

2005-2006 Undergraduate Calendar

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2005-2006 academic year, including the Summer Semester 2005, the Fall Semester 2005 and the Winter Semester 2006.

For your convenience the Undergraduate Calendar is available in PDF format.

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Disclaimer

University of Guelph 2005

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2005-2006 academic year, including the Summer Semester 2005, the Fall Semester 2005 and the Winter Semester 2006.

The University reserves the right to change without notice any information contained in this calendar, including any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of degrees or diplomas in any or all of its programs. The publication of information in this calendar does not bind the University to the provision of courses, programs, schedules of studies, or facilities as listed herein.

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Bachelor of Arts (B.A.)

The University of Guelph offers general and honours programs leading to the B.A. degree. The General Program consists of a minimum of 15.00 credits requiring the equivalent of 6 semesters of successful full time study. The Honours Program consists of a minimum of 20.00 credits requiring the equivalent of 8 semesters of successful full time study. A student may register in Summer, Fall and Winter semesters. The normal course load is 2.50 credits per semester for a full time student on regular status. Students may register for 0.50 credit more at their own discretion. Part time study consists of 1.50 credits or fewer per semester.

Program Information

A student's selection of courses must follow the B.A. Program Regulations (including Distribution Requirements), a pattern of study for either the General or Honours degree (below), and the detailed schedule(s) of studies which follow for any special subject(s) studied.

In fulfilling distribution requirements a) and b) students must in semester 1 choose 2 courses from 2 different schools or departments in the College of Arts and 2 courses from 2 of the following departments in the College of Social and Applied Human Sciences: Economics, Geography, Political Science, Psychology, Sociology and Anthropology.

Students entering the B.A. program with advanced standing must complete the distribution requirements a) and b) as soon as possible after entrance to the program. Requirement c) need not be completed immediately but is a graduation requirement.

Note: Courses taken to satisfy the distribution requirements may also be counted toward a specialization in the general or honours program.

Academic Counselling

Program Counselling

Students are urged to seek the assistance of the counsellors in the B.A. Counselling Office regarding their program and academic regulations, selecting courses, services and resources available on campus, and when they are experiencing difficulties that affect their academic progress.

Departmental Advising

Every academic department has advisors available to assist students in their course selection planning. Students should seek the advice of the departmental advisor when declaring a major, area of concentration, or minor, regarding course scheduling and completing the requirements for the specializations.

Students encountering difficulties within a course should first consult the instructor of the course. Co-operative education students in Computing and Information Science, Economics and Psychology will also have a departmental Co-op Academic Advisor and Co-ordinator, and should consult Co-operative Education Services regarding scheduling work terms and the COOP*1000 course.

Academic Residence Requirements

1. At least 5.00 of the credits required for graduation by the student's program must be taken at the University of Guelph.
2. At least 60% of the 3000 and 4000 level courses required for graduation must be taken at the University of Guelph.

University of Guelph courses include courses taken on exchange and on study abroad programs. Letter of Permission courses are not included.

Continuation of Study

Students are advised to consult the regulations for continuation of study within the program which are outlined in detail in Section VIII--Undergraduate Degree Regulations and Procedures of this calendar.

Conditions for Graduation

In addition to meeting the general and honours degree requirements listed below under Program Regulations, students will not normally be eligible to graduate while on probationary or required-to-withdraw status.

Distribution Requirements

The distribution requirements are designed to provide the student with exposure to and some understanding of a range of disciplines in the Arts, Social Sciences and Mathematical and Natural Sciences.

The distribution requirement of 8 courses (minimum 4.00 credits) is as follows:

- A. A minimum of 1.50 credits over at least 2 different subject areas in the College of Arts:

ARTH Art History
 CLAS Classical Studies
 DRMA Drama
 ENGL English
 EURO European Studies
 FREN French Studies
 GERM German Studies
 GREK Greek

HIST History
 HUMN Humanities
 ITAL Italian Studies
 LAT Latin
 LING Linguistics
 MUSC Music
 PHIL Philosophy
 SART Studio Art
 SPAN Spanish Studies
 WMST Women's Studies

- B. A minimum of 1.50 credits over at least two of the following subject areas in the College of Social and Applied Human Sciences:

ANTH Anthropology
 ECON Economics
 GEOG Geography
 IDEV International Development
 ISS Interdisciplinary Social Science
 POLS Political Science
 PSYC Psychology
 SOAN Sociology and Anthropology
 SOC Sociology
 WMST Women's Studies

- C. 1.00 credit in natural and/or mathematical sciences from the list below.

Natural and Mathematical Science Courses Acceptable for B.A. Distribution Requirements

Students must take 1.00 credit in natural and/or mathematical science courses to fulfill the B.A. science requirements. Students should choose their courses from the list below or any course for which those listed serve as prerequisites. Students are advised to fulfill this requirement before their final semester. Any problems related to this requirement should be discussed with a B.A. Program Counsellor.

Courses recommended for students with limited preparation (e.g., lacking OAC credit in a specific area):

BIOL*1020	[0.50]	Introduction to Biology
BIOL*1120	[0.50]	Environment and Human Health
BIOM*2000	[0.50]	Concepts of Physiology
BOT*1200	[0.50]	Plants and Human Use
CHEM*1060	[0.50]	Introductory Chemistry
CHEM*1100	[0.50]	Chemistry Today
CIS*1000	[0.50]	Introduction to Computer Applications
COST*2020	[0.50]	Information Management
ENVB*2210	[0.50]	Introductory Apiculture
GEOG*1350	[0.50]	Earth: Hazards and Global Change
GEOL*1100	[0.50]	Principles of Geology
MATH*1050	[0.50]	Introduction to Mathematical Modeling
MBG*1000	[0.50]	Genetics and Society
MET*1000	[0.50]	The Atmospheric Environment
MICR*1010	[0.50]	The Microbial World
PHYS*1600	[0.50]	Contemporary Astronomy
PHYS*1810	[0.50]	Physics of Music
SOIL*2010	[0.50]	Soil Science
ZOO*1500	[0.50]	Humans in the Natural World - a Zoological Perspective

Courses available for students with adequate preparation (e.g. Grade 12 in the discipline or its equivalent):

BIOL*1030	[0.50]	Biology I
BIOL*1040	[0.50]	Biology II
CHEM*1040	[0.50]	General Chemistry I
CIS*1XXX	[0.50]	Any CIS course at the 1000 level
GEOG*1300	[0.50]	Introduction to the Biophysical Environment
HK*2XXX	[0.00]	Any HK course at the 2000 level
MATH*1XXX	[0.00]	Any MATH course at the 1000 level
MET*2030	[0.50]	Meteorology and Climatology
MUSC*1090	[0.50]	Physics of Music
PHYS*1XXX	[0.00]	Any PHYS course at the 1000 level
STAT*2XXX	[0.00]	Any STAT course at the 2000 level

Double Counting of Courses

A maximum of 50 percent of the courses in a second major or minor may be courses taken in fulfillment of the first major where required courses are the same. Double counting is not allowed in the General Program.

Program Regulations

The General Degree Program provides the opportunity for a sound general education in the arts and social sciences, mathematics and sciences, while allowing for concentration of studies in one or more subjects.

The Honours Degree Program provides depth of study in one specialization, strengthening written and oral communication skills, research and analytical abilities, as well as ensuring a breadth of study in the arts, social sciences, mathematics and sciences.

General Degree Requirements (BAG)

To graduate from a general program a student must:

- earn 15.00 credits. These must include courses that fulfill the distribution requirements (see below). At least 4.00 credits must be at the 3000 level or above. Not more than 6.00 credits at the introductory (1000) level may be counted towards the 15.00 credit requirement.

9.00 of the required 15.00 credits must be in courses offered by the College of Arts, the departments of Economics, Geography, Political Science, Psychology, Sociology and Anthropology (in the College of Social and Applied Human Sciences), the Department of Computing and Information Science, or the Department of Mathematics and Statistics.

- no more than 11.00 credits in any one subject or discipline, as indicated by the course prefix code, can be counted towards a general degree.

While students are encouraged to complete the requirements of one or more areas of concentration, this is not a graduation requirement.

The requirements for each area of concentration are set out separately in the pages following the list of Honours and General Specializations Available in the B.A. Degree.

Honours Degree Requirements (BAH)

To graduate from an honours program a student must:

- earn 20.00 credits. These must include courses that fulfill the distribution requirements (see below), and courses that fulfill the requirements of at least 1 major. At least 7.00 credits must be at the 3000 level or above. Not more than 6.00 credits from courses at the introductory (1000) level may be counted towards the 20.00 credit requirement.
- fulfill the course and credit requirements of at least one major with a cumulative average of at least 70% in all course attempts at the University of Guelph in that major. Grades in all courses in the discipline area of the major are included in the cumulative average. Grades from those courses in other disciplines listed as options toward the major are also included in the average. (This condition does not apply to majors in the interdisciplinary programs of International Development and European Studies, where only courses in the core and chosen area of emphasis will be counted toward the specialization average.) Students may take more than one major. They may also take one or more minors. The 70% requirement applies to each major and minor.
- no more than 14.00 credits in any one subject or discipline, as indicated by the course prefix code, can be counted towards an Honours Degree.

The requirements for each major and minor are set out separately in the pages following the list of Honours and General Specializations Available in the B.A. Degree.

University recognition that a student has graduated with a particular major or minor requires a cumulative average of 70% for all course attempts at this University in that major or minor.

Students failing to meet the graduation requirements of the Honours Program may apply to graduate with a General Degree if the requirements for the General Degree are met. Students should note that a specialization is not required to graduate with a General Degree.

Honours B.A. students, except those doing a major in Computing and Information Science, Mathematics or Statistics, must take a minimum of 12.00 credits from either or both of the departments in the College of Arts and the departments of Economics, Geography, Political Science, Psychology, Sociology and Anthropology (in the College of Social and Applied Human Sciences).

