Facilities

Classes are held in new high-quality teaching and performance spaces in the Molson Building on the Sir George Williams Campus. There are three dance studios with sprung floors, video-recording equipment, and state-of-the-art projection and integrated sound systems. The large dance studio has a full lighting grid and can serve as a black box.

Contemporary Dance — Additional Requirements

- pre-audition questionnaire
- interview
- audition

Pre-Audition Questionnaire Deadline: March 1
* Applicants must apply online at connect2.concordia.ca before submitting the Questionnaire.

Pre-Audition Questionnaire

Available at dance.concordia.ca

It is the applicant's responsibility to complete and submit the Pre-Audition Questionnaire online before March 1. In the Questionnaire, applicants will be asked to select an in-person audition/interview date. Audition by video is available for out-of-town applicants (see below).

Interview

Candidates will be asked questions about their background, training, and reasons for wanting to enrol in the program. A list of questions and suggestions is available through the Department.

Audition

Auditions will be held in April.

The in-person audition consists of:

- a warm-up/contemporary technique class,
- an improvisation session,
- and a two- to three-minute choreography prepared in advance, created and performed, by the candidate.

If an applicant is unable to appear for the audition in person due to a geographical, financial or other justified reason, the Department will accept an audition by video (standard VHS, Mini DV, or DVD format).

Video audition consists of:

- 20 minutes of contemporary or modern style class work, showing the progression of class, a short improvisation,
- a two- to three-minute piece choreographed and performed by the candidate, representing the candidate's personal choreographic expression, creativity and sense of structure.

Concordia University
Department of Contemporary Dance
1550 De Maisonneuve West (GM 500-00)
Montreal, Quebec H3G 1N2
T: 514-848-2424, ext. 4559 or 4555
F: 514-848-3155
dance.concordia.ca

DESIGN AND COMPUTATION ARTS

design.concordia.ca

The Department offers programs that examine the broad vision and culture of design within contemporary society. Digital technologies are integrated into the creative process to enhance strategies for communication, application, representation and dissemination.

Design

→ See **Portfolio Requirements: Page 49**

Major in Design — 72 credits

Takes an integrative approach to design research and practice across the areas of visual communication, the built environment, and interaction design, with sustainability as its overarching theme. Students acquire a strong foundation in image- and object-making as well as screen-based design, and then specialize according to their interests and abilities. In both the theoretical and practical aspects of the program, the curriculum integrates conceptual experimentation in design with social ecologically oriented and collaborative productions, to underscore designers' roles as cultural mediators in conjunction with producers and the public at large.

Sample courses include:

- Integrative design research
- Interpretative public spaces
- Print meaning and process
- Ecology and 3D design
- Discursive design I

Computation Arts

→ See **Portfolio Requirements: Page 49**

Challenges students to re-imagine objects, narratives and environments through the use of emerging digital technologies and prepares students to pursue careers as designers, artists and researchers in a variety of innovative creative industries. The program provides students with a rich foundation in creative work at the intersection of design, art and technology, and guides students in developing media that is aesthetically engaging, conceptually provocative, and technically sophisticated. The program examines how digital media get meaning and seeks to understand how cultural assumptions inform design. The approach emphasizes an awareness of cultural and political implications of a society that is increasingly wired and networked together.

Specialization in Computation Arts — 60 credits

Intended for students who are interested in pursuing in-depth studies into the design of digital media with an emphasis on design elements rather than computation elements. The program focuses on design for multimedia, the web and interactive environments and provides a course of study which emphasizes three principal areas of creative production: image, sound and virtual dimension.

Major in Computation Arts — 45 credits

Combines two core curricula: computer science and the digital media component of design art. Graduates are technically adept in programming, algorithm design and computational theory, and are creatively skilled in image, sound and virtual dimension design. The Major must be taken in combination with the Option in Computer Applications offered by The Department of Computer Science.

Minor in Computation Arts — 24 credits

Provides students from other departments with the opportunity to explore digital media design and the use of computation for creative expression.

Sample courses include:

- Creative computing and network culture
- Visual form and communication
- New media theory
- Digital texts and typography
- Tangible media and physical computing
- 3D digital production

Design and Computation Arts — Additional Requirements

- portfolio
- letter of intent
- photocopy of most recent academic record(s)
- letter of reference (optional)
- resumé/curriculum vitae (optional)

Portfolio Submission Deadline: March 1

* Applicants must apply online at connect2.concordia.ca before submitting a portfolio.

Portfolio

A maximum of 15 pieces of work from the following three categories:

1. Multimedia

- Digital or interactive media: 2D image modelling, 3D modelling and animation, interactive work such as Flash, Processing, Max, sound or original music, games
- Digital or interactive media that highlights programming or scripting, hardware/electronics, software/technical skill

2. Two-Dimensional

- Still Images: graphic design, painting, drawing, photography, typography, print media/printmaking, posters, technical and/or expressive drawing, visual poetry and/or creative writing
- Moving Images: including film, video, animation

3. Three-Dimensional

3D object: sculpture, furniture, mixed media objects, clothing, fibres design, body wearables, models and maquettes, ceramics, moldmaking

Applicants to Design are expected to submit a range of work. An ideal portfolio would include work from each of the categories. Applicants who cannot submit a range of work should address this in their letter of intent.

Applicants to Computation Arts should focus their portfolio on digital and interactive media work, although work from the other categories will be considered. Applicants are encouraged to include work which demonstrates programming, scripting and/or electronics, regardless of whether the work is media-based.

The letter of intent should:

- address the applicant's reasons for applying to the program and summarize the applicant's studio/academic/work experience, goals;
- summarize the applicant's level of digital software skills, image- and object-making education/experience;
- summarize the applicant's understanding of the nature and goals of the program (Design and/or Computation Arts) to which they are applying;
- be no longer than one page, written in English or French with attention to grammar, punctuation and quality of writing.

Academic Records

These should include, where applicable, high school, community college, Cegep and university transcripts. This is a student copy of the transcript(s), not the official copy sent to the Application Centre.

Letter of Reference (optional)

Applicants may include letters of reference from teachers and/or employers. Students who have taken courses within the Department of Design and Computation Arts prior to this application should request letters of reference from their instructor(s).

Resumé/Curriculum Vitae (optional)

Applicants may include a resumé/curriculum vitae.

General Guidelines

- Works larger than 20" x 24" must be presented as slides, photographs or on CD-ROM.
- DVDs and USB keys are accepted.
- Websites or HTML-based work must be burned to CD-ROM to avoid connection or server faults and long download times.
- CD-ROMs must clearly indicate which operating system (Mac or PC only) they require.
- Do not put paper labels on CDs or DVDs. Use a permanent marker to label your disks.
- Work submitted on CD or DVD must be accessible via an index HTML page or otherwise organized for easy, fast viewing.
- Websites or HTML-based portfolios must include a clearly visible HTML index page.
- Each work must be clearly numbered and labelled with the applicant's name, the title of the work, the date of completion, the size of work, and the medium(s) used.
- In the case of collective or collaborative projects, applicants must **clearly** define their contribution to the project.
- An index must be included of all material submitted for review.
- Applicants may construct their own innovative portfolio packaging/container, but all works must be secured within the container and consideration should be given to easy access, review and storage.
- Acceptable portfolio size is 18" x 24" or smaller.
- Mailed portfolios may be condensed in format, weight and size, and packaged for easy shipment.

The Department reserves the right to refuse any portfolios that do not conform to the guidelines.

Portfolio Retrieval

Applicants who wish to have their portfolios returned may:

- arrange for the return of their portfolio by including a self-addressed stamped envelope or a prepaid courier invoice which fully covers the cost for return

or

- pick up their portfolios in person from the Department between April 15 and October 31 of the application year.

The Department will discard any unclaimed portfolios.

Send Portfolio to:

Concordia University
Department of Design and Computation Arts
1515 Ste. Catherine St. West (EV 6.761)
Montreal, Quebec H3G 2W1
T: 514-848-2424 ext. 4626
design.concordia.ca

MUSIC

music.concordia.ca

The Department fosters a rich environment for students from diverse backgrounds to perform, compose and improvise in different languages including jazz, classical and electroacoustics. The focus on contemporary music is informed by a diversity of historical styles and genres studied through analysis, history and performance.

Course structures are built around lectures, workshops, studios, private study, ensembles, tutorials and practice sessions. All students are initially accepted into either the Major in Integrative Music Studies or the Major in Electroacoustic Studies. Following successful completion of the first-year core courses, students in the Major in Integrative Music Studies may apply for transfer into one of the Specializations.

Electroacoustic Studies

→ See Portfolio Requirements: Page 51

Major in Electroacoustic Studies — 48 credits

Minor in Electroacoustic Studies — 24 credits

Designed to provide students from a variety of backgrounds with a strong core of fundamental auditory, listening and sonic creativity skills allowing them to pursue work and studies in electroacoustic composition, sound design and recording. Multiple opportunities and support are provided for solo creative and interdisciplinary collaborative work in areas as diverse as film and video sound, sound design for video games, sound design for theatre, performance and interactive projects with dance and the visual arts, performance art and installations. Graduates have gone on to graduate studies in composition and recording, and work in the music/media/sound design/film and video sound industries in Montreal and around the world.

Integrative Music Studies

→ See Audition Requirements: Page 51

Major in Integrative Music Studies — 54 credits

Particularly suited to individuals who wish to study a wide range of music disciplines, this program provides the opportunity for both flexibility and depth of study. First-year courses may include Theory/Aural Training, Private Study, Music History, Music electives and general electives.

The balance of the Major consists of credits in Music Composition, Aural Perception, Music History, Choir, additional music electives and elective courses from other Faculties. Music electives may be selected from performance courses in both jazz and classical areas, as well as courses in theory, arranging and composition, including electroacoustics and music technology, and music history.

Minor in Music — 24 credits

This program is particularly attractive to students from cognate disciplines — theatre, dance, communications, interdisciplinary studies, and others who have a particular desire to extend their musical knowledge and skills for personal growth and development.

Specializations

Following successful completion of the first-year core courses, students in the Major in Integrative Music Studies may apply to transfer into one of the following Specializations:

Specialization in Jazz Studies — 66 credits

Jazz tradition and culture lies at the centre of this Specialization offering courses in jazz language, jazz harmony, arranging, composition and jazz history. Performance in ensembles ranging from big band to combos (instrumental and vocal) is supported by private study in all jazz-related instruments and voice. The Department produces some 20 jazz concerts per year.

Specialization in Music Composition — 66 credits

The development of compositional knowledge and skills for writing concert or other contemporary music are supported by the study of relevant topics in music theory and in composition seminars. Whenever possible, compositions are performed in workshops or concert settings.

Specialization in Music Performance Studies — 66 credits

The development of performance skills as soloist and ensemble performer of Western European art music is provided by private study, ensembles, and repertoire courses, and is aided by the study of history and theory. Public performance is required.

Sample courses include:

Electroacoustic Studies

Digital Audio Editing
Analog Studio Techniques
Electroacoustic Composition

Integrative Music Studies

Melody and Counterpoint
Music Composition
Jazz Arranging
Jazz Ensemble
Jazz Improvisation
Private Study

Facilities

Courses are given in new state-of-the-art facilities in the Molson Building on the Sir George Williams Campus. Designed specifically for the Department's needs by an acoustician, the spaces include smart classrooms and studios with networked multimedia, mixing and playback capabilities, a recording room, octophonic studio, keyboard lab and soundproofed practice modules.

More than 100 concerts and presentations take place each year (along with numerous seminars and master classes) in the acoustically and visually spectacular Oscar Peterson Concert Hall on the Loyola Campus. The hall seats 600 people and boasts a multi-track and digital recording studio. It is a premier venue for student and faculty presentations, internationally acclaimed jazz, classical and electroacoustics concerts, broadcasts, and numerous CD recordings.

Performing Groups

Jazz Ensembles

Every year jazz ensembles — big band, combos, guitar ensembles, jazz choir, small combos and jazz vocal repertoire classes — present concerts drawn from the jazz repertoire and newly composed works. Concerts by jazz improvisation classes and special projects are also presented in the Oscar Peterson Concert Hall.

Chamber Ensembles

Each year students perform a number of chamber music concerts related to the chamber music courses offered by the Department from all periods for voice and instruments: duos, trios and large chamber groups.

Vocal Studies

Concerts are given regularly by vocal students with works drawn from Western European art music, operatic and jazz vocal repertoire traditions.

University Choir

There are two university choirs. Both the large choir and the chamber choir perform several concerts each year with repertoire drawn from the 16th to 21st centuries. On occasion, these are presented with the University Orchestra. This choir encourages entry of all members of the Concordia community (students, faculty and staff) as well as the general public. An audition may be required to establish fundamental qualifications.