Semester One Requirements

Students in the General and Honours Programs must take:

Semester 1

1.00 credit from the following:

Art History - ARTH*1220, ARTH*1510

Classical Studies -CLAS*1000

Drama - DRMA*1000, DRMA*1050, DRMA*1090, DRMA*1500

English - ENGL*1080, ENGL*1200

European Studies -EURO*1050, EURO*1200

French Studies -FREN*1000, FREN*1200

German Studies -GERM*1100, GERM*1110, GERM*2490 (OAC Required)

Greek - GREK*1100

History - HIST*1010, HIST*1150, HIST*1250

Italian Studies -ITAL*1060

Latin - LAT*1100

Music - MUSC*1060, MUSC*1120, MUSC*1180, MUSC*1500

Philosophy - PHIL*1000, PHIL*1010, PHIL*1050

Studio Art - SART*1050, SART*1060

Spanish Studies -SPAN*1100, SPAN*1110

Women's Studies -WMST*1000

PLUS

1.00 credit from the following:

Anthropology - ANTH*1150

Economics - ECON*1050

Geography - GEOG*1200, GEOG*1220, GEOG*1300

Political Science -POLS*1150, POLS*1400, POLS*1500

Psychology - PSYC*1100, PSYC*1200

Sociology - SOC*1100, SOC*1500

Women's Studies -WMST*1000

Study at Other Universities

Students contemplating study at another university for credit towards a Bachelor of Arts degree at the University of Guelph should refer to the general regulations governing Letters of Permission in Section VIII--Degree Regulations & Procedures in this calendar.

Students must obtain approval for the Letter of Permission prior to undertaking studies at another institution. Approval of the request depends on good standing in the program with a minimum average of 60%.

The normal limit of credits taken on a Letter of Permission is 2.50 based on Guelph credits.

Students with a specialization in languages who want to undertake a program of study in Quebec or abroad should consult the appropriate departmental advisor or the Director of the School of Languages and Literatures.

Special Study Option

London Study Semester

A special program of studies designed to make use of the uniquely rich resources of London, England, is offered as a regular part of the B.A. program every Fall semester. The program is supervised by a faculty member from Guelph who directs the studies in London and supervises correspondence with faculty in Guelph. Courses in London are of 2 kinds: London based courses and correspondence courses. London based courses in music, theatre and fine art are given by British tutors, and the coordinator offers courses in his/her area of interest. Students are also permitted to arrange correspondence courses to meet their particular needs. Students wishing to apply for the London Semester should have good academic standing and should have completed at least 2 semesters at the University of Guelph at the time of application; although preference will be given to those with a cumulative average of 70% or above, all applications will be given careful consideration. More detailed information about academic requirements, bursaries, courses, etc. can be obtained from the B.A. Program Counselling Office, Room 130 in the MacKinnon Building.

Honours and General Specializations Available in the B.A. Degree

General Program Areas of Concentration

Anthropology

Computing and Information Science

Drama

Economics

English

French Studies

Geography

History

International Development

Mathematics

Music

Philosophy

Political Science

Sociology

Spanish

Statistics

Women's Studies

The schedule of studies for each area of concentration is given on the following pages under its subject heading.

Honours Program Majors

Agricultural Economics

Anthropology

Applied Economics

Art History

Classical Languages

Classical Studies

Computing and Information Science*

Criminal Justice and Public Policy

Drama
 Economics*
 English
 European Studies
 French Studies
 Geography
 History
 Individual Studies
 Information Systems and Human Behaviour
 International Development
 Mathematical Economics
 Mathematics
 Music
 Philosophy
 Political Science
 Psychology*
 Rural and Development Sociology
 Sociology
 Spanish
 Statistics
 Studio Art
 Women's Studies

Subjects marked with an asterisk (*) may be available as Co-operative Education programs. The schedule of studies for each major is given on the following pages under its subject heading.

Honours Program Minors

Anthropology
 Art History
 Art Theory and Criticism
 Business Administration
 Classical Languages
 Classical Studies
 Cognitive Neuropsychology
 Computing and Information Science
 Criminal Justice and Public Policy
 Developmental Psychology
 Drama
 Economics
 Educational Psychology
 English
 Environmental Studies
 Family and Child Studies
 French Studies
 Geography
 German
 History
 International Development
 Italian
 Marketing Management
 Mathematics
 Museum Studies
 Music
 Organizational Behaviour
 Philosophy
 Political Science
 Rural Extension Studies
 Social Psychology
 Sociology
 Spanish
 Statistics
 Studio Art
 Visual Arts of the Americas
 Women's Studies

The schedule of studies for each minor is given on the following pages under its subject heading.

Agricultural Economics (AGEC)

Department of Agricultural Economics and Business, Ontario Agricultural College.

The study of agricultural economics prepares students for careers as economic analysts in the agrifood sector and in public agencies. In addition, this major provides excellent background for those students planning to do graduate work in agricultural and resource economics and other fields of applied economics.

Agricultural Economics is offered as a major in the honours program. A detailed program planning guide is available in the Department of Agricultural Economics and Business.

Major (Honours Program)

A minimum of 9.50 credits, consisting of the 15 courses specified below plus 4 restricted electives, is required, including:

AGEC*2220	[0.50]	Financial Accounting
AGEC*2700	[0.50]	Survey of Natural Resource Economics
AGEC*3030	[0.50]	The Firm and Markets
AGEC*4000	[0.50]	Agricultural and Food Policy
AGEC*4500	[0.50]	Decision Science
AGR*1100	[0.50]	Introduction to the Agrifood System
AGR*1250	[0.50]	Agrifood System Trends and Issues
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*2770	[0.50]	Introductory Mathematical Economics
ECON*3600	[0.50]	Macroeconomics in an Open Economy
ECON*3710	[0.50]	Advanced Microeconomics
ECON*3740	[0.50]	Introduction to Econometrics

Four additional courses, at least three of which must be in agricultural economics and at least one of which must be at the 4000 level, chosen from the following list:

AGEC*2230	[0.50]	Management Accounting
AGEC*4210	[0.50]	World Agriculture and Economic Development
AGEC*4220	[0.50]	Advanced Farm Management
AGEC*4240	[0.50]	Futures and Options Markets
AGEC*4290	[0.50]	Land Economics
AGEC*4310	[0.50]	Resource Economics
ECON*3510	[0.50]	Money, Credit and the Financial System
ECON*3530	[0.50]	Industrial Organization
ECON*3580	[0.50]	Economics of Regulation
ECON*3610	[0.50]	Public Economics
ECON*3620	[0.50]	International Trade
ECON*3720	[0.50]	History of the World Economy since 1850

Notes: Prerequisites for the above courses will require students to take MATH*1000, MATH*1080, or MATH*1200 during their first year of study. A student may obtain permission to substitute certain other courses for the ones listed if the substitute courses fit with the students program. Approval from a departmental advisor is required.

Unless taken to satisfy the requirements of another program, no student may receive credit in this program for more than one of the following statistics prerequisites ECON*2740, STAT*2040, STAT*2060, or STAT*2080.

Anthropology (ANTH)

Department of Sociology and Anthropology, College of Social and Applied Human Sciences.

The Department of Sociology and Anthropology offers three types of courses: sociology courses with the prefix SOC*; anthropology courses with the prefix ANTH*; and departmental courses with the prefix SOAN*. The departmental category of courses recognizes the fact that the disciplines of sociology and sociocultural anthropology have developed in tandem and it is possible to identify large areas of overlap and convergence in the work of practitioners both historically and in the present. Departmental courses include most of the core theory and methods courses as well as many elective courses. They contribute equally to the subject matter of sociology as well as the subject matter of sociocultural anthropology for purposes of the undergraduate programs of study in both disciplines. Please see the listings for all courses required for the Anthropology program.

Courses will normally be offered in the semesters designated. Please check with the department for information about additional semester offerings. In addition to regularly scheduled courses, students may elect to do independent study. A student who wishes to do a reading course should first consult the professor with whom he/she wishes to work. Please note, a student is allowed a total of 1.00 credits only for reading courses.

Anthropology credit may also be given for some Sociology courses, with the exception of SOC*3840 through SOC*4910 inclusive. See a Sociology/Anthropology Faculty Advisor for approval of substitutions.

Area of Concentration (General Program)

A minimum of 6.00 credits is required, including:

ANTH*1150	[0.50]	Anthropology
ANTH*2160	[0.50]	Social Anthropology
SOAN*2111/2	[1.00]	Classical Theory

SOAN*2120 [0.50] Introductory Methods
 One of:
 LING*1000 [0.50] Introduction to Linguistics
 MUSC*2110 [0.50] Music of the Circum-Atlantic and the Americas
 MUSC*2200 [0.50] Music of the Near and Far East
 2.00 more credits in anthropology (ANTH) courses and 1.00 more credits in departmental (SOAN) courses. 1.50 credits of these 3.00 credits must be at the 3000 level or above.

Major (Honours Program)

A minimum of 9.00 credits is required, including:

ANTH*1150 [0.50] Anthropology
 ANTH*2160 [0.50] Social Anthropology
 ANTH*3690 [0.50] Anthropological Theory
 ANTH*4300 [0.50] Anthropological Issues
 LING*1000 [0.50] Introduction to Linguistics
 SOAN*2111/2 [1.00] Classical Theory
 SOAN*2120 [0.50] Introductory Methods
 SOAN*3070 [0.50] Qualitative and Observational Methods
 One of:
 MUSC*2110 [0.50] Music of the Circum-Atlantic and the Americas
 MUSC*2200 [0.50] Music of the Near and Far East

2.50 more credits in anthropology (ANTH) courses and 1.50 more credits in departmental (SOAN) courses. 1.00 credits of these 4.00 credits must be at the 4000 level.
 Note: SOAN*3120 is recommended, especially for students planning to enter graduate programs.