Readings and Concerts of Jazz and Composition Students

There are informal readings and annual concerts of works by Concordia students in both the jazz and composition areas.

Electroacoustics Concerts

For more than 25 years, and with more than 300 concerts produced, Concordia has been nationally noted for the quality and diversity of its electroacoustics presentations. These include works by Canadian and international composers as well as young and emerging sound artists using an 18 channel sound projection system.

Music — Additional Requirements

To book auditions and for detailed information regarding application procedures and supplemental requirements, visit music.concordia.ca.

Portfolio Submission / Booking

Deadline: March 1

*** Applicants must apply online at connect2.concordia.ca before submitting a portfolio or booking an audition or test.**

► Electroacoustic Studies

- portfolio
- electroacoustic information sheet

Portfolio should:

- contain recordings representative of the applicant's sound artwork;
- present electroacoustic or sonically oriented compositions/art that demonstrate the applicant's connection to the manipulation of sounds and sound object creation as well as his/her breadth and depth of interest in the field of electroacoustics;
- be submitted with clear explanations on a separate sheet about the hardware/software used, the recording process and the applicant's role in it (if collaborative).

Electroacoustic Information Sheet

- The form is available at music.concordia.ca.
- The form must be included in the portfolio.
- Applicants should pay extra attention to the *letter of intent* section regarding their interest and motivation to succeed in this program.

► Integrative Music Studies

- interview/audition
- theory test
- two ear-training tests: dictation and sight reading

It is the applicant's responsibility to book the audition and test appointments at music.concordia.ca before **March 1**.

Audition

Applicants must perform two works of differing character to display their range of performance skills. Performers requiring accompaniment must arrange for their own accompanist. Sight reading will be included in the audition. Composers/arrangers must send scores and/or tapes to the Music Department prior to the audition. For details: music.concordia.ca.

Theory/Ear-Training Tests

All applicants are required to write theory/ear-training placement tests to demonstrate solid knowledge of music fundamentals. Exemptions from some courses may be granted based on the results of the test. Applicants to the Minor in Music are not required to audition but must write the theory/ear-training tests.

Concordia University
Department of Music
1550 De Maisonneuve Blvd. West (GM 500)
Montreal, Quebec H3G 1N2
T: 514-848-2424 ext. 4555 or 4559
music.concordia.ca

STUDIO ARTS

studio-arts.concordia.ca

Studio Arts is the largest department in the Faculty of Fine Arts, with a long-standing reputation as one of Canada's foremost environments for the study of visual art. Students can complete a BFA Major in one of the Department's seven disciplines (Ceramics, Fibres, Intermedia/Cyberarts, Painting and Drawing, Photography, Print Media, Sculpture) or take the more general BFA Major in Studio Art program. Introductory, intermediate and advanced courses allow students to develop as far as they wish within a given discipline. Each year, a variety of special topics courses provide the Department with the flexibility to respond immediately to contemporary currents in the art world.

Studio Art

→ See Portfolio Requirements: Pages 55-56

Major in Studio Art — 60 credits

Major in Art History and Studio Art — 60 credits

Minor in art History and Studio Arts — 30 credits (may be suspended in 2012-13)

The Major emphasizes flexibility and interdisciplinarity. Students select their studio credits from any program area, fulfilling graduation requirements either by specializing in the offerings of one area or by combining studio courses from a number of different areas. The Department also offers a series of interdisciplinary studio practice courses that encourage exploration in a range of media. Students must reach the advanced level in at least one discipline in order to graduate.

Sample courses include:

Art History and Art Theory courses

Introductory, intermediate, and advanced studio art or ARTX courses chosen from Ceramics, Fibres, Intermedia/Cyberarts, Painting and Drawing, Photography (limited access), Print Media, and Sculpture

Ceramics

→ See Portfolio Requirements: Pages 55-56

Major in Ceramics — 60 credits

The Ceramics program is the only one of its kind in Quebec and one of five university-level ceramics programs in Canada. The Major emphasizes the link between ceramics as a specialized practice and its broader context within an ever-changing cultural sphere. Traditional techniques such as hand-building, wheel, slip casting, glazing and firing are examined, along with contemporary clay applications such as installations and the integration of digital imagery. Course content involves seminar discussions including the social and ethical roles of the artist, issues related to the current practice of ceramics and other art disciplines, diverse cultural and social contexts relating to the production and circulation of art, and the role of the viewer. Collaborative and cross-disciplinary projects with other programs are encouraged and Special Topic courses are sometimes offered at the intermediate and advanced levels. Advanced students explore personal approaches that meet their special interests, and develop a unique body of work. Field trips, visiting artists and student exhibitions add to the vitality of the program.

Facilities

Gas and electric kilns are available for both high and low temperature firing, as well as outdoor facilities for raku and sawdust firings. A glaze formulation/application area and a clay mixing area are provided with a full complement of basic materials such as stoneware, porcelain and earthenware. A well-stocked glaze material inventory assures access to an unlimited range of surfaces/finishes, including digital imaging processes. A technician is available to help students with technical problems.

Sample courses include:

Ceramics (introductory, intermediate and advanced levels)

History of Ceramics and Aspects of the History of Ceramics

Art History and Art Theory courses

Studio art courses chosen from disciplines such as Fibres, Intermedia/Cyberarts, Painting and Drawing, Photography (limited access), Print Media and Sculpture

Fibres

→ See Portfolio Requirements: Pages 55-56

Major in Fibres — 60 credits

The Fibres program allows for a rigorous and comprehensive study of the technical, conceptual and creative aspects of contemporary art and textile production. Interdisciplinary in nature, the Fibres program encourages a cross-fertilization of ideas, techniques and technologies. The rich history and tradition of fibres serves as a starting point from which to examine the medium in the contemporary art milieu.

Students work in a broad range of fibre structure processes including hand construction, loom and off-loom woven structures and experimental approaches to textile and fibre art. Classes are small to promote personal expression and critical discussion and the open studio format supports the development of each student's body of work. Students are encouraged to pursue special interests and to further their understanding of the philosophy and historical tradition of the medium.

Printing and Dyeing Textile courses examine a wide range of approaches to textile surface treatment including silk-screen printing, relief printing, discharge and resist dyeing, fabric constructions and embellishment. A component of advanced courses deals with digital media for textile design and rendering form. The emphasis is on creative and exploratory approaches to technique, and the use of materials as a medium of expression.

Facilities

Fibres Structures Studio: Drum carders, spinning wheels, a needle felting machine, several 4-8-12 harness looms, a 24 harness AVL Dobby loom with Compu-dobby and a double bed electronic knitting machine.

Printing and Dyeing Studio: Two 8 metre printing tables with registration rails, a light table, a heat transfer machine, screen coating/drying/exposing/reclaiming equipment, a well-stocked dye lab equipped with natural gas burners as well as a highly ventilated wax room for surface applications. A darkroom is also accessible.

Paper-Making Studio: Two 2lb capacity Hollander beaters, two hydropulpers, a vacuum table, a hydraulic press and two sheet dryers.

Computer Lab: Equipped with Macs and a PC running specialized software for textile design, a scanner, three printers including an Epson Stylus Pro 4880 dedicated to dye sublimation.

Fibres students also have access to several industrial and electronic sewing machines including a machine for digital embroidery.

Sample courses include:

Fibre structures

Textile printing and dyeing

History of Textile Art and Aspects of the History of Textile Art

Art History and Art Theory courses

Studio art courses chosen from disciplines such as Ceramics, Intermedia/Cyberarts, Painting and Drawing, Photography (limited access), Print Media and Sculpture

Intermedia/Cyberarts

→ See Portfolio Requirements: Pages 55-56

Major in Intermedia/Cyberarts — 60 credits

Designed to allow students to combine studies in media arts, new technologies, interdisciplinary practices and performance art. Students may choose from a range of courses in video, electronic arts and/or intermedia/performance, either focusing on a single stream or selectively combining from different streams. The program encourages cross-pollination between traditional disciplines/media and new forms of artistic expression using technology and integrated media.

Facilities

The Intermedia/Cyberarts facilities include a Hybrid Lab — a teaching space designed to accommodate courses in Digital and Electronic Arts. This lab is a combination of a computer lab, a teaching classroom, an interactivity studio and an electronics workshop. Complementary equipment such as MIDI keyboards and sound devices, sensors, interfaces, micro-controller programmers, lighting dimmers, video cameras, motors, pneumatic valves, pistons, and more, is also available. Students may also have access to a dedicated electronics workshop, a multimedia installation space and six smaller studios for working on individual projects in interactive sound and video.

The video area is equipped with seven video and audio edit suites, a production studio with a chroma-key seamless backdrop, a teaching classroom and an equipment depot with a variety of video production equipment.

Sample courses include:

Courses from the areas of Video, Electronics, Performance Art, and Sound

Studio art courses chosen from disciplines such as Ceramics, Fibres, Painting and Drawing, Photography (limited access), Print Media and Sculpture

Painting and Drawing

→ See Portfolio Requirements: Pages 55-56

Major in Painting and Drawing — 60 credits

Intended for students who want a focused and intensified course of study in either medium or both, complemented by a wide range of special topics classes. Using both historical and contemporary examples, painting classes focus on colour, paint application and an exploration of materials, media, and surfaces. Emphasis is on developing an understanding of the formal language of painting and its use in both abstract and figurative modes.

Drawing classes explore gesture, markmaking, notation, the construction of visual space, symbol and narrative. The focus is on observation and invention, with an emphasis on personal language and contemporary idioms. Creativity and originality of expression are encouraged in both painting and drawing courses.

Facilities

Painting and Drawing facilities include brightly lit and well-ventilated teaching studios, Open Painting Studios, the Sean B. Murphy Open Drawing Studio, solvent dispensers, a spray booth and a stretcher-building room.

Sample courses include:

Drawing

Painting

Special topic courses in Painting and Drawing

Studio art courses chosen from disciplines such as Ceramics, Fibres, Intermedia/Cyberarts, Photography (limited access), Print Media and Sculpture

Photography

→ See Portfolio Requirements: Pages 55-56

Major in Photography — 60 credits

Minor in Photography — 30 credits (may be suspended for 2012-13)

These programs approach photography as a discipline with a distinct artistic and historical identity, while recognizing that contemporary photographic practice encompasses a rich multiplicity of formal and conceptual approaches. The program stresses the need for students to acquire the concepts and vocabulary necessary for critical discussion of photographic work, as well as a theoretical understanding of the medium. Emphasis is placed on photography's social, as well as artistic, ramifications. Students work in both analog and digital formats.

Facilities

Photographic facilities include Hi-end computers, a drum scanner, two virtual drum scanners plus negative and flatbed scanners, 44" inkjet printers and other smaller printers. Facilities also include a colour darkroom with 20 colour enlargers, 30" and 40" colour processors and print viewing area, 18 black-and-white enlargers, a large print darkroom and finishing area, and two studios. The facilities also have portable photographic equipment: cameras including digital 4 × 5 and 6 × 7, and accessories including electronic flash kits, soft boxes, tripods, light metres and other items.

Students in the Photography program have access to the Centre for Digital Arts (CDA). The darkrooms and digital areas are accessible Monday to Friday until 10 p.m. and Saturday until 9 p.m. Students should have their own 35mm camera for basic courses.

Sample courses include:

Foundations in Photographic Vision: Theory and Practice I, II
 Black-and-White Photography
 Digital Photography
 Introduction to Contemporary Issues in Photography
 Development of Photographic Traditions
 Studio art courses chosen from disciplines such as Ceramics, Fibres, Intermedia/Cyberarts, Painting and Drawing, Print Media and Sculpture

Print Media

→ See Portfolio Requirements: Pages 55-56

Major in Print Media — 60 credits

Minor in Print Media — 30 credits

Designed to offer in-depth experience in printed images, students focus on contemporary critical issues and the cultural implications of making printed images in a curriculum that combines studio practice with art history, theory, and criticism. Students are encouraged to develop personal content and form through a commitment to the printed image. The intensity of studio practice in the program serves as a foundation for the continuation of a creative and productive artistic life.

Students receive instruction in lithography, intaglio, and screen printing as well as monoprinting, relief, digital imaging, and special topics. Limited class sizes create a climate in which individual development can flourish while fostering interaction and collaboration among students.

Graduates are prepared for work as practising artists or for entry into graduate programs. Students drawn to traditional print processes have been successful in tapping into the growing artisan market by working in community print studios or private ateliers, opening a studio or assisting established artists. Students favouring technology have applied their skills to specialized computer applications or post-graduate education in technical and related fields.