Minor (Honours Program)
 A minimum of 6.00 credits is required, including:

ANTH*1150 [0.50] Anthropology
 ANTH*2160 [0.50] Social Anthropology
 ANTH*3690 [0.50] Anthropological Theory
 SOAN*2111/2 [1.00] Classical Theory
 SOAN*2120 [0.50] Introductory Methods
 One of:
 LING*1000 [0.50] Introduction to Linguistics
 MUSC*2110 [0.50] Music of the Circum-Atlantic and the Americas
 MUSC*2200 [0.50] Music of the Near and Far East

1.50 more credits in anthropology (ANTH) courses and 1.00 more credits in departmental (SOAN) courses. 1.00 credits of these 2.50 credits must be at the 3000 level or above.
 Note: Sociology credit may also be given for most Anthropology courses, with the exception of ANTH*3840 through ANTH*4910 inclusive.

Applied Economics (APEC)
 Department of Economics, College of Social and Applied Human Sciences.

The Applied Economics program provides students with an opportunity to pursue the study of economics as it is applied to a particular area. In addition to the Applied Economics core, students identify an Area of Emphasis which includes relevant courses from other disciplines. In the final year of study, students take Applied Econometrics and complete a research project under the supervision of a faculty member.

Students are urged to consult the department's program planning guide and the department's advisors for detailed information about courses and programs and about the course of study most appropriate as preparation for graduate work in economics or business administration, for professional degrees such as the Bachelor's degree in Law, and for careers in business and government.

Note: Students specializing in Applied Economics who fail an Economics course twice will not be permitted to continue in the Applied Economics program.

Major (Honours Program)

Core Requirements

ECON*1050 [0.50] Introductory Microeconomics
 ECON*1100 [0.50] Introductory Macroeconomics
 ECON*2310 [0.50] Intermediate Microeconomics
 ECON*2410 [0.50] Intermediate Macroeconomics
 ECON*2740 [0.50] Economic Statistics
 ECON*2770 [0.50] Introductory Mathematical Economics
 ECON*3600 [0.50] Macroeconomics in an Open Economy
 ECON*3710 [0.50] Advanced Microeconomics
 ECON*3740 [0.50] Introduction to Econometrics
 ECON*3770 [0.50] Mathematical Economics and Game Theory
 ECON*4640 [0.50] Applied Econometrics I
 ECON*4950 [0.50] Applied Economics Research Project

One Economic History Course

One Area of Emphasis

Note: ECON*2770 requires a first year university calculus course.

Areas of Emphasis

Economic Policy

POLS*1400 [0.50] Public Management and Administration

0.50 additional credits in Economics at the 4000 level

Two of:

ECON*2000 [0.50] Contemporary Economic Problems in Canada
 ECON*2500 [0.50] Introduction to the Economics of Law, Crime and Enforcement
 ECON*3300 [0.50] Economics of Health and the Workplace
 ECON*3500 [0.50] Urban Economics
 ECON*3510 [0.50] Money, Credit and the Financial System
 ECON*3580 [0.50] Economics of Regulation
 ECON*3610 [0.50] Public Economics

Note: Only one of ECON*2000 and ECON*2500 may be selected.

One of:

POLS*2250 [0.50] Public Administration
 POLS*2300 [0.50] Canadian Government
 POLS*3250 [0.50] Public Policy: Challenges and Prospects

Two of:

ECON*4500 [0.50] Topics in Urban Economics
 ECON*4750 [0.50] Topics in Public Economics
 ECON*4760 [0.50] Topics in Monetary Economics
 ECON*4860 [0.50] Seminar in Current Economic Problems
 ECON*4880 [0.50] Topics in International Economics

Note: Students who are considering graduate studies in Economics are advised to take the following courses:

ECON*4710 [0.50] Advanced Topics in Microeconomics
 ECON*4810 [0.50] Advanced Macroeconomic Theory

International Trade and Development

ECON*3620 [0.50] International Trade
 1.50 additional credits in Economics to include 1.00 credits at the 4000 level

One of:

ECON*2650 [0.50] Introductory Development Economics
 ECON*3720 [0.50] History of the World Economy since 1850

One of:

ECON*4830 [0.50] Economic Development
 ECON*4880 [0.50] Topics in International Economics

Two of:

IDEV*2010 [0.50] International Development Studies
 GEOG*2030 [0.50] International Political Geography
 POLS*2080 [0.50] Development and Underdevelopment
 POLS*2200 [0.50] International Relations

Labour and Industrial Relations

ECON*3520 [0.50] Labour Economics
 ECON*4790 [0.50] Topics in Labour Market Theory

1.00 additional credits in Economics at the 4000 level

One of:

ISS*2500 [0.50] Management in Organizations
 PSYC*3070 [0.50] Psychology in Human Resource Management
 HTM*4390 [0.50] Individuals and Groups in Organizations

Two of:

ECON*2200 [0.50] Industrial Relations
 ECON*3300 [0.50] Economics of Health and the Workplace
 ECON*3530 [0.50] Industrial Organization

Money and Finance

AGEC*2220 [0.50] Financial Accounting
 AGECE*2230 [0.50] Management Accounting
 ECON*3510 [0.50] Money, Credit and the Financial System
 ECON*3560 [0.50] Theory of Finance
 ECON*3660 [0.50] Economics of Equity Markets

1.00 additional credits in Economics at the 4000 level

One of:

AGEC*4240 [0.50] Futures and Options Markets
 ECON*4760 [0.50] Topics in Monetary Economics

Resources and the Environment

AGEC*2700 [0.50] Survey of Natural Resource Economics
 ECON*2100 [0.50] Economic Growth and Environmental Quality
 ECON*4930 [0.50] Environmental Economics

2.00 additional credits in Economics to include 1.00 credits at the 4000 level

One of:

AGEC*4310 [0.50] Resource Economics
 GEOG*1220 [0.50] Human Impact on the Environment
 PHIL*2070 [0.50] Philosophy of the Environment

Art History (ARTH)

School of Fine Art and Music, College of Arts.

The School provides for concentrated study in Art History or Studio Arts, or for a more balanced study combining the two disciplines. Both Studio Art and Art History degree programs require some work in both the programs. Many Art History courses are also open to non specialized students.

The Art History program covers historical perspectives on the visual arts, study of the methodologies of art history and critical theory, and consideration of contemporary issues in the practice and display of art. Students pursuing a Major or Minor in Art History are required to take a minimum number of courses in each of three areas of focus in the program: Western Art; Visual Arts of the Americas; and Art Theory, Critical Methodology and Museology. The groups of courses that comprise these areas of focus are listed below. Students interested in the study of Art History in conjunction with other programs are recommended to look at the Minors offered in Visual Arts of the Americas, Museum Studies, and Art Theory and Criticism. Specific requirements for the Art History Honours Major and Minor are listed below.

Student Counselling

The students who elect to take a substantial number of courses in Art History with the objective of graduate work are advised to obtain counselling from faculty regarding their choices. It is important to know that graduate studies in Art History will usually require a reading knowledge of at least 2 languages other than English. German, French, Italian and Latin are among the most useful choices. Cognate electives in other disciplines in the College of Arts (such as History) will almost certainly prove an asset.

Art History Core Requirements

All students are required to complete the following core courses [2.00 credits]:

ARTH*1220	[0.50]	The Visual Arts Today
ARTH*1510	[0.50]	Art Historical Studies I
ARTH*1520	[0.50]	Art Historical Studies II

and one [0.50] of the following:

SART*1050	[0.50]	Integrated 2-D Media
SART*1060	[0.50]	Media Convergence

Major (Honours Program)

A minimum of 9.00 credits is required, including:

- the Art History core
- 2.00 credits from the Western Art area of focus including: 0.50 credit in Ancient (ARTH*2150, ARTH*3150), 0.50 credit in Medieval (ARTH*2540, ARTH*3540), 0.50 credit from Renaissance & Baroque (ARTH*2550, ARTH*2950, ARTH*3100, ARTH*3550, ARTH*3640), 0.50 credit from Modern (ARTH*2280, ARTH*2290, ARTH*2580, ARTH*2600, ARTH*3520, ARTH*3570)
- 1.50 credits from the Arts of the Americas area of focus
- 1.00 credits from the Art Theory, Critical Methodology and Museology area of focus
- 2.50 additional credits in Art History

Note: a minimum of 4.00 credits in Art History must be at the 3000 level or above, including at least 1.00 credits in Art History at the 4000 level.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- ARTH*1220, ARTH*1510, ARTH*1520
- 3.50 additional credits in Art History including 0.50 credits in each of the three areas of focus and at least 2.00 credits at the 3000 or 4000 level.

Areas of Focus

Western Art

ARTH*2150	[0.50]	Western Art: Greece
ARTH*2280	[0.50]	Western Art: Modern Architecture
ARTH*2290	[0.50]	Western Art: Photographic Media
ARTH*2540	[0.50]	Western Art: Medieval
ARTH*2550	[0.50]	Western Art: Italian Renaissance
ARTH*2580	[0.50]	Western Art: Late Modern
ARTH*2600	[0.50]	Western Art: Early Modern
ARTH*2950	[0.50]	Western Art: Baroque
ARTH*3100	[0.50]	Perspectives: Structure and Space in Renaissance and Baroque Art
ARTH*3150	[0.50]	Space: Roman Art and Urbanism
ARTH*3200	[0.50]	Colour: Practice and Meanings in Western Art
ARTH*3520	[0.50]	Idea: Art Since 1950
ARTH*3540	[0.50]	Image: The Arts in the High Middle Ages
ARTH*3550	[0.50]	Lives: Aspects of High Renaissance Art
ARTH*3570	[0.50]	Display: Visual Culture in Late 19th Century Europe
ARTH*3640	[0.50]	Objects: Baroque Art and Rococo Art
ARTH*4150	[0.50]	Questions in Western Art I
ARTH*4160	[0.50]	Questions in Western Art II

Arts of the Americas

ARTH*2050	[0.50]	Arts of the Americas: Latin America
ARTH*2060	[0.50]	Arts of the Americas: Aboriginal Perspectives
ARTH*2070	[0.50]	Arts of the Americas: The USA
ARTH*2490	[0.50]	Arts of the Americas: Canada
ARTH*3010	[0.50]	Americas: Canada
ARTH*3050	[0.50]	Americas: Meso America
ARTH*3060	[0.50]	Americas: Public Art

ARTH*4050	[0.50]	Questions in the Americas I
ARTH*4060	[0.50]	Questions in the Americas II

Arts Theory, Critical Methodology and Museology

ARTH*2120	[0.50]	Museology
ARTH*2480	[0.50]	Introduction to Art Theory and Criticism
ARTH*3210	[0.50]	Critical Issues
ARTH*3220	[0.50]	Nationalism and Identity in Art
ARTH*3780	[0.50]	Gender and Art
ARTH*4550	[0.50]	Questions in Criticism
ARTH*4620	[0.50]	Museum Studies

Note: Details of advanced standing for transfer students from the Ontario College of Art can be found in the section on Admission Information.

Art Theory and Criticism (ATC)

School of Fine Art and Music.

The Minor program in Art Theory and Criticism offers students the opportunity to engage critically with the most significant interpretative methods art historians and critics use to analyze artwork. Courses will provide an overview of important debates in the field and of their contexts, as well as informed discussions of the issues that are raised when textuality and visually come together.

This program of study is designed as a complement to a significant number of Major specialization, and is suitable for any student wishing to broaden their knowledge beyond their Major area of study. Students wishing to combine this Minor with a Major in Art History are advised that the selection of their required courses should begin early in their degree, and that they should obtain counselling from faculty to ensure they can achieve the correct distribution.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- ARTH*1220 [0.50] The Visual Arts Today
- ARTH*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II
- PHIL*3050 [0.50] Philosophy of Art
- 3.00 additional credits in Art History as follows:
 - ARTH*2480 [0.50] Introduction to Art Theory and Criticism
 - ARTH*3210 [0.50] Critical Issues
 - ARTH*3220 [0.50] Nationalism and Identity in Art
 - ARTH*3520 [0.50] Idea: Art Since 1950
 - ARTH*3780 [0.50] Gender and Art
 - ARTH*4550 [0.50] Questions in Criticism

Business Administration (BADM)

Department of Economics, College of Social and Applied Human Sciences.

Interdisciplinary study in Business Administration is offered as a minor in the honours program. Students in this program will be counselled by the Department of Economics. It is possible for students to pursue a more intensive program in the area of business administration and economics; see the heading Applied Economics in the B.A. degree and the heading Management Economics in Industry and Finance in the B.Comm. degree.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

AGEC*2220	[0.50]	Financial Accounting
AGEC*2230	[0.50]	Management Accounting
COST*3040	[0.50]	Business and Consumer Law
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*3560	[0.50]	Theory of Finance

One of:

AGEC*3310	[0.50]	Operations Management
HTM*4390	[0.50]	Individuals and Groups in Organizations

One of:

AGEC*4370	[0.50]	Marketing Management
COST*1000	[0.50]	Introduction to Marketing Management

Classical Languages (CLAL)

School of Languages and Literatures, College of Arts.

The Classical Languages program imparts an advanced knowledge of Greek and Latin and is designed for students who have a special interest in literature, history and philosophy or plan to do postgraduate study in any area of Classics.

Core Requirements

GREK*1100, GREK*1110, GREK*2020, LAT*1100, LAT*1110, LAT*2000

Major (Honours Program)

A minimum of 9.00 credits is required, including:

- the Classical Languages core

- b. any 5.00 credits from CLAS*3050, CLAS*3060, CLAS*3070, CLAS*3080, CLAS*3090, CLAS*3120, CLAS*4010

- c. LAT*4100, LAT*4150

Minor (Honours Program)

A minimum of 6.00 credits is required, including:

- a. the Classical Languages core
b. any 3.00 credits from those listed under Item (b) above

Classical Studies (CLAS)

School of Languages and Literatures, College of Arts.

The program in Classical Studies is intended particularly for students interested in Greek and Roman culture, society and history.

Core Requirements

- a. CLAS*1000, plus EITHER (GREK*1100, GREK*1110, GREK*2020) OR (LAT*1100, LAT*1110, LAT*2000)
b. one of CLAS*2000, CLAS*2150, CLAS*2350, CLAS*3100
c. one of CLAS*3000, CLAS*3010, CLAS*3020
d. one of CLAS*3030, CLAS*3040
e. one of CLAS*3150, CLAS*3200, HIST*2850, PHIL*2140

Major (Honours Program)

A minimum of 8.00 credits is required, including:

- a. the Classical Studies Core
b. CLAS*4000, CLAS*4150, CLAS*4400
c. 2.50 additional credits in Classics, 1.00 of which may be taken from the following as part of the program:
d. ENGL*1410 [0.50] Major English Writers
HIST*2200 [0.50] The Medieval World
LING*1000 [0.50] Introduction to Linguistics

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- a. the Classical Studies Core
b. two of CLAS*4000, CLAS*4150, CLAS*4400

Cognitive Neuropsychology (CGNR)

Department of Psychology, College of Social and Applied Human Sciences.

Ellis and Young (1988) defined cognitive psychology as the "study of those mental processes which underlie and make possible our everyday ability to recognize familiar objects and people, to find our way around in the world, to speak, read and write, and to plan and execute actions, to think, make decisions and remember." They proposed two complementary aims in the study of cognitive neuropsychology:

- i. To explain the patterns of impaired and intact cognitive performance seen in brain-injured patients in terms of damage to one or more of the components of a theory or model of normal cognitive functioning.
ii. To draw conclusions about normal, intact cognitive processes from the patterns of impaired and intact capabilities seen in brain-injured patients.

The Minor program in Cognitive Neuropsychology is targeted for students seeking to broaden their knowledge beyond their major area of study. It may be of particular interest to students specializing in biology or computer science. A Minor in cognitive neuropsychology will prove valuable to students seeking careers in research and medicine.

Minor (Honours Program)

(May not be taken in combination with a Psychology Honours Major)

A minimum of 6.00 credits is required, including:

- PSYC*1100 [0.50] Principles of Behaviour
PSYC*1200 [0.50] Dynamics of Behaviour
PSYC*2360 [0.50] Introductory Research Methods
PSYC*2390 [0.50] Principles of Sensation and Perception
PSYC*2410 [0.50] Behavioural Neuroscience I
PSYC*2650 [0.50] Cognitive Psychology
PSYC*3330 [0.50] Memory
PSYC*3340 [0.50] Psycholinguistics
PSYC*3410 [0.50] Behavioural Neuroscience II
PSYC*4600 [0.50] Cognitive Neuroscience

0.50 additional credit in Psychology

One of:

- PSYC*2010 [0.50] Quantification in Psychology
STAT*2040 [0.50] Statistics I

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

Computing and Information Science (CIS)

Department of Computing and Information Science, College of Physical and Engineering Science.

The Computing and Information Science program emphasizes the applications of computing in other academic disciplines and in business environments. "B" grades are required for but do not guarantee admission to semester three of C.I.S. programs. The BA Program serves students who want computing at the core of a liberal education. The BA is also suited for students who wish to manipulate quantities of data or apply computing techniques across disciplines, especially in the social sciences, humanities or fine arts. Students with a more narrowly focused area of application might consider the BSc program for the natural and biological sciences or the B.Comp Program for other specializations. All three programs can lead to graduate work or positions in industry.

Area of Concentration (General Program)

A minimum of 5.25 credits is required, including:

CIS*1500	[0.50]	Introduction to Programming
CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2430	[0.50]	Object Oriented Programming
CIS*2500	[0.50]	Intermediate Programming
CIS*2520	[0.50]	Data Structures
CIS*2750	[0.75]	Software Systems Development and Integration
CIS*2910	[0.50]	Discrete Structures in Computing II
CIS*3530	[0.50]	Data Base Systems and Concepts

1.00 additional C.I.S. credits at the 2000 level or higher

Major (Honours Program)

Semester 1

CIS*1500	[0.50]	Introduction to Programming
MATH*1200	[0.50]	Calculus I

1.00 elective from different subject areas in the College of Arts (ENGL*1080 or ENGL*1200 is recommended)

0.50 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 2

CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2500	[0.50]	Intermediate Programming

0.50 elective from the College of Arts

1.00 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 3

CIS*2030	[0.50]	Structure and Application of Microcomputers
CIS*2430	[0.50]	Object Oriented Programming
CIS*2520	[0.50]	Data Structures
CIS*2910	[0.50]	Discrete Structures in Computing II

0.50 elective

Semester 4

CIS*2750	[0.75]	Software Systems Development and Integration
CIS*3110	[0.50]	Operating Systems
STAT*2040	[0.50]	Statistics I

0.75 elective

Note: 0.50 elective may be selected in semester 4 followed by 0.50 elective in semester 5

Semester 5

CIS*2460	[0.50]	Modelling of Computer Systems
CIS*3530	[0.50]	Data Base Systems and Concepts
CIS*3750	[0.75]	System Analysis and Design in Applications

0.5 C.I.S. elective at 3000 level or above (CIS*3210 [0.50] is recommended)

0.25 electives

Semester 6

CIS*3490	[0.50]	The Analysis and Design of Computer Algorithms
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1.00 C.I.S. electives at 3000 level or above

1.00 electives

Semester 7

1.00 C.I.S.. credits at the 4000 level

1.50 elective

Semester 8

1.00 C.I.S. credit at the 4000 level

1.50 electives

*1.50 electives in semesters 1 and 2 must be from at least two of the following subject areas in the College of Social and Applied Human Sciences: ANTH, ECON, GEOG, POLS, PSYC, SOAN, SOC, WMST

Minor (Honours Program)

A minimum of 5.25 credits is required, including:

CIS*1500	[0.50]	Introduction to Programming
CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2430	[0.50]	Object Oriented Programming
CIS*2500	[0.50]	Intermediate Programming
CIS*2520	[0.50]	Data Structures
CIS*2750	[0.75]	Software Systems Development and Integration
CIS*2910	[0.50]	Discrete Structures in Computing II
CIS*3530	[0.50]	Data Base Systems and Concepts

1.00 additional credits from C.I.S. or STAT courses at the 2000 level or above

Computing and Information Science (Co-op) (CIS:C)

Department of Computing and Information Science, College of Physical and Engineering Science.