Facilities

Print Media courses are held in fully equipped, spacious and sunlit studios. There are dedicated interconnected studios for lithography, intaglio, screenprinting and digital printing as well as two complementary graphic arts darkrooms.

Lithography studio: Over 120 lithography stones of variable sizes; five presses including two offset; a Vandercook typography press and a selection of monotype and water etch plates.

Intaglio studio: Four large presses; a ferric chloride etching system; rollers and brayers; and etching and engraving tools.

Screenprinting studio: Equipped to print using a UV ink system or a conventional water-based ink system. It contains printing tables; light tables; large format exposure table, vacuum tables and aluminium screens.

Digital lab: Up-to-date Mac workstations; three digital inkjet printers, a laser printer for printing transparencies and a flatbed scanner.

Sample courses include:

Lithography, Screen Printing, Digital Print Processes
 Art History or Art Theory courses
 Studio art courses chosen from disciplines such as Ceramics, Fibres, Intermedia/Cyberarts, Painting and Drawing, Photography (limited access) and Sculpture

Sculpture

→ See Portfolio Requirements: Pages 55-56

Major in Sculpture — 60 credits

The Major offers courses covering a broad range of techniques, materials and concepts. Students are provided the opportunity to develop personal forms of expression through a variety of traditional and contemporary methods. Generally, courses are not based on specific materials or techniques, but are designed to provide broad-based instruction through assignments and self-directed projects. Courses are designed to allow students to work in collective studios addressing current topics of practical and theoretical interest. Courses are offered at beginner, intermediate and advanced levels and instructors are available to assist in structuring aesthetic and technical foundations at each level.

Facilities

Facilities include two large multi-purpose studios set up for 3D work. The display room (White Box) connected to the main studio is intended for student presentations and critiques. Specialized technical areas for metal, wood and mould-making are located in two buildings with state-of-the-art shop equipment. Additionally qualified students may borrow hand tools for use in the general studios.

Sample courses include:

Sculpture
 Art History and Art Theory courses
 Studio art courses chosen from disciplines such as Ceramics, Fibres, Intermedia/Cyberarts, Painting and Drawing, Photography (limited access) and Print Media

Studio Arts — Additional Requirements

Portfolio

A portfolio of artwork for admission to a Studio Arts program should be a collection of your best and most recent work in visual arts. It should represent your individual interests, abilities and explorations. Your portfolio can include original work or digital documentation of work in two and/or three dimensions and time-based formats. Consider visual, conceptual, and technical proficiency in selecting your best and most recent work. Please tailor your portfolio to the specific program to which you are applying.

In addition to your portfolio of artwork, you must also include the following items (to be placed at the front of your portfolio):

- **a Portfolio Information form**

For mail-in portfolios, please print a PDF of the Portfolio Information Form (for either Photography, Studio Arts or IMCA) available on the Studio Arts website (studio-arts.concordia.ca). This form can also be filled out in person at the time of portfolio drop-off.

- **a printed Letter of Intent**

Your letter of intent should be no longer than one page and written in English or French. In general, it should describe your educational background and any relevant experience in art, as well as your expectations in relation to the programs to which you are applying. Please refer to the specific questions that need to be addressed for the different programs.

- **your most recent Transcripts**

A printed **photocopy** of only your most recent academic transcripts is required in addition to any transcripts that you may have already sent to the Admissions Application Centre.

- **your Image List**

A numbered image list should specify the medium, dimensions and date of completion (unless it is a work in progress) for each work.

Portfolio Submission Deadline: March 1

*** Applicants must apply online at connect2.concordia.ca before submitting a portfolio.**

General Portfolio Tips

- Your work should be presented with care, but the presentation should not distract from the work itself. If you are submitting digital images, take the time to document your work properly — your images should be high quality, in focus, well lit, and indicate scale when necessary.
- Do not include anything in the portfolio that is breakable, sharp, or framed.
- Do not glue, staple, or tape your required documents (e.g. portfolio information form, letter of intent) to your portfolio. These documents should be easily located at the front of your portfolio.
- Do not include official or original transcripts, or copies of your birth certificate and Canadian citizenship card in your portfolio — these documents should be sent directly to the Admissions Application Centre.
- It is not necessary to label every individual piece — your image list should contain all relevant information related to your work.

Digital Submissions

- Digital portfolios can be submitted on MAC-compatible CD/DVD or USB flash drive along with a corresponding numbered image list. Please ensure your disk/USB key is easy to navigate and that your files are kept to a manageable size.
- File size is different than image size. Still images should be submitted as numbered JPEG files (e.g. 01_LastName_FirstName, 02_LastName_FirstName) with a resolution size of approximately 1024 x 768, 72 dpi. Each image should not exceed 3 MB. Video and sound files should not exceed 60 MB each; the maximum running time is 10 minutes total.
- Please do not submit PowerPoint presentations since these take too long to load and can be distracting when viewing your portfolio.
- Write your name, student ID number, and the program to which you are applying on the actual disk (not on the case) using permanent marker. Do not attach any type of adhesive labels to your disk since these can fall off, jam up disk drives or make the disk unreadable.

Image List

This is a one-page printed description list that corresponds numerically to each piece submitted in your portfolio. It should contain the following information: medium, size, date, duration (in case of time-based work). It is not necessary to provide a detailed description of the work.

Portfolio Retrieval

Applicants who wish to have their portfolios returned must

- make arrangements for the return of their portfolio by including a self-addressed stamped envelope or a prepaid courier invoice which fully covers the cost for return, or
- pick up their portfolios from the Studio Arts office (VA 250) once a final decision has been made on their application, but before October 31 of the current calendar year. Unclaimed portfolios will be discarded in early November.

Pick up hours: Monday to Friday 9:00 – 11:30 and 13:30 – 16:00 (Please note: University offices close at 13:00 on Fridays for summer hours)

Portfolio Guidelines

Every precaution is taken by the Department in handling the portfolios; however, the Department takes no responsibility for loss or damage to portfolios submitted.

The Department reserves the right to refuse any portfolio that does not conform to these guidelines.

► Studio Arts

Programs offered:

- Ceramics (Major)
- Fibres (Major)
- Painting and Drawing (Major)
- Print Media (Major, Minor)
- Sculpture (Major)
- Studio Art (Major)
- Art History and Studio Art (Major, Minor)

See next page for more information

Letter of intent

- 1 What are your reasons for applying to this program? If you are particularly interested in an area within Studio Arts, please indicate why.
- 2 Describe your educational background and any relevant experience.
- 3 What are your goals and expectations in relation to this program?

Your Work

- Your portfolio should contain 15–20 pieces of your own work (either recently completed or currently in progress). Include work that demonstrates your ability to work in a variety of media, in both two and three dimensions. Examples include drawings, paintings, prints, collage and other mixed media work, sculpture, ceramics, and fibres work. You may also include photographs, animation, film, video, audio recordings, and documentation of performance art.
- Please tailor your portfolio to the specific program area to which you are applying.
- Your work should show evidence of both technical skill and conceptual development. Basic abilities in drawing, composition and colour-use must be demonstrated.
- Original work is preferred as long as it is flat, unframed, and measures no more than 24" x 36" (60 x 90 cm). CDs/DVDs or USB flash drives of JPEG images are also acceptable. Please see *Digital Submissions* for formatting guidelines.

► Intermedia/Cyberarts**Program offered:**

Major in Intermedia/Cyberarts

Letter of intent

Please summarize your academic and artistic background and describe your particular interests and goals in relation to Intermedia/Cyberarts. In addition, please address the following questions:

- 1 Why have you chosen the Intermedia/Cyberarts program?
- 2 What is your understanding of the program?
- 3 What kind of media and disciplines would you like to study?

Your Work

- Portfolios should consist of a maximum of 15 examples of your work, and must be well organized and easy to navigate.
- Your portfolio should demonstrate your creative potential in Intermedia/Cyberarts.
- Acceptable formats include CDs, DVDs, USB flash drives, websites, audiotapes and text. Video or sound-work submissions must not exceed 10-minutes running time. Applicants may submit a composite of several videos or sound works as long as it conforms to the 10-minute maximum length.
- Works that are flat and under 24" x 36" (60 x 90 cm) may be submitted in original format. Large and three-dimensional works should be submitted in digital form.
Please see *Digital Submissions* for formatting guidelines.

► Photography**Program offered:**

Major in Photography
Minor in Photography

Letter of intent

- 1 List all courses and workshops you have taken in photography (including where and when).
- 2 Discuss the conceptual unity of the portfolio contents and the context in which the work was produced (for example, in a course).
- 3 Discuss the particular area(s) within the field of photography which interest you.
- 4 Write a short text on your aspirations upon receiving your degree.

Your Work

- Your portfolio should contain 15–20 images consisting of black-and-white and/or colour photographs.
- Prints are preferred to digital images as long as they are flat, unframed and measure no more than 24" x 36" (60 x 90 cm). CDs/DVDs or USB flash drives of JPEG images are also acceptable. Please see *Digital Submissions* for formatting guidelines.
- The Portfolio Evaluation Committee prefers cohesive, well-edited portfolios which indicate applicants' specific interests and/or thought process.
- It is recognized that applicants may have limited training in the medium, therefore examples of work done in other visual arts media may be submitted to supplement the photographic portfolio.
- We do not accept any glassed or framed images.

Send Portfolio to:

Concordia University
Department of Studio Arts
1395 Rene-Levesque Blvd. West (VA 250)
Montreal, Quebec H3G 2M5
T: 514-848-2424 ext. 4262 or 4263
studio-arts.concordia.ca

THEATRE

theatre.concordia.ca

Theatre programs are designed to inspire and prepare students to enter Canada's rapidly evolving performing arts culture. We value creativity, imagination and critical thinking, and support an entrepreneurial approach capable of meeting the demographic, technological, multicultural, funding and related challenges and opportunities of the years to come.

Students explore a wide range of past and present approaches to theatre combining traditional and innovative research through courses and creative projects that encourage the development of basic skills in acting, creative and theoretical research, production, design, playwriting, theatre for social change, and broad-based arts literacy courses for the wider university community.

Instructors are active at scholarly conferences, in professional theatre, publishing, innovative research and cutting-edge approaches to teaching and pedagogy. The Department fosters close links between teaching, research and creative activity to provide students with opportunities to explore their potential, and to intern and train with faculty members and artists.

Graduates are grounded in basic theatre skills and knowledge, and demonstrate enhanced research and problem-solving skills. They are well prepared for future training, competitive for entry to graduate schools and are sought out as interns and assistants by established theatre practitioners.

Facilities

The Department boasts well-equipped facilities on both campuses. New acting studios and design classrooms (including a lighting lab) are located downtown near the D.B. Clarke Theatre, a traditional 380-seat proscenium theatre. Students have access to costume, prop and scene shops and other production spaces. Departmental productions are regularly performed on the Loyola Campus in the Cazalet, a black-box theatre with flexible seating, and in the intimate F.C. Smith Auditorium. All students having the necessary prerequisites are eligible to participate in student-initiated or department productions.

Design for the Theatre

→ See Portfolio Requirements: Page 59

Specialization in Design for the Theatre — 60 credits

This program invites students to become actively involved in the complex process of conceiving, communicating and realizing the visual framework for theatrical works. Emphasis is placed on design as a highly creative discipline which, though comprised of a number of specialties — lighting, costumes and set design — makes its greatest expressive contribution to theatre when a designer has a firm grasp of the potential of each constituent part, together with an understanding of the many other aspects of production.

Students progress from exploring the nature of the design process, to the co-operative nature of theatre work, to developing refined insights and skills involved in the imaginative and technical aspects of the various streams of theatre design through group projects and individual portfolio development. Senior students work on advanced individual projects, which provide them with a rich understanding of the role designers play in contemporary theatre.

Sample courses include:

- Lighting Design
- Costume Design
- Set Design
- Scene Painting
- Stage Properties

Theatre

→ See Audition Requirements: Page 59

Major in Theatre — 48 credits

Directed towards students who seek a general understanding of theatre, the program offers a balance between academic study and practical experience, and between artistic and organizational concerns. The program provides an introduction to many aspects of theatre, from theatre history and theory, to stage management, directing and theatre administration, and can serve as the basis for graduate work in the field, or for future involvement in the creation and running of theatres.

Minor in Theatre — 24 credits

Designed as a general introduction to the field of theatre, the Minor is available to all students in any Faculty. It can serve as an excellent complement to more advanced studies in other areas. There are no additional requirements for the Minor in Theatre.