The 4 year Honours Program Major in Computing and Information Science is also available as a Co-operative Education Program. Three co-op work terms are required.

COOP*1100 must be completed in the 2nd academic semester (Winter of year 1). Students may apply for these options at the time of University admission or completion of semester 2. A five year option with four work terms is also available. Please see the department's co-op academic advisor for details.

Conditions for graduation are the same as the corresponding regular B.A. program. In addition, all work reports must have a grade of satisfactory or better.

Recommended work terms are shown below:

Work/Study Semesters

List A

Semester 1(Fall)

CIS*1500	[0.50]	Introduction to Programming
MATH*1200	[0.50]	Calculus I

1.00 elective from different subject areas in the College of Arts (ENGL*1080 or ENGL*1200 is recommended)

0.50 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 2(Winter)

CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2500	[0.50]	Intermediate Programming
COOP*1100	[0.00]	Introduction to Co-operative Education

0.50 elective from the College of Arts

1.00 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 3(Summer)

CIS*2030	[0.50]	Structure and Application of Microcomputers
CIS*2430	[0.50]	Object Oriented Programming
CIS*2520	[0.50]	Data Structures
CIS*2910	[0.50]	Discrete Structures in Computing II

0.50 elective in the Area of Application or elective

Fall Semester

COOP*1000	[0.00]	Co-op Work Term I
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Semester 4(Winter)

CIS*2750	[0.75]	Software Systems Development and Integration
CIS*3110	[0.50]	Operating Systems
STAT*2040	[0.50]	Statistics I

0.75 elective

Summer Semester

COOP*2000	[0.00]	Co-op Work Term II
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Semester 5(Fall)

CIS*2460	[0.50]	Modelling of Computer Systems
CIS*3530	[0.50]	Data Base Systems and Concepts
CIS*3750	[0.75]	System Analysis and Design in Applications

0.50 C.I.S. elective at 3000 level or above (CIS*3210 recommended)
0.25 electives

Winter Semester

COOP*3000	[0.00]	Co-op Work Term III
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Semester 6(Summer)

CIS*3490	[0.50]	The Analysis and Design of Computer Algorithms
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1.00 C.I.S. electives at 3000 level or above

1.00 electives

Semester 7(Fall)

1.00 C.I.S. credits at the 4000 level

1.50 elective

Semester 8(Winter)

1.00 C.I.S. credit at the 4000 level

1.50 electives

*1.50 electives in semesters 1 and 2 must be from at least two of the following subject areas in the College of Social and Applied Human Sciences: ANTH, ECON, GEOG, POLS, PSYC, SOAN, SOC, WMST

List B

Semester 1(Fall)

CIS*1500	[0.50]	Introduction to Programming
MATH*1200	[0.50]	Calculus I

1.00 elective from different subject areas in the College of Arts (ENGL*1060 or ENGL*1200 is recommended)

0.50 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 2(Winter)

CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2500	[0.50]	Intermediate Programming
COOP*1100	[0.00]	Introduction to Co-operative Education

0.50 elective from the College of Arts

1.00 elective from selected subject areas in the College of Social and Applied Human Sciences*

Semester 3(Summer)

CIS*2030	[0.50]	Structure and Application of Microcomputers
CIS*2430	[0.50]	Object Oriented Programming
CIS*2520	[0.50]	Data Structures
CIS*2910	[0.50]	Discrete Structures in Computing II

0.50 elective in the Area of Application or elective

Fall Semester

COOP*1000	[0.00]	Co-op Work Term I
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Semester 4(Winter)

CIS*2750	[0.75]	Software Systems Development and Integration
CIS*3110	[0.50]	Operating Systems
CIS*3490	[0.50]	The Analysis and Design of Computer Algorithms
STAT*2040	[0.50]	Statistics I

0.25 credits in the Area of Application or elective

Summer Semester

COOP*2000	[0.00]	Co-op Work Term II
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Semester 5(Fall)

CIS*2460	[0.50]	Modelling of Computer Systems
CIS*3530	[0.50]	Data Base Systems and Concepts
CIS*3750	[0.75]	System Analysis and Design in Applications

0.75 credits in the Area of Application or elective

Winter Semester

COOP*3000	[0.00]	Co-op Work Term III
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Semester 6(Summer)

Alternative 1 [Recommended]

CIS*3760	[0.75]	Software Engineering
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0.50 C.I.S. elective at the 3000 level or above

1.25 credits in the Area of Application or elective

OR Alternative 2

1.50 C.I.S. electives at the 3000 level or above

1.00 credits in the Area of Application or elective

Semester 7(Fall)

1.00 credits in the Area of Application or elective

0.50 credits in the C.I.S. at 3000 level or above

1.00 credits in C.I.S. at the 4000 level

Semester 8(Winter)

CIS*4000	[0.50]	Applications of Computing Seminar
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1.00 C.I.S. credit at the 4000 level

1.50 credits in the Area of Application or elective

0.50 credits in the C.I.S. at 4000 level

*1.50 electives in semesters 1 and 2 must be from at least two of the following subject areas in the College of Social and Applied Human Sciences: ANTH, ECON, GEOG, POLS, PSYC, SOAN, SOC, WMST

Criminal Justice and Public Policy (CJPP)

Department of Sociology and Anthropology, and the Department of Political Science, College of Social and Applied Human Sciences.

Criminal Justice and Public Policy is offered as a minor in the honours program and as a major in the honours program. It is designed to provide students seeking a career in the criminal justice system, or planning to pursue an advanced degree with a knowledge base that will enable them to pursue their career objectives. The program offers a unique blend of sociological courses dealing with the criminal justice system as well as courses in Political Science dealing with public policy formation and implementation. It also provides students with the conceptual and methodological tools needed for further study.

Students who are not admitted directly into the CJPP major and subsequently wish to declare the specialization must apply directly to the department. In order to be eligible, applicants must have a cumulative average of 70% or better in the following foundation courses:

POLS*1400	[0.50]	Public Management and Administration
POLS*2250	[0.50]	Public Administration
POLS*2300	[0.50]	Canadian Government
SOAN*2120	[0.50]	Introductory Methods
SOC*1500	[0.50]	Crime and Criminal Justice
SOC*2700	[0.50]	Criminological Theory

Note: The requirement for an average of 70% or better applies only to students admitted to the University of Guelph after 30 April 2002.

Students wishing to declare the CJPP minor must also meet the above requirement.

Students from other institutions who transfer to the University of Guelph and wish to declare the CJPP major or minor must also meet the above requirement. If an external transfer student is granted credit for one or more of the foundation courses listed above, then he or she must attain a cumulative average of 70% or better in the remaining required CJPP foundation courses.

Note: There is no CJPP Area of Concentration in the General Program as of Fall 2002.

Major (Honours Program)

A minimum of 9.00 credits is required, including:

PHIL*1010	[0.50]	Introductory Philosophy: Social and Political Issues
POLS*1400	[0.50]	Public Management and Administration
POLS*2250	[0.50]	Public Administration
POLS*2300	[0.50]	Canadian Government
SOAN*2120	[0.50]	Introductory Methods
SOC*1500	[0.50]	Crime and Criminal Justice
SOC*2700	[0.50]	Criminological Theory

One of:

POLS*3650	[0.50]	The Systematic Study of Politics
SOAN*3120	[0.50]	Quantitative Methods

Three of:

SOC*2070	[0.50]	Social Deviance
SOC*2750	[0.50]	Serial Murder
SOC*3490	[0.50]	Law and Society
SOC*3710	[0.50]	Young Offenders
SOC*3730	[0.50]	Courts and Society
SOC*3740	[0.50]	Corrections and Penology
SOC*3750	[0.50]	Police in Society

Three of:

POLS*3110	[0.50]	Politics of Ontario
POLS*3130	[0.50]	Law, Politics, and Judicial Process
POLS*3210	[0.50]	The Constitution and Canadian Federalism
POLS*3250	[0.50]	Public Policy: Challenges and Prospects
POLS*3300	[0.50]	Governing Criminal Justice
POLS*3440	[0.50]	Corruption, Scandal and Political Ethics
POLS*3670	[0.50]	Comparative Public Policy and Administration

One of:

HIST*3130	[0.50]	Popular Culture and Punishment, 1700-1900
PHIL*3040	[0.50]	Philosophy of Law
PHIL*3230	[0.50]	Issues in Social and Political Philosophy
PSYC*3020	[0.50]	Psychology of Law

Three of:

POLS*4100	[0.50]	Women, Justice and Public Policy
POLS*4120	[0.50]	Civil Rights and Civil Liberties in Canada and the U.S.
POLS*4250	[0.50]	Problems in Public Administration and Public Policy
POLS*4260	[0.50]	Topics in Public Policy
SOC*4010	[0.50]	Violence and Society
SOC*4030	[0.50]	Advanced Topics in Criminology
SOC*4200	[0.50]	Advanced Topics in Criminal Justice
SOC*4900	[0.50]	Honours Sociology Thesis I
SOC*4910	[0.50]	Honours Sociology Thesis II

Minor (Honours Program)

A minimum of 6.00 credits is required, including:

PHIL*1010	[0.50]	Introductory Philosophy: Social and Political Issues
POLS*1400	[0.50]	Public Management and Administration
POLS*2250	[0.50]	Public Administration
POLS*2300	[0.50]	Canadian Government
SOAN*2120	[0.50]	Introductory Methods
SOC*1500	[0.50]	Crime and Criminal Justice
SOC*2700	[0.50]	Criminological Theory

Two of:

SOC*2070	[0.50]	Social Deviance
SOC*2750	[0.50]	Serial Murder
SOC*3490	[0.50]	Law and Society

SOC*3710	[0.50]	Young Offenders
SOC*3730	[0.50]	Courts and Society
SOC*3740	[0.50]	Corrections and Penology
SOC*3750	[0.50]	Police in Society
Two of:		
POLS*3110	[0.50]	Politics of Ontario
POLS*3130	[0.50]	Law, Politics, and Judicial Process
POLS*3210	[0.50]	The Constitution and Canadian Federalism
POLS*3300	[0.50]	Governing Criminal Justice
POLS*3250	[0.50]	Public Policy: Challenges and Prospects
POLS*3440	[0.50]	Corruption, Scandal and Political Ethics
POLS*3670	[0.50]	Comparative Public Policy and Administration
One of:		
HIST*3130	[0.50]	Popular Culture and Punishment, 1700-1900
PHIL*3040	[0.50]	Philosophy of Law
PHIL*3230	[0.50]	Issues in Social and Political Philosophy
PSYC*3020	[0.50]	Psychology of Law

Developmental Psychology (DPSY)

Department of Psychology, College of Social and Applied Human Sciences.

The focus of Developmental Psychology is the study of the theory, research, and applied interventions associated with the way humans develop and change over time. This focus is especially significant for anyone interested in how we might solve the challenges presented by life. These include the special challenges presented by schooling, parenting, socialization within and beyond the family, coping with stress, and some of the individual differences and atypical behaviors exhibited by ourselves or others. This program of study is designed as a complement to a significant number of Major specializations, suitable for any student wishing to broaden their knowledge beyond their Major area of study.

Minor (Honours Program)

(May not be taken in combination with a Psychology Honours Major)

A minimum of 6.00 credits is required, including:

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour

2.50 credits across 5 Psychology Core Courses, to include PSYC*2330, PSYC*2450, PSYC*2650

2.00 credits from the following courses at the 3000 level:

PSYC*3440	[0.50]	Cognitive Development
PSYC*3450	[0.50]	Social and Personality Development
PSYC*3460	[0.50]	Abnormal Development
PSYC*3710	[0.50]	Psychology of Learning Difficulties and Disabilities I
PSYC*3850	[0.50]	Intellectual Disabilities

0.50 elective credit in Psychology at the 3000 level or above, with PSYC*3570,

PSYC*3800 or the 5th course from the above restricted elective list recommended.

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

Drama (DRMA)

School of English and Theatre Studies, College of Arts.

The Drama program is a component of a liberal education, and is dedicated to the integrated study of both academic and practical applications of drama and theatre. It offers introductory and advanced courses in dramatic literature, theatre history, criticism and theory, together with directing, acting, design and technical theatre in both general and honours programs. The Drama program has a special interest in the drama and theatre of Canada. Course offerings reflect this interest where appropriate.

Notes:

1. A maximum of 2.00 credits in Directed Readings or Special Studies Courses (DRMA*3410, DRMA*3420, DRMA*3600, DRMA*3610) is allowed in the honours program major. A maximum of 1.00 credits in such courses is allowed in honours program minor or the general program area of concentration. Students will normally be permitted to take only 0.50 credits in Directed Readings or Special Studies courses per semester.
2. Certain approved Dramatic Literature courses from other departments may be counted as Drama equivalents in the honours program major or minor or general program area of concentration. A list of approved courses may be obtained from the School of English and Theatre Studies.
3. In connection with DRMA*1000 students are required as part of the course to attend various specified theatre performances in cities such as Toronto, Stratford, Niagara-on-the-Lake, and London. A special fee is charged for travel to these performances and students will be notified during the first week of classes of the amount of this fee and the dates of the performances.

Area of Concentration (General Program)

A minimum of 5.00 credits in Drama is required, including:

- a. DRMA*1000, DRMA*1050, DRMA*2080, DRMA*2220, DRMA*2300
- b. at least one of DRMA*3180, ENGL*3180, DRMA*3550, DRMA*3850

- c. at least one of DRMA*3080, DRMA*3110, DRMA*3220, DRMA*3430, DRMA*3440, DRMA*3700
 d. 1.50 other credits in Drama

Major (Honours Program)

A minimum of 8.00 credits in Drama is required, including:

- a. DRMA*1000, DRMA*1050, DRMA*2080, DRMA*2220, DRMA*2300
 b. in addition, students must complete at least 0.50 credits at the 3000 level or above from each of the following areas: Dramatic Literature (ENGL*3020, FREN*3020, CLAS*3040, ENGL*3120, ENGL*3180, FREN*3210, FREN*3240, ENGL*3420, ENGL*3450, DRMA*3850, DRMA*4320, DRMA*4330) ; Theatre History (DRMA*3180, DRMA*4300); Theory of Drama and Theatre (DRMA*3550, DRMA*4310); Theatre Design or Technical Theatre (DRMA*3220, DRMA*3230, DRMA*3430, DRMA*3440, DRMA*4210); Acting or Directing (DRMA*3080, DRMA*3110, DRMA*3700, DRMA*4090);
 c. 3.00 other credits in Drama

At least 1.50 credits in Drama must be at the 4000 level, and must include at least one of DRMA*4300, DRMA*4310, DRMA*4320, DRMA*4330.

Minor (Honours Program)

A minimum of 5.00 credits in Drama is required, including :

- a. DRMA*1000, DRMA*1050, DRMA*2080, DRMA*2220, DRMA*2300
 b. at least one of DRMA*3180, ENGL*3180, DRMA*3550, DRMA*3850
 c. at least one of DRMA*3080, DRMA*3110, DRMA*3220, DRMA*3430, DRMA*3440, DRMA*3700
 d. 1.50 other credits in Drama

Economics (ECON)

Department of Economics, College of Social and Applied Human Sciences.

The Department of Economics offers courses in economic theory, applied economics and quantitative methods. Students may take courses leading to a B.A. in either the honours or the general program. It is possible to combine Economics with various other disciplines such as mathematics and statistics, business administration, political science, geography and history. Students are urged to consult the department's program planning guide and the department's advisors for detailed information about courses and programs and about the course of study most appropriate as preparation for graduate work in economics or business administration, for professional degrees such as the Bachelor's degree in Law, and for careers in business and government.

Core Requirements

ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*2740	[0.50]	Economic Statistics

Area of Concentration (General Program)

A minimum of 5.00 credits in Economics is required, including:

- a. the Economics core
 b. 2.50 other credits in Economics at the 3000 or 4000 level

Major (Honours Program)

A minimum of 9.00 credits in Economics is required, including:

The Economics core requirements

ECON*2770	[0.50]	Introductory Mathematical Economics
ECON*3600	[0.50]	Macroeconomics in an Open Economy
ECON*3710	[0.50]	Advanced Microeconomics
ECON*3740	[0.50]	Introduction to Econometrics
ECON*3770	[0.50]	Mathematical Economics and Game Theory
ECON*4710	[0.50]	Advanced Topics in Microeconomics
ECON*4810	[0.50]	Advanced Macroeconomic Theory

(Note: ECON*2770 requires a first year university calculus course)

One of:

ECON*2720	[0.50]	Business History
ECON*3550	[0.50]	North American Economic History
ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914
ECON*4720	[0.50]	Topics in Economic History

2.50 other credits in Economics at the 3000 or 4000 level, at least 1.50 of which must be at the 4000 level

Note: Students contemplating graduate studies in Economics should take ECON*4640, Applied Econometrics and ECON*4840, Applied Econometrics II.

Minor (Honours Program)

A minimum of 5.00 credits in Economics is required, including:

- a. the Economics core
 b. 2.50 other credits in economics at the 3000 or 4000 level

Notes:

- ECON*3740 is recommended.
- Students wishing to pursue a more structured Economics minor should take ECON*3710 as well as ECON*3740.
- Only one of ECON*2200 or ECON*3200 may be counted towards the minor. ECON*4800 may not be counted at the 4000 level for purposes of satisfying the minimum 4000 level credit requirements in the B.A. Honours Economics major. Only one of ECON*4900 or ECON*4910 may count in the B.A. program towards the minimum 4000 level requirement.

Economics (Co-op) (ECON:C)

Department of Economics, College of Social and Applied Human Sciences.

The Economics Co-op program provides an integrated academic/work experience for students with co-operating employer organizations. Students in the program must complete 4 work terms while fulfilling the requirements of their honours Economics program.

All co-op students must complete the Economics core plus an introductory computer science course (CIS*), ECON*2770 and ECON*3740 in their first 4 semesters. Admission in the co-op program is limited to students of high academic standing and will be considered only at semester 1 entry or at the end of semester 2. The first 2 work terms normally follow completion of the first 4 semesters of academic study. Students will only be permitted to take these work terms if they are eligible to continue in the Honours Economics program, have completed the required courses and are maintaining a satisfactory standing in their Economics program. The 3rd and 4th work terms will normally follow the 6th academic semester. For further information on the Economics Co-op program students are urged to consult the department's Program Guide and Co-operative Education Programs in Section X-degree Programs in this calendar.

Students should review the Economics section in the schedule of studies for additional program information.

Major (Honours Program)

Semester 1

ECON*1050	[0.50]	Introductory Microeconomics
One 1000 level calculus course		
1.50 electives		

Semester 2 (Winter)

ECON*1100	[0.50]	Introductory Macroeconomics
One computer science course		
1.50 electives		

Summer Semester

Optional -- at the discretion of the student.