Sample courses include:

- Script Analysis
- Theatre History
- Acting
- Current Canadian Theatre
- Dramaturgy
- Directing

Theatre and Development

→ See Audition Requirements: Page 59

Specialization in Theatre and Development — 60 credits

Theatre and Development (TDEV) focuses on the history, theory, and practice of drama and theatre from the perspective of art's capacity to inform and effect social change. Specific applications such as developmental drama, drama in education, and drama therapy are examined for their educational, therapeutic, and rehabilitative efficacy. On a broader social level, the program is concerned with points of intersection between traditional theatre and popular forms such as collective and collaborative approaches to play-building; theatrical events specifically created by, for, and about particular communities or populations; and political or educational theatre which is either overtly interventionist or educational in intent.

The program is vitally concerned with developing group skills and leadership, and preparing students to assume entrepreneurial roles within the Canadian theatre milieu. Students have access to a wide range of practical classes in areas such as acting, design, playwriting, production and administration. In the upper levels, TDEV supports fieldwork in areas of personal specialization such as working in schools, working with populations with special needs, developing large-scale community arts projects, and apprenticeships with community-based theatre companies.

Sample courses include:

The Artist in Community
The Audience and the Performance Event
Theatre with Diverse Populations
Storytelling: Oral Histories and Identities
Popular Theatre: Theory and Practice
Theatre with Young People
Special Projects in Theatre and Development

Theatre Performance

→ See Audition Requirements: Page 59

Specialization in Theatre Performance — 60 credits

A strong and challenging program that trains students to be performers and creators at ease with the many forms of today's theatre and live performance. Dedicated students will gain profound knowledge from the program which they can apply either directly to the stage or use as a strong foundation for graduate/specialized studies.

The first year centres on a broad base of theatre-making aspects intended to build a vocabulary for future collaborative projects and productions. Subsequent years involve specialized performance classes, guest artists and directors. Students also have the opportunity to participate in the student play festival (SIPA) and in directing classes.

Sample courses include:

Acting
Character and Text
Theatre Movement
Acting Styles
Voice and Speech
Acting Elizabethan Text

Playwriting

→ See Portfolio Requirements: Page 59

Major in Playwriting — 48 credits

Provides an introduction to all elements of the theatre, from acting and designing to administration and aesthetics, as well as the necessary writing skills. Playwriting courses centre around specific areas of study each year, beginning with the basics of the craft, then on to more focused skills such as the study and writing of different genres. Third-year students work on projects that are consistent with the needs and abilities of their peers within the program.

Graduates will leave the program with an entrepreneurial sense of what is required in order to write seriously for the stage. Interested students from other Theatre programs may enrol in all of the playwriting courses as electives, thus creating a beneficial fusion of talents and vision within this Major.

Sample courses include:

Playwriting I, II
Playwriting Workshop
Directing
Script Analysis

Theatre — Additional Requirements

To book interviews and auditions and for detailed information regarding application procedures, supplemental requirements and audition/interview appointments, visit theatre.concordia.ca.

Audition / Interview Booking Deadline: March 1

* Applicants must apply online at connect2.concordia.ca before booking an audition/interview

It is the applicant's responsibility to book their audition/interview online.

Letter of Intent and Photograph

All applicants to a Major or Specialization in Theatre must submit a letter of intent and a small photograph of him/herself electronically to the Department at the time of booking the interview/audition.

► Design for the Theatre

Portfolio

- Include drawings, paintings, sculpture, photographs, videos, clothing you have designed or made, or other relevant creative work.
- Large or difficult-to-transport pieces should be submitted as slides or photographs.

Interview

- Applicants must bring their portfolio to the interview.

► Theatre and Development

Audition

- Applicants must prepare and perform a short (three minute) piece of original theatre that draws on a formative experience or some other aspect of their life.
- The piece may include excerpts of poetry, text or music, but the majority of the piece must be original.
- The presentation should reveal imagination and creativity as well as the applicant's interests and understanding of Theatre for Development.
- Costume elements and hand props should be kept to a minimum.

► Theatre Performance

Audition

- Applicants must prepare and perform a monologue. A selection of monologues is available at theatre.concordia.ca
- A 45-minute interview/discussion is followed by a one-hour group audition in workshop-style format. "Callbacks" are held the same weekend as the audition and usually run all day. Applicants are asked to do an improvisation in a workshop format.

► Playwriting

Portfolio

- Submitted (by mail or in person) to The Department of Theatre (see address below) before March 1.
- Maximum 20 pages of writing for the stage.
- Portfolios will not be returned.

Interview

- Applicants should be prepared to discuss their interests, goals and their portfolio.

► Major in Theatre

Audition

- Applicants must prepare and perform a monologue. A selection of monologues is available at theatre.concordia.ca.
- A 45-minute group interview/discussion is followed by a one-hour group audition in workshop-style format.

► Minor in Theatre

There are no additional requirements for admission to the Minor.

Concordia University
Department of Theatre
1550 De Maisonneuve Blvd. West (GM 500-00)
Montreal, Quebec H3G 1N2
T: 514-848-2424 ext. 4559 or 4555
theatre.concordia.ca

HOW TO APPLY

1

CHOOSE YOUR PROGRAMS

Once you've explored the Concordia website and decided on your program(s) of interest, the next step is to determine how you want to approach your studies by choosing a concentration (Major, Specialization, Honours or Option). In some cases you may also choose a Minor, though Minors can also be added later in your studies. For more information on concentrations see page 1.

You may indicate up to three program choices on your application. Your first choice program should be your preferred program, as you will not be considered for your subsequent programs unless you are refused admission to your previous choice. Students who do not meet requirements for Honours or Specialization will automatically be considered for a Major program.

2

FIND OUT ABOUT ADMISSION REQUIREMENTS

Carefully review the admission and additional requirements for the programs you are applying to. In general, if you have completed the level of education required for admission to university in your home province, state or country, and have achieved good grades, you are eligible to apply for admission.

Some programs require prerequisite courses or a specific academic profile. Others may require additional requirements such as a letter of intent, portfolio, or interview. Consult the charts on pages 68-75 for more information.

Some applicants may be required to write an English language proficiency test. Please see page 65 for details.

3

APPLY ONLINE

To begin the application process you must first create your profile on Connect2Concordia.ca and then follow the "Apply Now" link. You will be asked for biographical and contact information, program selection(s), your full academic history and current courses. You must disclose your entire secondary and post-secondary academic history when you apply. If you do not disclose your full academic history at the time of application, your admission may be cancelled.

If you are interested in applying to the Institute for Co-operative Education, you must check off the co-op box when choosing your program on the application form. Please note that co-op is not available with all programs.

You are encouraged to upload supporting documents when submitting your application or at any point during the assessment period.

You must have a valid email address and a credit card (Visa or MasterCard) to pay the non-refundable application fee.

After finalizing your application, you will receive an email with a PDF of your application, as well as an email with information on how to access the MyConcordia Portal. From the Portal you can check your application status, upload additional documents, see when your documents have arrived and accept your Offer of Admission.

4

SEND YOUR REQUIRED DOCUMENTS

It is your responsibility to ensure all documents and additional requirements are submitted. The sooner you submit all the required documents, the sooner we can assess your file. At minimum you will be required to provide identification documents and official transcripts. You may upload documents to the MyConcordia Portal. All official documents need to be mailed directly from your school/institution to the Admissions Application Centre at Concordia. For information on required documents see page 64.

5

OFFER OF ADMISSION/DECISION LETTER

After we assess your file, you will receive a decision by email and by regular mail. If you are offered admission, it is important to carefully review your Offer of Admission for information on how to accept the offer and for any additional academic requirements or conditions that may be required to finalize your admission.

Under no circumstance can the University guarantee that an applicant will be admitted. See page 61 for Selection Criteria.

Applications are considered on an ongoing basis in the order in which they become complete. Late applications may be considered where places are still available. Priority, however, is given to applicants who apply by the official deadline. The Faculty of Arts and Science, the John Molson School of Business, and the Faculty of Engineering and Computer Science have a rolling admission process allowing International applicants whose file is completed too late to be processed for a given session to be considered for the following entry period.

September is the normal point of entry for undergraduate studies. Entry in January or May is possible for certain programs, where places are available.

	Fall Term	Winter Term	Summer Session*
Deadline to Apply	<p>February 1 International applicants and all candidates studying, or who last studied, in high schools, colleges or universities outside of Canada</p> <p>March 1 Applicants from within Canada</p>	<p>September 1 International applicants and all candidates studying, or who last studied, in high schools, colleges or universities outside of Canada</p> <p>November 1 Applicants from within Canada</p>	<p>January 15 All applicants</p> <p>As course selection is limited in the summer, students may have difficulty registering for a full course load.</p>
Available Programs	<p>Arts & Science All programs are open</p> <p>John Molson School of Business All programs are open</p> <p>Engineering & Computer Science All programs are open</p> <p>Fine Arts All programs are open</p>	<p>Arts & Science All programs are open Except: Early Childhood and Elementary Education, Teaching English as a Second Language, and all Communication Studies and Journalism programs.</p> <p>John Molson School of Business All programs are open</p> <p>Engineering & Computer Science All programs are open**</p> <p>Fine Arts Check program availability online</p>	<p>Arts & Science All programs are open Except: Early Childhood and Elementary Education, Teaching English as a Second Language, and all Communication Studies and Journalism programs.</p> <p>John Molson School of Business All programs are open</p> <p>Engineering & Computer Science All programs are open Except: Computer Science — Major in Computation Arts</p> <p>Fine Arts Check program availability online</p>

For program availability, see registrar.concordia.ca/availability

* Not all programs are available for this term.

**Students starting studies in Engineering in January may be required to take courses during the Summer session in order to maintain course sequencing.

Criteria for Selection

Academic Performance

Concordia admits students with a wide variety of academic backgrounds. Decisions are based on a holistic assessment of the applicant's dossier and the availability of places in a program. However, admission is competitive. The minimum cut-off averages listed on pages 68-75 are to be used only as indicators. The actual cut-offs may vary with the application pool in a given year.

Special Requirements

Admission to many programs is also based on additional requirements. These are listed in the appropriate program sections and the charts on pages 68-75.

Cegep Students

The Côte de rendement au collégial (crc) is a method of comparing and ranking Cegep applicants. It measures how far above or below the class average a student is, with adjustments based on the relative strength of the student within the group. We receive a crc for (1) each academic course a student has completed, (2) the last program the student was registered in, and (3) overall for all the courses completed at Cegep.

For admissions decisions, Concordia uses the program crc as long as the calculations include at least 16 academic courses; failing that, we use the overall crc. In some competitive programs, the crc for specific prerequisite courses will also be considered.

Applications that do not meet the crc requirement for competitive programs are reviewed holistically to determine if any extenuating circumstances might have adversely affected an otherwise acceptable record.

Conditional Admission

You may be granted conditional admission to a program on the basis of your records of study to-date. Records should include your mid-year results for the current year. Final admission is contingent upon successful completion of the final term or semester of study and satisfying the academic admission requirements.

ADMISSION REQUIREMENTS

The following are the minimum qualifications required and do not guarantee admission.

		Quebec Cegeps	Canadian High Schools	United States High Schools
General Requirements Additional Requirements Certain programs require portfolios, auditions, interviews, and letters of intent.	All Programs	Completion of a two-year pre-university program or a three-year professional DEC.	BC, YT: Grade 12 Diploma and completion of a min. of four Grade 12 provincially examinable subjects, including English. Note: Communications 12 is not accepted as one of the four provincially examinable subjects. ON: OSSD and completion of a min. of six Grade 12U and/or M courses, including English 4U. All Other: Grade 12 Diploma and completion of a min. of five Grade 12 senior-level academic subjects, including English.	Graduation from an accredited high school with better than average grades. Letters of recommendation and SAT scores are not required; however, they are complements to your application. A General Education Diploma (GED) does not meet the requirements for admission to a degree program.
	Arts and Science See also pages 68-71	Certain programs require the completion of appropriate courses in mathematics and sciences. CRC scores range from 19.00 to 30.00 depending on program.	Certain programs require the completion of appropriate courses in mathematics and sciences. Overall averages vary, see pages 68 – 71.	Certain programs require the completion of appropriate Grade 12 courses in mathematics and sciences. Overall averages vary, see pages 68 – 71.
	John Molson School of Business See also page 72	BComm: Overall CRC 26.00 Math CRC 25.00 BAdmin: Overall CRC 25.00 Math CRC 24.00	BComm: Overall average 73% (BC: 75%) Math average 73% (BC: 75%) BAdmin: Overall average 70% (BC: 73%) Math average 70% (BC: 73%)	BComm: Overall average 2.90 GPA Math average 2.90 GPA BAdmin: Overall average 2.70 GPA Math average 2.70 GPA
	Engineering and Computer Science See also page 73	Completion of appropriate courses in mathematics and sciences. All programs: Overall CRC 24.00	Completion of appropriate Grade 12 courses in mathematics and sciences. All programs: Overall 75%	Completion of appropriate Grade 12 courses in mathematics and sciences. All programs: Overall 75% or 2.7 GPA
Fine Arts See also pages 74 – 75	Admission to competitive programs is based on strong portfolio/auditions and, normally, above-average grades.	Admission to competitive programs is based on strong portfolio/auditions and, normally, above-average grades.	Admission to competitive programs is based on strong portfolio/auditions and, normally, above-average grades.	