Semester 3 (Fall)

COOP*1100	[0.00]	Introduction to Co-operative Education
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*2740	[0.50]	Economic Statistics
ECON*2770	[0.50]	Introductory Mathematical Economics
0.50 elective		

Semester 4 (Winter)

ECON*3740	[0.50]	Introduction to Econometrics
One economic history course*		
1.50 elective		

Summer Semester

COOP*1000	[0.00]	Co-op Work Term I
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Fall Semester

COOP*2000	[0.00]	Co-op Work Term II
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Semester 5 (Winter)

ECON*3600	[0.50]	Macroeconomics in an Open Economy
ECON*3770	[0.50]	Mathematical Economics and Game Theory
One 3000 level economics course		
1.00 elective		

Summer Semester

Optional -- at the discretion of the student.

Semester 6 (Fall)

ECON*3710	[0.50]	Advanced Microeconomics
One 4000 level Economics course (ECON*4640 is recommended)		
1.50 electives		

Winter Semester

COOP*3000	[0.00]	Co-op Work Term III
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Summer Semester

COOP*4000	[0.00]	Co-op Work Term IV
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Semester 7 (Fall)

ECON*4710	[0.50]	Advanced Topics in Microeconomics
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One 4000 level Economics course

1.00 electives

0.50 restricted electives

Semester 8 (Winter)

ECON*4810 [0.50] Advanced Macroeconomic Theory

0.50 Economics at the 4000 level

1.50 electives

*the economic history course may be taken in any semester

Educational Psychology (EPSY)

Department of Psychology, College of Social and Applied Human Sciences.

This program allows for specialization in Psychology as it relates to Education. It may be of particular interest to teachers, those considering teaching as a career, or anyone interested in the field of Educational Psychology.

Minor (Honours Program)

(May not be taken in combination with a Psychology Honours Major)

A minimum of 6.00 credits is required, including:

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour
PSYC*2010	[0.50]	Quantification in Psychology
PSYC*2450	[0.50]	Introduction to Developmental Psychology
PSYC*3250	[0.50]	Psychological Measurement
PSYC*3710	[0.50]	Psychology of Learning Difficulties and Disabilities I
PSYC*3800	[0.50]	Psychology and Education

0.50 credit from the following courses at the 2000 level:

PSYC*2330	[0.50]	Principles of Learning
PSYC*2650	[0.50]	Cognitive Psychology

2.00 credits from the following courses at the 3000 level:

PSYC*3310	[0.50]	Applied Social Psychology
PSYC*3330	[0.50]	Memory
PSYC*3340	[0.50]	Psycholinguistics
PSYC*3440	[0.50]	Cognitive Development
PSYC*3450	[0.50]	Social and Personality Development
PSYC*3460	[0.50]	Abnormal Development
PSYC*3720	[0.50]	Psychology of Learning Difficulties and Disabilities II
PSYC*3850	[0.50]	Intellectual Disabilities

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

English (ENGL)

School of English and Theatre Studies, College of Arts.

The School of English and Theatre Studies offers courses in the BA Program in English that focus on the study of literature and related texts across a broad range of theoretical, historical, and geographical sites. The School also welcomes non-majors into its courses, especially at the 1000, 2000, and 3000 levels, suitable to other majors within the College of Arts and beyond. Certain courses in Drama (DRMA) and in Literature in Translation (CLAS, GERM, HUMN, SPAN) may be counted towards a degree in English. Consult the School of English and Theatre Studies for details.

Area of Concentration (General Program)

A minimum of 5.50 English credits is required, including:

- 1.00 credits from ENGL*1080 and ENGL*2080
- 1.00 credits from ENGL*2120 and one of ENGL*2130, ENGL*3940, ENGL*3960
- 2.00 credits from 3000 level lecture courses to fulfill degree requirements as listed below

In addition, students must complete:

- 1.00 credits from any other 3000 level lecture courses
- 0.50 credit from any other seminar or lecture course

It is recommended that students take 0.50 credit at the 2000 level in a lecture course.

General Program Degree requirements to be fulfilled in part through 2.00 credits from 3000 level lecture courses in the following areas:

- 0.50 credit in Early Modern Literature
- 0.50 credit in 18th and 19th Century Literature
- 0.50 credit in Colonialisms/Postcolonialisms
- 0.50 credit in Canadian Literature/American Literature

Major (Honours Program)

A minimum of 8.50 English credits is required, including:

- 1.00 credits from ENGL*1080 and ENGL*2080
- 2.00 credits from ENGL*2120, ENGL*2130, ENGL*3940, ENGL*3960
- 3.50 credits from 3000 level lecture courses which fulfill degree requirements listed below
- 1.00 credits from 4000 level courses

e. 1.00 credits from any other lecture courses on offer.

It is recommended that students take two 2000 level lecture courses.

Honours Program Major Degree Requirements to be fulfilled in part through 3.50 credits from 3000 level lecture courses in the following areas:

- 1.00 credits in Early Modern Literature
- 1.00 credits in 18th and 19th Century Literature
- 0.50 credit in American Literature
- 0.50 credit in Canadian Literature
- 0.50 credit in Colonialisms/Postcolonialisms

Note: 4000 level courses may in some instances fulfill these area requirements, depending on their content. See the School of English and Theatre Studies for details.

Honours students interested in a more concentrated program or contemplating graduate work in English are strongly advised to:

- attain a good reading knowledge of another language, such as French
- take ENGL*3380 (Studies in the History of Literary Production), ENGL*3690 (History of Literary Criticism), ENGL*4690 (Contemporary Literary Theory)
- take at least 2.00 credits in English courses at the 4000 level

The M.A. program in English at Guelph gives preference to qualified applicants with a broad experience in literary and cultural studies and related disciplines.

Minor (Honours Program)

The program of study and requirements are the same as for the Area of Concentration in the General Program.

Environmental Studies (ENVS)

Interdisciplinary Program

Environmental Studies is an interdisciplinary subject stressing the integration of biophysical and human behavioral dimensions of environmental issues. The requirement of 5.00 credits for the minor is broken into 2 groups of courses, required courses and restricted electives. Students should ensure that they obtain standing in the necessary prerequisites for required and restricted elective courses. There are limitations on courses used for credit in other areas of study which may be used for credit in the Environmental Studies minor. Students should seek counselling from the Department of Geography early in their program.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

BIOL*1030	[0.50]	Biology I
BIOL*2060	[0.50]	Ecology
ISS*4000	[0.50]	Research Project in Environmental Studies

Two of the following social sciences courses:

ECON*2100	[0.50]	Economic Growth and Environmental Quality
GEOG*3210	[0.50]	Management of the Biophysical Environment
POLS*3370	[0.50]	Environmental Policy Formation and Administration

The remaining 2.50 credits required for the minor must be selected from the following list. The social science course listed above not taken as a required course may be taken as a restricted elective. However, students are strongly advised to consult with the program coordinator before choosing electives.

AGEC*2700	[0.50]	Survey of Natural Resource Economics
AGEC*4310	[0.50]	Resource Economics
BIOL*1040	[0.50]	Biology II
BIOL*3450	[0.50]	Introduction to Aquatic Environments
BOT*2050	[0.50]	Plant Ecology
CROP*2280	[0.50]	Crops in Land Reclamation
ECON*4930	[0.50]	Environmental Economics
ENGG*3650	[0.50]	Hydrology
ENVB*2030	[0.50]	Current Issues in Forest Science
ENVB*3000	[0.50]	Nature Interpretation
ENVB*3030	[0.50]	Pesticides and the Environment
ENVB*4780	[0.50]	Forest Ecology
GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment
GEOG*2110	[0.50]	Climate and the Biophysical Environment
GEOG*3110	[0.50]	Biotic and Natural Resources
GEOG*3610	[0.50]	Environmental Hydrology
GEOG*4110	[0.50]	Environmental Systems Analysis
LARC*2820	[0.50]	Urban and Regional Planning
PHIL*2070	[0.50]	Philosophy of the Environment
SOC*2280	[0.50]	Society and Environment
SOIL*2010	[0.50]	Soil Science
SOIL*3050	[0.50]	Land Utilization

European Studies (EURS)

Interdisciplinary Program.

Coordinator: Paola Mayer, School of Languages and Literatures, Ext. 58562.

The European Studies program is designed for students who seek a career in International Relations - especially in International Business and Administration - between Canada and Europe. It offers a combination of languages, specially designed courses in European thought, letters and history and specialization in either European Business or European Culture and Civilization

Successful completion of the European Studies major requires proficiency in one of the following languages (French, German, Italian or Spanish). In order to demonstrate language proficiency, students have two options: they may study for a year at a European University, in the country where their chosen core language is spoken, or they may write a final research paper in the chosen core language within a required fourth year European Studies course (see EURO*4740). It is highly recommended that students spend their third year studying at a European university, in the country where their chosen core language is spoken. The benefits of such an experience are considerable, both academically and personally. One specific academic outcome of a successful year abroad will be recognition that the student has fulfilled the program's core language requirement. Those who can demonstrate that they have written a major academic paper or exam in their chosen language while participating in an approved study year may be waived from the required course EURO*4740. See the Coordinator for the European Studies program for more information. See also the course description for EURO*4740.

Major (Honours Program)

A minimum of 13.00 credits is required, including:

- the three components of the European Studies core (8.00 credits)
- 5.00 credits in either the European Culture and Civilization or the European Business Studies area of emphasis

Core Requirements

- EURO*1050 [0.50] The Emergence of a United Europe
EURO*1200 [0.50] European Culture from the Mid 18th to the Mid 19th Century

EURO*2070 [0.50] European Integration, 1957-1992
EURO*2200 [0.50] European Culture from the Mid 19th Century to the 1920's

EURO*2300 [0.50] European Culture since 1920
EURO*4740 [0.50] Research Project in European Studies

Note: in order to demonstrate language proficiency, students must write a research paper (EURO*4740) in their core language unless they have spent one year studying at a European university, in the country where their chosen core language is spoken. Where that is the case, upon approval of the Coordinator for European Studies EURO*4740 will be waived.