International Baccalaureate (IB)	French Baccalaureate	United Kingdom (GCE)	External Transfers	Home-schooled Applicants
International Baccalaureate diploma with a minimum total of 27 points.	French Baccalaureate diploma with a minimum overall average of: 11/20 — first attempt 12/20 — second attempt	Minimum of: <ul style="list-style-type: none"> two Advanced level examinations and three appropriate GCSE/IGCSE examinations. <p>An average grade of D or better is required in A-level examinations.</p> <p>Two appropriate AS (Advanced Subsidiary) levels may be accepted in lieu of an Advanced level.</p> <ul style="list-style-type: none"> Students who have not completed Year 13 / Upper Form VI: superior grades in a minimum of five appropriate GCSE examinations plus one year of formal schooling beyond GCSE level in a suitable academic program in a recognized school or college 	Considered for an appropriate level of placement if transferring from an accredited university. A minimum of 45 credits must be taken at Concordia University.	Each case will be treated on its merits. Applicants should submit all documents that support the application, e.g., SAT and AP test scores and transcripts of any academic institution attended. In some cases, an interview(s) with a university official may be required. Applicants must also include: 1. A description of the home-schooling curriculum program followed and measures of academic acquisition in the program; 2. A letter of intent explaining on which basis admission is sought and a letter from the home-educator detailing how the home-school program has prepared the applicant for university studies; 3. A letter of recommendation from an impartial source indicating the applicant's readiness for university-level study.
Certain programs require the completion of math and sciences at the Higher Level. Overall averages vary, see pages 68 – 71.	Certain programs require the completion of math and sciences at the terminale level.		Min. required average varies from C to A- depending on program Certain programs require 60 credits be completed at Concordia University.	
A minimum total of 28 points as well as a grade of 5 on 7 in SL Math.	BComm: Overall and math average 12/20 — first attempt 13/20 — second attempt BAdmin: Overall and math average 11.50/20 — first attempt 12.50/20 — second attempt		BComm: Overall: 2.70 CGPA Math average grade: B- BAdmin: Overall: 2.60 CGPA Math average grade: B-	
Completion of mathematics and sciences at the Higher Level.	The completion of Série S (Sciences).		All programs: Overall 2.5 GPA or equivalent Certain programs require 60 credits be completed at Concordia University.	
Admission to competitive programs is based on strong portfolio/auditions and normally, above-average grades.	Admission to competitive programs is based on strong portfolio/auditions and normally, above-average grades.		Average: C or equivalent Certain programs require 60 credits be completed at Concordia University.	

Advanced Placement: Students who have successfully passed Advanced Placement examinations in appropriate subjects with a grade of “3” or better may be granted some advanced standing.

REQUIRED DOCUMENTS

Once you have completed the online application, it is important to ensure the University receives all necessary supporting documents. All documents received by Concordia University become property of the University. Official documents and/or transcripts will not be returned and will be destroyed after three years.

Official Transcripts

All applicants must ensure that Concordia receives your official transcript. An “official” transcript is a record of secondary or post-secondary education sent directly to the Admissions Application Centre from each of your previous educational institutions. While we wait for the official transcripts to arrive, student copies of your academic records should be uploaded online, as they allow us to start the admission process. Records submitted by fax are not considered official.

Mailing Address:

Concordia University
Admissions Application Centre
P.O. Box 2900
Montreal, Quebec, Canada
H3G 2S2

In Person / Courier Drop Off:

Birks Student Service Centre
J.W. McConnell Building, Room LB 185
1400 De Maisonneuve Blvd. West
Montreal, Quebec H3G 2V8
Canada
Monday -Thursday: 10 a.m – 7 p.m.
Friday: 9 a.m – 6 p.m.

Cegep Applicants

Your permanent code must be included on your application so that the University can obtain your official transcripts electronically from the *Conférence des recteurs et des principaux des universités du Québec* (CREPUQ) as soon as they are available. It is essential that you include your permanent code to avoid delays in processing your application. Unless notified otherwise you do not need to provide a copy of your Cegep transcript.

Ontario Applicants

It is your responsibility to ensure Concordia receives an official copy of your transcripts. An agreement with the Ontario Universities' Application Centre (OUAC) allows us to receive high school transcripts electronically. However, Concordia will only be able to access this information if you provide us with a valid OUAC number for the current year and have also applied to universities in Ontario. If you did not apply through OUAC you must arrange for your high school to send us an official transcript.

January Entry: The OUAC system does not transmit transcripts during the Fall Term. Therefore, if you are applying for admission to the Winter Term, you must arrange for your high school to send us an official transcript.

Other Canadian Provinces/United States Applicants

It is your responsibility to ensure an official copy of your transcript is forwarded directly to the Admissions Application Centre from all previous educational institutions. If you are currently enrolled in school, you must submit the results of previous terms and a list of courses in which you are currently registered, including your mid-year grades if they are available. An official transcript which includes the results of the final semester must be forwarded as soon as possible.

Sealed Envelope Method

Applicants from within North America may use the “sealed envelope” method, whereby you request that each previous educational institution provide you with a copy of your official transcript, sealed in an envelope bearing the name and address of the school, the institutional logo (if applicable), a notice on the envelope stating that it contains official transcripts, and a signature/signature stamp/explanatory label placed across the seal of the envelope. If you enclose such an envelope, unopened, in a separately addressed envelope to the Admissions Application Centre, the transcript will be considered official.

International Applicants

Applicants from outside North America must arrange to have their school(s) mail an official transcript directly to the Admissions Application Centre.

All transcripts should be in the original language. If that is neither English nor French, you must also submit a copy translated into English or French by a certified translator. If the transcript does not detail the subjects taken and the grades achieved, a certified statement of these from an authorized official of the institution must also be submitted.

Canadian Citizenship Status

All applicants, except for Cegep applicants, must provide proof of their status in Canada. If you have been accepted and have not provided this proof of status, you will automatically be charged the higher International tuition fees.

To provide proof of Canadian Citizen/Permanent Resident status, you must submit a photocopy of one of the following documents:

- Canadian birth certificate
- Canadian Citizenship card (both sides)
- Permanent Resident card (both sides) or IMM 5292

The following documents are not accepted:

- Driver's licence
- Medicare card
- Social Insurance Number card

Applicants whose primary language is not English and who do not meet one of the proofs of proficiency listed below must write an English proficiency test, regardless of citizenship.

Proof of Proficiency

In all cases, the University reserves the right to require a proficiency test if deemed necessary. In general, if you have completed any of the following, you are not required to write a proficiency test:

- **Concordia University Continuing Education Language Institute Students (CELI):** Successful completion of the Advanced 2 level of the Intensive English as a Second Language (ESL) program at CELI with a minimum final grade of 70%. Students who have met this requirement are still required to take a test for placement in the appropriate ESL course.
- The last four years of high school studies in Quebec and the DES (Secondary V).
- Both Secondary V and the Diploma of Collegial Studies (DEC) in Quebec.
- The Diploma of Collegial Studies (DEC) at an English Cegep in Quebec.
- A minimum of three full years of study in an institution where the sole language of instruction is English.
- Four full years of study in Canada in French at the secondary-school level immediately prior to graduating.
- The course English AI (Higher or Standard level) in the International Baccalaureate.
- The American or British Option internationale du baccalauréat (OIB) of the French Baccalauréat.
- GCSE English Language with a grade of 'C' or better.
- GCSE English as a Second Language with a grade of 'C' or better.

For minimum English proficiency scores, please refer to the list on the right for accepted language proficiency tests.

Minimum English Proficiency Score for Admission

Test results must be reported directly to the Admissions Application Centre by the test centre. Results more than two years old will not be accepted as proof of language proficiency.

TOEFL – Test of English as a Foreign Language

No Credit ESL Courses Required	Credit ESL Courses Required*
TOEFL iBT Min. Score: 90 TOEFL (paper-based) Min. Score: 577	TOEFL iBT Min. Score: 75 TOEFL (paper-based) Min. Score: 540
To ensure your TOEFL results are forwarded directly to Concordia University, you must indicate 0956.00 as the "Institution Code" when you write the test. For more information on the test or to register: www.toefl.org	

IELTS – International English Language Testing System

No Credit ESL Courses Required	Credit ESL Courses Required*
IELTS Min. Score: 7	IELTS Min. Score: 6
Candidates must take the "Academic Module." For more information on the test or to register: www.ielts.org	

MELAB – Michigan English Language Assessment Battery

No Credit ESL Courses Required	Credit ESL Courses Required*
MELAB Min. Score: 85 3 on speaking test	MELAB Min. Score: 74 2 on speaking test
For more information on the test or to register: www.lsa.umich.edu/eli/testing/melab	

CAEL – Canadian Academic English Language Assessment

No Credit ESL Courses Required	Credit ESL Courses Required*
CAEL Min. Score: 70	CAEL Min. Score: 50
For more information on the test or to register: www.cael.ca	

CAE – Cambridge Certificate in Advanced English CPE – Certificate of Proficiency in English

No Credit ESL Courses Required	Credit ESL Courses Required*
CAE Min. Score: A CPE (advanced qualification for proficient users only) Min. Score: C	CAE Min. Score: C
For more information on the test or to register: www.cambridgeesol.org	

* Concordia's English as a Second Language (ESL) credit courses may count toward degree programs. (This does not apply to Engineering programs.)

INTERNATIONAL APPLICANTS

In general, if you have completed the level of education required for admission to university in your home country and have achieved good grades, you are eligible to apply for admission. The senior-level courses presented should be appropriate for the program to which you have applied. Admission is based on a number of criteria, including your grades, and entry to many programs is limited. Satisfying the minimum admission requirements does not guarantee acceptance.

For a list of certificates recognized as qualifications for application, please visit registrar.concordia.ca/international-requirements.

Some programs have additional requirements (e.g., audition, interview, portfolio) indicated in the charts on pages 68-75.

Immigration Procedures

Anyone other than Canadian Citizens and Permanent Residents who wishes to pursue studies in the province of Quebec for a period of more than six months must obtain both a *Certificat d'acceptation du Quebec* (CAQ) and a Canadian Study Permit before entering Canada. International students admitted to a course or program of studies with a duration of six months or less are not required to obtain a CAQ or Canadian Study Permit.

The CAQ must be obtained from Immigration Quebec authorities before Immigration Canada can issue a Study Permit. As it may take several months to obtain a Study Permit, the process should be started immediately upon receiving an Offer of Admission from Concordia. The *Ministère de l'Éducation, du Loisir et du Sport* (MELS) considers Convention Refugees, Refugee Claimants, and Protected Persons who have not yet obtained their Permanent Residency status in Canada as International students. For this reason, they are required to obtain a CAQ or *Certificat de sélection du Québec* (CSQ) and a Study Permit.

Information on how to obtain these documents is mailed with the Offer of Admission and is also available at the International Students Office, supportservices.concordia.ca/iso.

Financial Information

You must arrange funding before leaving for Canada. When applying for the CAQ and the Canadian Study Permit, you will be required to present evidence of sufficient funds for tuition and living expenses. A general outline of fees and living expenses is on page 76.

Canadian immigration regulations allow International students to work on or off campus. Temporary employment, however, is not considered a sufficient source of funding, except for graduate students employed as research or teaching assistants. If you are accompanied by your spouse, Immigration Canada will allow him/her to work on or off campus. Contact the International Students Office for information on obtaining off-campus employment, supportservices.concordia.ca/iso.

Mature Entry

Even if you do not meet the normal academic admission requirements, you may still be eligible to study at Concordia through the Mature Entry Program (MEP) based on age, experience and potential. The MEP requires the successful completion of a minimum of 18 additional credits. Mature entrants must meet the following conditions.

APPLICANTS MUST

- Be 21 years old by August 1, December 1 or April 1 for entry in September, January or May respectively
- Not meet the normal academic requirements for admission, but demonstrate the ability to undertake undergraduate courses
- Have not been engaged in full-time study for at least 24 months since the age of 18. Applicants who have been out of school for 12 months may be admitted provided the academic record for the previous 24 months is favourable
- Be a Canadian Citizen or Permanent Resident

Entry requirements vary by program of study. Refer to the Undergraduate Calendar or speak with an advisor at the Student Transition Centre for more information, stc.concordia.ca.

REQUIRED ADMISSION DOCUMENTS FOR MEP

- Acceptable proof of age
- School records
- Any material demonstrating your ability to pursue university studies
- The completed mature student section of the application
- Curriculum vitae

Transfer Students

Transfer applicants are considered on the basis of both their university and previous studies. If you are transferring from another accredited university, you will be considered for an appropriate level of placement within the undergraduate program at Concordia.

Credit may be awarded for university-level courses that are equivalent to Concordia courses and appropriate to the program to which you are applying. Please note that the evaluation of transfer credit cannot be made until a formal application and all necessary supporting documents have been received.

There are, however, some special conditions attached to the granting of transfer credits. The number of credits awarded depends on the character, quality and quantity of the work completed. A minimum of 45 credits, and in some cases 60 credits, must be taken at Concordia University. For more information on transferring from other post-secondary institutions refer to the Undergraduate Calendar.

ARTS AND SCIENCE

PROGRAM	Degree	Program Type	Requirements	Co-op Option	Concentration				Cegep Profiles	Additional	Minimum Cut-off Averages ¹					
					Honours ²	Specialization	Major	Minor			Certificate	Quebec Cegep (CRC)	Can. High Schools	US High Schools	External Transfers	Int'l. Bacc. (IB)
Applied Human Sciences																
Community Service		LE	Δ					•	0.00	G	DEC	M	2.5	C	27	
Family Life Education		LE	Δ					•	0.00	G	DEC	M	2.5	C	27	
Human Relations	BA	QP	Δ				•	•	•	0.00	G	DEC	M	2.5	C	27
Leisure Sciences	BA	QP	Δ				•	•		0.00	G	DEC	M	2.5	C	27
Therapeutic Recreation	BA	QP	Δ				•		3.14	G	DEC	M	2.5	C	27	
Arabic																
Modern Arabic Lang. & Culture		LE	†					•	•	0.00		DEC	M	2.5	C	27
Biology																
Biology	BSc	LE					•					28.000	85%	3.3	B+	27
							•	•	•			20.000	70%	2.6	C+	27
Cell and Molecular Biology	BSc	LE					•			10.9/5.00/6.00		28.000	85%	3.3	B+	27
							•					20.000	70%	2.6	C+	27
Ecology	BSc	LE					•					28.000	85%	3.3	B+	27
							•					20.000	70%	2.6	C+	27
Canadian Studies *		O						•	0.00		DEC	M	2.5	C	27	
Canadian Irish Studies		O						•	•	0.00		DEC	M	2.5	C	27
Certificate in Arts & Science		O						•	0.00		DEC	M	2.5	C	27	
Chemistry and Biochemistry																
Biochemistry	BSc	LE					•	•				28.000	85%	3.3	B+	33
							•	•				20.000	70%	2.6	C+	27
Chemistry	BSc	LE					•	•		10.9/5.00/6.00		28.000	85%	3.3	B+	33
							•	•	•			20.000	70%	2.6	C+	27
Chinese																
Modern Chinese Lang. (Mandarin) & Culture		LE	†					•	•	0.00		DEC	M	2.5	C	27
Classics																
Classical Archaeology		O						•				DEC	M	2.5	C	27
Classical Civilization	BA	O					•			0.00		28.000	85%	3.3	B+	33
								•	•			DEC	M	2.5	C	27
Classical Languages & Literature	BA	O					•					28.000	85%	3.3	B+	33
								•	•			DEC	M	2.5	C	27
Communication Studies																
Communication Studies	BA	QP	Δ				•	•		0.00	A,E,G,K,R	20.000	70%	2.6	C+	27
Communication & Cultural Studies	BA	QP	Δ				•				A,E,G,R	20.000	70%	2.6	C+	27
Economics																
Analytical Economics								•				21.000	70%	2.8	B	27
Economics	BA	LE					•	•		0.00		28.000	85%	3.3	B+	33
							•	•	•			21.000	70%	2.8	B	27
Education																
Adult Education		O						•	•	0.00		DEC	M	2.5	C	27
Child Studies	BA	QP					•			0.00		23.000	80%	2.8	B	30
Early Childhood & Element. Educ.	BA	QP	Δ				•			0.00	A,B,R	24.000	78%	2.9	B	29
Education		O						•		0.00		DEC	M	2.5	C	29
TESL (Teaching Engl. as a 2 nd Lang.)	BEd	LE	Δ				•			10.13	A,B,G,P,Q,R	24.000	78%	2.9	B	29
TESL Certificate			Δ					•		0.00	G,Q,R	DEC	M	2.5	C	27
English																
Creative Writing	BA	LE	Δ∅				•	•			G,K	DEC	M	2.5	C	27
English & Creative Writing	BA	LE	Δ∅				•				G,K	28.000	85%	3.3	B+	33
English Literature	BA	LE	∅				•	•	•	0.00		28.000	85%	3.3	B+	33
								•				DEC	M	2.5	C	27
English & History	BA	LE	∅				•					DEC	M	2.5	C	27
Professional Writing		LE	∅					•			N	DEC	M	2.5	C	27
Études françaises																
Langue française		O						•		0.00		DEC	M	2.5	C	27
		O						•								
Opt : Langue/litt. de langue française	BA	O					•		10.5							

See page 71 for explanation of notes and codes.

* Entire certificate offered online only

See page 71 for explanation of notes and codes.

PROGRAM	Degree	Program Type	Requirements	Co-op Option	Concentration				Cegep Profiles	Additional	Minimum Cut-off Averages ¹							
					Honours ²	Specialization	Major	Minor			Certificate	Quebec Cegep (CRC)	Can. High Schools	US High Schools	External Transfers	Int'l. Bacc. (IB)		
Études françaises (cont'd)																		
Option : Rédaction professionnelle	BA	O																
Option : Traduction	BA	O																
Études françaises	BA	O						10.5			DEC	M	2.5	C	27			
Littératures de langue française		O																
Traduction (Spécialisation)	BA	QP	Δ	•	•				G									
Exercise Science																		
Exercise Science	BSc	LE	v		•						28.000	85%	3.3	B+	N/A			
		LE					•		10.9/5.00/6.00		25.000	80%	3.0	B	30			
Athletic Therapy	BSc	LE			•						25.000	80%	3.0	B	30			
Clinical Exercise Physiology	BSc	LE			•						25.000	80%	3.0	B	30			
Geography, Planning & Environment																		
Environmental Geography	BSc	O					•	•			DEC	M	2.5	C	27			
Environmental Science	BSc	O			•				10.9/5.00/6.00		28.000	85%	3.3	B+	33			
											DEC	M	2.5	C	27			
Human Environment	BA	O			•		•	•			28.000	85%	3.3	B+	33			
Urban Planning	BA	QP			•				0.00		28.000	85%	3.3	B+	33			
											25.000	70%	2.7	B	30			
Urban Studies	BA	O					•	•			DEC	M	2.5	C	27			
German		O						•	0.00		DEC	M	2.5	C	27			
History																		
History	BA	O			•						28.000	85%	3.3	B+	33			
											DEC	M	2.5	C	27			
English & History	BA	LE			•				0.00		DEC	M	2.5	C	27			
Law and Society		O						•			DEC	M	2.5	C	27			
Public History	BA	LE			•						28.000	85%	3.3	B+	33			
Interdisciplinary Studies																		
Interdisc. Studies in Sexuality								•	0.00		DEC	M	2.5	C	27			
Italian																		
Italian	BA	O			•				0.00		28.000	85%	3.3	B+	33			
											DEC	M	2.5	C	27			
Journalism																		
Journalism/Audiovisual	BA	QP	Δ		•													
Journalism/Multi-Platform	BA	QP	Δ		•				0.00	G,N,Q	25.00	75%	2.8	B	28			
Journalism/Textual	BA	QP	Δ		•													
Journalism	BA	QP	Δ					•										
Linguistics																		
Linguistics	BA	O			•				0.00		28.000	85%	3.3	B+	33			
											DEC	M	2.5	C	27			
Liberal Arts College																		
Western Society & Culture	BA	O	Δ		•				0.00	A,G	28.000	85%	3.3	B+	33			
											A	DEC	M	2.5	C	27		
Loyola International College																		
Diversity and the Contemp. World		O						•	0.00		DEC	M	2.5	C	27			
Mathematics & Statistics																		
Actuarial Mathematics	BSc	QP			•	•			10.10/5.00/6.00		30.000	87%	3.5	A-	36			
					•	•					28.000	85%	3.3	B+	34			
	BA	QP			•	•			10.12/6.00		30.000	87%	3.5	A-	36			
					•	•					28.000	85%	3.3	B+	34			
Actuarial Mathematics/Finance	BSc	QP	Δ		•	•			10.10/5.00/6.00	G	30.000	90%	4.0	A-	36			
					•	•					30.000	90%	4.0	A-	36			
Mathematical & Computational Finance	BSc	QP	Δ		•	•			10.10/5.00/6.00		29.000	90%	4.0	A-	36			
Mathematics & Statistics	BA	O							10.12/6.00		DEC	M	2.5	C	27			
											DEC	M	2.5	C	27			
Math. & Stat./Comp. App. Option	BSc	O							10.10/5.00/6.00		24.000	75%	2.7	B	28			
											24.000	75%	2.7	B	28			

ARTS AND SCIENCE

PROGRAM	Degree	Program Type	Requirements	Concentration				Program Requirements		Minimum Cut-off Averages ¹					
				Co-op Option	Honours ²	Specialization	Major	Minor	Certificate	Cegep Profiles	Additional	Quebec Cegep (CRC)	Can. High Schools	US High Schools	External Transfers
Mathematics & Statistics (cont'd)															
Pure & Applied Mathematics	BSc	O		•	•				10.10/5.00/6.00		28.000	85%	3.3	B+	33
				•	•						22.000	75%	2.8	B	27
	BA	O		•	•				10.12/6.00		28.000	85%	3.3	B+	33
				•	•						22.000	75%	2.8	B	27
Statistics	BSc	O		•	•				10.10/5.00/6.00		28.000	85%	3.3	B+	33
				•	•						22.000	75%	2.8	B	27
	BA	O		•	•				10.12/6.00		28.000	85%	3.3	B+	33
				•	•						22.000	75%	2.8	B	27
Philosophy															
Philosophy	BA	O		•					0.00		28.000	85%	3.3	B+	33
							•	•			DEC	M	2.5	C	27
Physics															
Physics								•							
Pure/Computational (Option A)	BSc	O		•	•				10.9/5.00/6.00		DEC	M	2.5	C	27
Biophysics (Option B)				•	•										
Political Science															
Political Science	BA	O		•					0.00		30.000	85%	3.5	A-	33
							•	•			19.000	M	2.5	C	27
Human Rights		O						•			19.000	M	2.5	C	27
Psychology															
Psychology	BA	QP		•					10.1/4.03/6.00/ 3.14 + 4.10		28.000	85%	3.3	B+	33
					•	•					25.000	80%	3.0	B	30
	BSc	QP		•		•			10.9/5.00/6.00		28.000	85%	3.3	B+	33
								•			25.000	80%	3.0	B	30
Behavioural Neuroscience (Option)	BSc	LE		•					10.9/5.00/6.00		28.000	85%	3.3	B+	33
					•						25.000	80%	3.0	B	30
Religion															
Iranian Studies		O						•			DEC	M	2.5	C	27
Judaic Studies	BA	O	Δ	•					0.00	G	28.000	85%	3.3	B+	33
							•	•			DEC	M	2.5	C	27
Religion	BA	O	Δ	•						G	28.000	85%	3.3	B+	33
							•	•			DEC	M	2.5	C	27
Southern Asia Studies	BA	O						•			DEC	M	2.5	C	27
School of Community & Public Affairs															
Community, Public Affairs & Policy Studies	BA	LE	Δ				•		0.00	A,P,Q	25.000	75%	2.8	B	28
Science College															
Multidisciplinary Studies in Science		LE						•	10.9/5.00/6.00	A	28.000	85%	3.3	B+	33
Simone de Beauvoir Institute															
Women's Studies	BA	O			•	•	•	•	0.00		DEC	M	2.5	C	27
Sociology & Anthropology															
Anthropology	BA	O		•							28.000	85%	3.3	B+	33
					•	•	•				19.000	M	2.5	C	27
Anthropology and Sociology	BA	LE			•				0.00		19.000	M	2.5	B+	27
Sociology	BA	LE		•							28.000	85%	3.3	B+	27
					•	•	•				19.000	M	2.5	C	27
Spanish															
Spanish		O						•			DEC	M	2.5	C	27
Literature & Society (Option A)	BA	O		•					0.00		28.000	85%	3.3	B+	33
							•				DEC	M	2.5	C	27
Expression & Culture (Option B)	BA	O			•	•					DEC	M	2.5	C	27
Spanish Translation		O						•			DEC	M	2.5	C	27
Theological Studies															
Theological Studies	BA	O		•					0.00		28.000	85%	3.3	B+	33
							•	•			DEC	M	2.5	C	27
Pastoral Ministry		O	Δ					•		A	DEC	M	2.5	C	27

See page 71 for explanation of notes and codes.

EXPLANATION OF NOTES AND CODES

NOTES

- 1** **Minimum Cut-Off Averages:** Should be used as indicators. Data may change depending on the quality of the application pool.
- 2** **Honours:** Students applying directly to an Honours program should list it as their first choice. If not admitted to Honours, they will automatically be considered for the next highest program (i.e., Specialization or Major).
- M** The Faculty of Arts and Science prefers students for these programs to have a 70% average and above, however, based on space availability, students below this average may still be considered. Admission is not guaranteed.

CEGEP PROFILES

- 0.00** No specific courses are required beyond the DEC
- 0.72** A DEC and an appropriate teaching certificate
- 0.80** Full-time teaching position with an educational institution recognized by the *Ministère de l'Éducation, du Loisir et du Sport (MELS)* or a provisional teaching authorization from the MELS.
- 3.14** Biology 301, 401, 911 or 921 or 101–NYA
- 4.03** Social Science DEC with Mathematics 300, Biology 921, and a unit in Psychology
- 4.10** DEC in Humanities or equivalent including courses in Psychology and Quantitative Methods or equivalent
- 5.00** Natural Science DEC
- 6.00** A DEC *intégré en sciences, lettres et arts*
- 10.1** Biology 301, 401, 911 or 921 or 101–NYA; Mathematics 337 or 103 and 307 or 201–NYA; Psychology 101 or 102
- 10.5** Two Cegep courses or equivalent in the language to be studied. If these courses have not been available in the Cegep attended, the student may be required to complete them at the university level.
- 10.9** Mathematics 103 or 201–NYA and 203 or 201–NYB; Physics 101 or 203–NYA and 201 or 203–NYB and 301 or 203–NYC; Chemistry 101 or 202–NYA and 201 or 202–NYB; Biology 301 or 101–NYA
- 10.10** Mathematics 103 or 201–NYA and 203 or 201–NYB and 105 or 201–NYC; Physics 101 or 203–NYA and 201 or 203–NYB and 301 or 203–NYC; Chemistry 101 or 202–NYA and 201 or 202–NYB; Biology 301 or 101–NYA
- 10.12** Mathematics 103 or 201–NYA and 203 or 201–NYB and 105 or 201–NYC
- 10.13** No particular requirements for graduates of an anglophone Cegep other than the DEC. Graduates of a francophone Cegep must hold a DEC with an advanced course in English or have an equivalent background in English.

PROGRAM TYPE AND REQUIREMENTS

- O** **Open Program** There is no stated maximum number of places for these programs. Normally, minimum entrance requirements are applied.
- LE** **Limited Enrolment Program** The number of applications does not normally significantly exceed the number of places available. An entrance standard is set and admission is granted on an ongoing basis. Once capacity is reached, no more students can be admitted to the program.
- QP** **Quota Program** Entry is competitive and selective, and the number of qualified applicants may exceed the number of places available. Applicants who meet the stated minimum requirements are not guaranteed admission to these programs. Closing dates for applications are stringently applied.
- Δ Departmental recommendation needed.
- \diamond Applicants required to take an English language proficiency test must obtain a minimum TOEFL iBT (Internet-based test) score of 100, with a score of at least 22 in the writing component.
- \dagger Native speakers or applicants with advanced language skills are not eligible for admission.
- \vee Admission is to the major. Students may apply for transfer to Honours after completing 24 program credits.

ADDITIONAL REQUIREMENTS

- A** Interview
- B** Program-specific application
- E** Essay
- G** Letter of intent outlining the purpose and reason for selecting this program/discipline
- K** Portfolio of personal work
- N** English Proficiency Test
- P** Knowledge of written and spoken French, as determined by a placement or proficiency test, the results of which could lead to a refusal to admit to the program or to the imposition of specified make-up courses
- Q** Knowledge of written and spoken English, as determined by a placement or proficiency test, the results of which could lead to a refusal to admit to the program or to the imposition of specified make-up courses
- R** Reference/Assessment forms
- S** Written proposal for an interdisciplinary plan of study based in one academic department
- T** Students who are native speakers or who have advanced language skills are not eligible for admission.

PROGRAM	Program Type	Co-op Option	Concentration					Minimum Cut-off Averages ¹				
			Honours	Specialization	Major	Minor	Certificate	Quebec Cegep (CRC) ²	Canadian High Schools	BC High Schools	U.S. High Schools	External Transfers
BAdmin												
Administration (General)	CP		•				Overall: 25.00 Math: 24.00	Overall: 70% Math: 70%	Overall: 73% Math: 73%	Overall: 2.70 CGPA Math: 2.70	Overall: 2.60 CGPA Math: B-	A minimum total of 28 points as well as a grade of 5 on 7 in SL mathematics
BComm												
Accountancy	CP	•		•	• ³							
Assurance, Fraud Prevention and Investigative Services	CP				•							
Financial Reporting	CP				•							
Management Accounting	CP				•							
Business Studies	CP			• ⁴	• ⁵							
Decision Sciences & Management Info. Sys.	CP											
Supply Chain Operations Management	CP	•		•	•							
Management Information Systems	CP	•		•	•	Overall: 26.00 Math: 25.00	Overall: 73% Math: 73%	Overall: 75% Math: 75%	Overall: 2.90 CGPA Math: 2.90	Overall: 2.70 CGPA Math: B-	A minimum total of 28 points as well as a grade of 5 on 7 in SL mathematics	
Data Intelligence	CP				•							
Economics	CP			•	•							
Finance	CP	•	• ⁶	•	•							
International Business	CP	•		•	•							
Management	CP			•	•							
Entrepreneurship	CP				•							
Human Resource Management	CP	•		•	•							
Marketing	CP	•		•	•							

CP = Competitive Program

Applicants to any JMSB program whose primary language of instruction is not English may be required to provide proof of proficiency in English. Please see page 65.

Admission Criteria and Program Choice

Admission criteria are identical for all BComm Majors; if you are refused to one, you would also be refused to the others. Likewise, there is no advantage in selecting full-time and part-time as two separate choices. If you are selecting a BComm degree, you must choose a Major.

You can make three program choices which must include one non-business program. The BComm counts as one choice, and either the BAdmin or a Certificate counts as a second choice.

The BAdmin is a general degree with a Specialization in General Administration. The 42-credit core is common to both degrees, but the BAdmin contains more elective credits, allowing students to combine a solid foundation in business with another interest.

Explanation of Notes and Requirements

1 Minimum grades and prerequisite courses:

- **Admission is based on a number of criteria, including achieving minimum grade requirements overall and in mathematics.**
- **Minimum averages** are used as indicators. They may change depending on the quality of the applicants.
- **Prerequisite course completion for Cegep and External Transfers:**
Accepted applicants who achieve the minimum grades in the courses (identified in next column) will receive exemptions from equivalent courses at Concordia. Those who do not receive exemptions from these courses must complete them at Concordia. These courses will count for credit toward the degree

requirements and should not prolong the duration of the program.

Cegep Students:

- MATH 103 or 201-NYA and 105 or 201-NYC (minimum 70% for exemptions for MATH)
- Micro-Economics and Macro-Economics (minimum 75% for exemptions for ECON)
- Computer Literacy – courses completed will be evaluated for equivalency to DESC 200 – *Fundamentals of Information Technology*.

External Transfer:

External transfers are students who currently study or have studied at another university. The prerequisite courses are as follows:

- Calculus I *
- Linear Algebra *
- Micro-Economics
- Macro-Economics
- Computer Literacy

*Students must achieve a minimum average of 2.70 (B-) on a 4.3 scale in Calculus I and Linear Algebra.

Students who achieve the minimum grades (or GPA) and complete at least one of the prerequisite courses in mathematics can be considered for admission. Applicants with strong academic records should apply even if they do not have all of the required courses.

More specific admission requirements for students who have completed the French Baccalaureate, UK GCE, and other international certificates or diplomas can be found on pages 62 – 63.

2 Applicants from a three-year DEC in a business-related field are considered for admission without the specific math profile courses if they have achieved an overall CRC of 26 (BAdmin: 25.00) and good grades (min. 70%) in the business math course(s) required for their programs. Applicants must also demonstrate a strong academic performance in business courses. They may also be required to submit a copy of their high school record for evaluation if their program does not include business math courses.

3 This program is intended for students who are pursuing a professional accounting designation (CA, CGA, CMA). A bachelor's degree with a minimum cumulative GPA of 2.70 is required for entry to this program. Not open to International students.

4 This is the only minor available to nonBusiness students. Not open to BAdmin or BComm students.

5 The Certificate in Business Studies has the same admission requirements as the BAdmin program.

6 Honours in Finance: Students may apply to this program once they have completed FINA 385, 395 and six additional credits in Finance, provided they have achieved a minimum cumulative GPA of 3.3 and a minimum GPA of 3.5 in their Finance courses.

ENGINEERING AND COMPUTER SCIENCE

PROGRAM	Concentration						Minimum Cut-off Averages ¹			Program Requirements ⁷
	Program Type	Requirements	Co-op Option ²	Honours ³	Option	Minor	Quebec Cegep (CRC)	Canadian/U.S. High Schools & International Secondary Schools	External Transfers ⁴	
Engineering (BEng)										
Building	CP, QP	•			•					
Civil	CP, QP	•			•					
Computer	CP, QP	•			•					
Electrical	CP, QP	•			•					
Industrial	CP, QP	•			•					
Mechanical	CP, QP	•			•					
Software	CP, QP	•			•					
Computer Science (BCompSc)⁵					•					
Computer Applications	CP	•	•	•		Overall CRC: 24.000	75% or 2.7 GPA	Minimum 2.5 GPA	A minimum total of 27 points and completion of mathematics and sciences at the Higher Level	
w/ Computation Arts ⁶	CP, QP	Δ	•	•	•					
w/ Mathematics & Statistics	CP		•	•						
Computer Games	CP	•	•	•						
Computer Systems	CP	•	•	•						
Information Systems	CP	•	•	•						
Software Systems	CP	•	•	•						
Web Services and Applications	CP	•	•	•						

NOTES

- Minimum Cut-Off Averages: Should be used as indicators. Data may change depending on the quality of the application pool
- Co-op: MEP/ECP applicants may apply for Co-op only following successful completion of their first term of study. Transfer students with above-average grades will be considered for Co-op on an individual basis.
- Honours: Application is not made at the time of admission.
- Transfer credits may be considered on a course-by-course basis or by challenge exams.
- Computer Science is a Quota Program.
- Computation Arts option: Applicants must submit a portfolio.
- Students will be required to take and complete all prerequisite program requirements during their first year of study.

PROGRAM TYPE AND REQUIREMENTS

- CP** Competitive Program
- QP** **Quota Program:** Entry is competitive and selective, and the number of qualified applicants may exceed the number of places available. Applicants who meet the stated minimum requirements are not guaranteed admission to these programs. Closing dates for applications are stringently applied.
- Δ Departmental recommendation needed.

Yearly capacity is limited to 1,000–1,200 students. Admission is based on overall performance and on courses which are directly relevant to the proposed field of study.

PROGRAM

PROGRAM	Program Type	Concentration			Program Requirements		Portfolio Submission / Audition Booking*			Minimum Cut-off Averages ¹				
		Co-op Option	Specialization	Major	Minor	Cegep Profiles	Additional	Summer Session	Fall Session Apply by March 1	Winter Session	Annual Capacity	Quebec Cegep (CRC)	Can. High Schools	External Transfers
BFA														
Art Education – Visual Arts	QP	• ²	•	•	0.00	G,K		March 1		50				
Art History	QP	•	•	•	0.00	—		—		100				
Art History and Film Studies	QP		•		—	—		—		25				
Art History and Studio Art	QP		•	•	0.00	G,K		March 1		20				
Cinema														
Film Animation	QP		•	•		G,K		March 1		40				
Film Production	QP	• ³	•		0.00	G,K		March 1		60				
Film Studies	QP	• ⁴	•	•		—		—		100				
Interdisc. Studies in Sexuality	O		•		0.00	—		—		open				
Contemporary Dance	QP		•		0.00	A		March 1		20				
Design and Computation Arts														
Design	QP		•			G,K				65				
Computation Arts	QP	•		•	0.00	G,K		March 1		40				
w/ Opt. Computer Applications	QP		• ⁵		10.12	G,K								
Music														
Electroacoustic Studies	QP		•	•		G,K		March 1		30				
Integrative Music Studies	QP		•			A,E/T		March 1		40				
Jazz Studies	QP	• ⁶			0.00	—		—		—				
Music	QP			•		E/T		March 1		10				
Music Composition	QP	• ⁶				—		—		—				
Music Performance Studies	QP	• ⁶				—		—		—				
Studio Arts														
Ceramics	QP		•			G,K				25-30 ⁹				
Fibres	QP		•			G,K				25-30 ⁹				
Intermedia/Cyberarts	QP		•			G,K				20				
Painting and Drawing	QP		•			G,K				55-65				
Photography	QP		•	•	0.00	G,K		March 1		50				
Print Media	QP		•	•		G,K				25-30 ⁹				
Sculpture	QP		•			G,K				25-30 ⁹				
Studio Art	QP		•			G,K				115-125				
Theatre														
Theatre	QP		•	• ⁷		A,G								
Design for the Theatre	QP	• ⁸				A,G,K								
Theatre and Development	QP	•			0.00	A,G		March 1		64				
Theatre Performance	QP	•				A,G								
Playwriting	QP		•			A,G,K								

Check program availability at registrar.concordia.ca/availability

Check program availability at registrar.concordia.ca/availability

Admission to most programs is based on portfolio/audition evaluations as well as academic grades.

Applicants selected for admission have normally achieved grades that **exceed** minimum requirements.

Cegep: DEC

Can. H.S.:
65% or C+

Transfers: C

A minimum total of 27 points. Admission to competitive programs is based on strong portfolio/auditions and, normally, above-average grades.

* Applicants must apply for admission at connect2.concordia.ca before submitting a portfolio or booking an audition.

Admission to the Faculty of Fine Arts is very competitive. Meeting the minimum criteria for admission does not guarantee acceptance to a Fine Arts program.

EXPLANATION OF NOTES AND CODES

PROGRAM TYPE AND REQUIREMENTS

- O** **Open Program:** There is no stated maximum number of places for these programs. Normally, minimum entrance requirements are applied.
- QP** **Quota Program:** Entry is competitive and selective, and the number of qualified applicants may exceed the number of places available. Applicants who meet the stated minimum requirements are not guaranteed admission to these programs. Closing dates for applications are stringently applied.

CEGEP PROFILES

- 0.00** No specific profile required. However, following an arts profile may help applicants build a successful portfolio (if a portfolio is required).
- 10.12** MATH 103 or 201-NYA and 203 or 201-NYB and 105 or 201-NYC

ADDITIONAL REQUIREMENTS

- A** Interview/Audition
- E/T** Theory/Ear-training Test
- G** Letter of Intent
- K** Portfolio

You MUST meet all the additional requirements for EACH program to which you apply. If you do not meet ALL the additional requirements, you will not be considered for admission.

NOTES

- 1** **Minimum Cut-Off Averages:** Should be used as indicators. Data may change depending on the quality of the application pool.
- 2** Admission is to the Major. Students may apply to transfer to the Specialization after completing the second year of studies (60 credits including ARTE 220, 230, 320, 330)
- 3** Admission is to the Major. Students may apply to transfer to the Specialization after completing FMPR 332 and the second year of studies.
- 4** Admission is to the Major. Students may apply to the Specialization after their second year of studies.
- 5** Must be taken with the Computer Applications Option program offered by the Faculty of Engineering and Computer Science.
- 6** Admission is to the Major in Integrative Music Studies. Students may apply to transfer to a Specialization upon completion of 30 credits.
- 7** There are no additional admission requirements for the Minor in Theatre.
- 8** Applicants are not required to audition, but must attend an interview.
- 9** This annual Capacity is a combined total for Ceramics, Fibres, Print Media and Sculpture.

BFA DEGREE REQUIREMENTS

A BFA degree normally requires completion of a minimum of 90 credits, but may require 108 or 120 credits depending on the applicant's academic background. Applicants must choose a type of program (e.g., Specialization, Major or Minor) and a subject area (e.g., Art History, Theatre, Painting and Drawing).

SPECIALIZATION: A sequence of courses totalling 60 or more credits. It includes a performance requirement and may include courses in other closely related fields.

MAJOR: A sequence of courses totalling 48 or more credits. The Major may include courses in other closely related fields.

MINOR: A sequence of courses totalling 24 or more credits. A Minor may be combined with a Major or Specialization; it may not be taken on its own.

Students who choose to add a Minor may be required to complete more than the regular 90 credits (or 108 or 120) normally required to obtain a BFA degree.

TUITION COSTS AND FEES

There are three tuition rates established by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS): the International rate, the Canadian rate, and the Quebec rate. Canadian Citizens and Permanent Residents normally pay the Canadian rate. However, if they qualify as Quebec residents according to specific MELS guidelines, they pay the Quebec rate.

Costs

APPROXIMATE BUDGET FOR ONE ACADEMIC YEAR (SEPTEMBER TO APRIL)

	Canadian Citizens and Permanent Residents		Non-Canadian Citizens
	Quebec Residents	Out-of-Province Students	International Students
Full-Time (30 credits)			
Tuition Fees	\$2,493	\$6,183	\$14,887 – 19,865
Non-Academic Fees	\$1,200 – 1,817	\$1,200 – 1,817	\$1,200 – 1,817
Student Health & Dental Plan*	\$170	\$170	n/a
Health Insurance for International Students	n/a	n/a	\$750
Books and Supplies	\$1,750 – 2,370	\$1,750 – 2,370	\$1,750 – 2,370
Transportation/Miscellaneous	\$2,100	\$2,100	\$2,100
Residence	\$3,482 – \$6,795	\$3,482 – \$6,795	\$3,482 – \$6,795
Meal Plan	\$3,640 – \$3,980	\$3,640 – \$3,980	\$3,640 – \$3,980
Off-Campus Living	\$8,500	\$8,500	\$8,500
Total	\$14,835 – 21,430	\$18,525 – 25,120	\$27,809 – 39,382

*Quebec and out-of-province students can opt out of the health and dental plan by going to ihaveaplan.ca.

FEES ARE SUBJECT TO CHANGE. For up-to-date fee information, see tuitionandfees.concordia.ca.

The University reserves the right to change the published scale of fees without prior notice, and at any time before the beginning of an academic term. Costs are in Canadian dollars. For further information regarding tuition costs and fees visit studentaccounts.concordia.ca.

Quebec Residency

It is your responsibility to apply for Quebec residency online through the MyConcordia Portal and provide all supporting documents before the deadline for the term in question. Quebec residency status is not retroactive. It is only effective beginning in the term during which a student presents complete required acceptable proof. There are 14 different scenarios outlined by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) that will grant you Quebec residency. For a complete list of qualifications, as well as information on how to apply visit quebecresidency.concordia.ca.

Financial Aid & Awards

Concordia's Financial Aid and Awards Office (FAAO) can help you find and secure financial aid, including government student loans and bursaries, university and privately funded scholarships and bursary programs, as well as Concordia student assistance programs (including tuition deferrals, emergency loans, and bookstore line of credit) and on-campus work opportunities. Visit the FAAO to receive in-depth assistance based on your personal situation.

Financial Aid and Awards Office
 Concordia University, Room SGW-GM 220 and 230
 1550 De Maisonneuve Blvd. West
 Montreal, Quebec H3G 1N2
 T: 514-848-2424 ext. 3507
faao.concordia.ca

Scholarships and Bursaries

Two types of awards are available through the FAAO: scholarships and bursaries. Scholarships are awarded on the basis of scholastic achievement, and in some cases, involvement in university life or other non-academic criteria. Bursaries are awarded based on financial need, acceptable academic standing, and sometimes, additional criteria.

Award recipients may hold only one scholarship, award, or bursary during a given academic year, unless expressly authorized by the University Undergraduate Scholarships and Awards Committee. For more information including application forms and deadlines (where applicable), visit the FAAO website at faao.concordia.ca.

Government Loan Plans

Apply for government student aid as soon as possible. Do not wait to be admitted to start this process.

Provincial student aid is available in the form of guaranteed loans and bursaries. The amounts awarded for financial aid are based on financial needs and cost of living. In all Canadian provinces, to qualify for government student aid you must be a Canadian Citizen or Permanent Resident living for at least one year in the province to which you are applying for aid, excluding any time spent in full-time studies. Staff at the Financial Aid and Awards Office can explain regulations and help you apply for government student aid. Visit the FAAO website for a complete list of provincial and territorial student aid websites, faao.concordia.ca.

UNDERGRADUATE PROGRAM LISTING

- Accountancy 29
 Actuarial Mathematics 17
 Actuarial Mathematics/Finance 18/33
 Administration (General) 28
 Adult Education 10
 Analytical Economics 9
 Anthropology 23
 Anthropology and Sociology 23
 Art Education – Visual Arts 43
 Art History 44
 Art History and Film Studies 44/45
 Art History and Studio Art 44/52
 Arts and Science (Certificate in) 16
 Assurance, Fraud Prevention
 and Investigative Services 29
- Behavioural Neuroscience 21
 Biochemistry 6
 Biology 4
 Biophysics 20
 Building Engineering 36
 Business Studies 34
- Canadian Studies 5
 Canadian Irish Studies 25
 Cell and Molecular Biology 5
 Ceramics 52
 Chemistry 5
 Child Studies 10
 Civil Engineering 36
 Classical Archaeology 6
 Classical Civilization 7
 Classical Languages and Literature 6
 Classics 6
 Communication and Cultural Studies 9
 Communication Studies 8
 Community, Public Affairs and Policy Studies 25
 Community Service 4
 Computation Arts 48
 Computer Applications w/Computation Arts 40
 Computer Applications w/Mathematics
 and Statistics 40
 Computer Engineering 37
 Computer Games 40
 Computer Science 39
 Computer Systems 40
 Contemporary Dance 47
 Creative Writing 12
- Data Intelligence 30
 Design 48
 Design for the Theatre 57
 Diversity and the Contemporary World 25
- Early Childhood and Elementary Education 10
 Ecology 5
 Economics 9/31
 Education 10
 Electrical Engineering 37
 Electroacoustic Studies 50
 English and Creative Writing 12
 English and History 12/16
 English Literature 11
 Entrepreneurship 33
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 Environmental Science 15
 Études françaises 12
 Exercise Science 13
 Exercise Science/Athletic Therapy 13
 Exercise Science/Clinical Exercise Physiology 14
- Family Life Education 4
 Fibres 52
 Film Animation 45
 Film Production 45
 Film Studies 45
 Finance 31
 Financial Reporting 29
- German 7
- History 16
 Human Environment 14
 Human Relations 4
 Human Resource Management 32
 Human Rights Studies 20
- Industrial Engineering 38
 Information Systems 41
 Integrative Music Studies 50
 Interdisciplinary Studies in Sexuality 16/47
 Intermedia/Cyberarts 53
 International Business 32
 Iranian Studies 22
 Italian 7
- Jazz Studies 50
 Journalism 17
 Journalism/Audiovisual 17
 Journalism/Multi-Platform 17
 Journalism/Textual 17
 Judaic Studies 22
- Langue française* 12
 Law and Society 16
 Leisure Sciences 4
 Linguistics 8
Littératures de langue française 13
- Management 33
 Management Accounting 29
 Management Information Systems 30
 Marketing 33
 Mathematical and Computational Finance 18/33
 Mathematics and Statistics 18
 Mathematics and Statistics
 w/Computer Applications 18
 Mechanical Engineering 38
 Modern Arabic Language and Culture 7
 Modern Chinese Language (Mandarin) and Culture 7
 Multidisciplinary Studies in Science 26
 Music 50
 Music Composition 50
 Music Performance Studies 50
- Painting and Drawing 53
 Pastoral Ministry 24
 Philosophy 19
 Photography 53
 Physics 20
 Playwriting 58
 Political Science 20
 Print Media 54
 Professional Writing 12
 Psychology 21
 Public History 16
 Pure and Applied Mathematics 18
 Pure/Computational Physics 20
- Religion 22
- Sculpture 54
 Sociology 23
 Software Engineering 39
 Software Systems 41
 Southern Asia Studies 22
 Spanish 8
 Spanish: Expression and Culture 8
 Spanish: Literature and Society 8
 Spanish Translation 8
 Statistics 19
 Studio Art 52
 Supply Chain Operations Management 30
- Teaching English as a Second Language (TESL) 11
 Theatre 57
 Theatre and Development 58
 Theatre Performance 58
 Theological Studies 23
 Therapeutic Recreation 4
Traduction 13
- Urban Planning 15
 Urban Studies 15
- Web Services and Applications 41
 Western Society and Culture 24
 Women's Studies 26



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