- 3.00 credits in one language:

- | | | |
|------------------------|--------|-------------------------------------|
| FREN*2020 | [0.50] | France: Literature and Society |
| FREN*2030 | [0.50] | French Language II |
| FREN*2520 | [0.50] | French Composition I |
| FREN*2540 | [0.50] | Spoken French: Theory and Practice |
| FREN*3520 | [0.50] | French Composition II |
| FREN*3530 | [0.50] | Business French |
| OR | | |
| GERM*2400 | [0.50] | Contemporary Germany |
| GERM*2490 | [0.50] | Intermediate German I |
| GERM*2500 | [0.50] | Intermediate German II |
| GERM*2560 | [0.50] | Themes in German Literature/Culture |
| GERM*3500 | [0.50] | Advanced German |
| GERM*3530 or GERM*2590 | | |

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|-------------------------------------|--------|---------------------------------|
| OR | | |
| ITAL*2060 | [0.50] | Intermediate Italian I |
| ITAL*2070 | [0.50] | Intermediate Italian II |
| ITAL*2350 | [0.50] | Contemporary Italian Literature |
| ITAL*3060 | [0.50] | Advanced Italian |
| ITAL*3530 or ITAL*3150 or ITAL*3280 | | |
| ITAL*3950 | [0.50] | Topics in Italian Literature |

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|-----------|--------|---|
| OR | | |
| SPAN*2000 | [0.50] | Spanish Language I |
| SPAN*2010 | [0.50] | Spanish Language II |
| SPAN*2040 | [0.50] | Spanish Civilization |
| SPAN*2990 | [0.50] | Introduction to Hispanic Literary Studies |
| SPAN*3500 | [0.50] | Spanish Grammar and Composition I |
| SPAN*3530 | [0.50] | Business Spanish |

- CLAS*1000 [0.50] Introduction to Classical Culture
ISS*2500 [0.50] Management in Organizations
HIST*2510 [0.50] The Emergence of Modern European Society 1789-1945

POL*3450 [0.50] European Governments and Politics

Areas of Emphasis

European Business

Required courses:

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|-----------|--------|----------------------|
| AGEC*2220 | [0.50] | Financial Accounting |
|-----------|--------|----------------------|

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|-----------|--------|-----------------------------|
| AGEC*2230 | [0.50] | Management Accounting |
| AGEC*3320 | [0.50] | Financial Management |
| ECON*1050 | [0.50] | Introductory Microeconomics |
| ECON*1100 | [0.50] | Introductory Macroeconomics |

One of:

- | | | |
|-----------|--------|-----------------------|
| AGEC*3310 | [0.50] | Operations Management |
| AGEC*4370 | [0.50] | Marketing Management |

2.00 credits (4 courses) chosen from:

One of:

- | | | |
|-----------|--------|-----------------------|
| AGEC*3310 | [0.50] | Operations Management |
| AGEC*4370 | [0.50] | Marketing Management |

Note: each of these courses counts as either required or restricted elective, may not be double counted

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|-----------|--------|--|
| AGEC*4250 | [0.50] | Business Policy |
| COST*1000 | [0.50] | Introduction to Marketing Management |
| COST*2100 | [0.50] | Personal Financial Management |
| COST*2600 | [0.50] | Fundamentals of Consumer Behaviour |
| COST*3020 | [0.50] | Services & Retail Marketing |
| COST*3040 | [0.50] | Business and Consumer Law |
| ECON*2310 | [0.50] | Intermediate Microeconomics |
| ECON*2410 | [0.50] | Intermediate Macroeconomics |
| ECON*3560 | [0.50] | Theory of Finance |
| ECON*3660 | [0.50] | Economics of Equity Markets |
| ECON*3720 | [0.50] | History of the World Economy since 1850 |
| ECON*3730 | [0.50] | Europe and the World Economy to 1914 |
| HTM*2200 | [0.50] | Organizational Behaviour I |
| HTM*3000 | [0.50] | Human Resources Management |
| HTM*3100 | [0.50] | Dimensions of Tourism |
| HTM*3160 | [0.50] | Destination Management and Marketing |
| HTM*4170 | [0.50] | International Tourism Development and Management |
| HTM*4390 | [0.50] | Individuals and Groups in Organizations |
| STAT*2060 | [0.50] | Statistics for Business Decisions |

European Culture and Civilization

Students must take 5.00 credits (10 courses) including at least 0.50 credit (1 course) from each of the following four groups. The remaining 3.00 credits may be chosen from any of the courses in the four groups.

Group A

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|-----------|--------|--|
| CLAS*2000 | [0.50] | Classical Mythology |
| CLAS*2350 | [0.50] | The Classical Tradition |
| EURO*3150 | [0.50] | Topics in European Film |
| FREN*1000 | [0.50] | Understanding the French Speaking World |
| FREN*2500 | [0.50] | French Translation I |
| GERM*2240 | [0.50] | Germany Through the Ages |
| HIST*2850 | [0.50] | History of Greece and Rome |
| HUMN*3020 | [0.50] | Myth and Fairy Tales in Germany |
| HUMN*3170 | [0.50] | Women, Virtue and Honour in Spanish Drama (In English) |
| HUMN*3450 | [0.50] | 20th-Century German Literature and Film |
| HUMN*4170 | [0.50] | Don Quixote and the Picaresque Novel (In English) |

Group B

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|-----------|--------|---|
| HIST*1010 | [0.50] | Europe in the Age of Expansion |
| HIST*2200 | [0.50] | The Medieval World |
| HIST*2820 | [0.50] | Modern France, 1750-1992: From Louis XV to Mitterrand |
| HIST*2830 | [0.50] | The Emergence of Modern Germany 1871-1990 |
| HIST*3090 | [0.50] | Nationalism and Internationalism in Europe 1914-1957 |
| HIST*3290 | [0.50] | Europe in the Age of Revolutions, 1789-1848 |
| HIST*3540 | [0.50] | World War Two |
| HIST*3570 | [0.50] | Women in Modern Europe |
| HIST*3750 | [0.50] | The Reformation |
| HIST*3820 | [0.50] | Early Modern France |
| HIST*4470 | [0.50] | Special History Project Seminar I |
| HIST*4570 | [0.50] | Topics in Revolution |
| HIST*4580 | [0.50] | Topics in Revolution |

Group C

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|-----------|--------|--|
| ARTH*1510 | [0.50] | Art Historical Studies I |
| ARTH*1520 | [0.50] | Art Historical Studies II |
| ARTH*2550 | [0.50] | Western Art: Italian Renaissance |
| ARTH*2580 | [0.50] | Western Art: Late Modern |
| ARTH*2600 | [0.50] | Western Art: Early Modern |
| ARTH*3100 | [0.50] | Perspectives: Structure and Space in Renaissance and Baroque Art |
| ARTH*3550 | [0.50] | Lives: Aspects of High Renaissance Art |
| ARTH*3570 | [0.50] | Display: Visual Culture in Late 19th Century Europe |
| ARTH*3640 | [0.50] | Objects: Baroque Art and Rococo Art |
| MUSC*1060 | [0.50] | Introduction to Music |
| MUSC*2280 | [0.50] | Masterworks of Music |

Note: other music history courses may be counted if students with knowledge of music are granted waivers by instructor. The substitution(s) must also be approved by the ESP coordinator.

Group D

PHIL*2140	[0.50]	History of Greek and Roman Philosophy
PHIL*2160	[0.50]	Modern European Philosophy to Hume
PHIL*3060	[0.50]	Medieval Philosophy
PHIL*3080	[0.50]	History of Modern European Philosophy from Kant
PHIL*3200	[0.50]	Contemporary European Philosophy
POLS*3460	[0.50]	Communism and Post-Communism

Study Abroad

Year 3 or year 4 will provide students with the opportunity to continue their studies abroad. Students will select up to 6.00 credits which can be included in the area of emphasis, as electives, or both. They are subject to approval by the program coordinator and the departmental advisor. Courses taken in Europe will not count towards the specialization average.

Practicum Opportunity:

HUMN*3501/2 is available for those students wishing to participate in a practicum experience as part of the year abroad. The practicum must be a job or volunteer experience that contributes to the student's area of study and intended career. It must be approved in advance as a Letter of Permission by the Coordinator. A final report, written in the student's chosen language, is a requirement of this course.

Family and Child Studies (FCS)

Department of Family Relations and Applied Nutrition, College of Social and Applied Human Sciences.

Family and Child Studies is offered as a minor in the honours program. It is designed to provide students with an opportunity to pursue interdisciplinary studies which have a specific focus on human development over the life span and on the applied questions which relate to the needs of children and the functioning of families. Elective courses may be chosen to emphasize the family, the child, or a combination of the two. Students seeking counselling should consult with a departmental advisor in the Department of Family Relations and Applied Nutrition.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

FRHD*1010	[0.50]	Human Development
FRHD*1020	[0.50]	Couple and Family Relationships
FRHD*2270	[0.50]	Development in Early and Middle Childhood
FRHD*3040	[0.50]	Parenting: Research and Applications
NUTR*1010	[0.50]	Nutrition and Society

A further 2.50 courses offered by the Department of Family Relations and Applied Nutrition (FRHD or NUTR*2050), of which at least 1.50 must be at the 3000 level or above including at least 0.50 at the 4000 level.

Note: where students have or plan to have credit for PSYC*2450, an alternative course to FRHD*2270 must be selected, in consultation with the departmental advisor, from those offered under the Family Studies (FRHD) listings

French Studies (FREN)

School of Languages and Literatures, College of Arts.

All language courses carry 0.50 credit. Please note that students with Ontario Grade 12 credit or its equivalent in French are not normally admitted into FREN*1100. Francophone students may start the program with second-year courses conditional upon approval by the Faculty Advisor. Students majoring in French are advised to take elective courses in another Romance language and in Latin.

It is also recommended that students include CLAS*1000 and LING*1000 among the electives in order to derive the maximum benefit from their studies. Except where stated otherwise, literary texts are, at all levels, studied in the original language. Students registering in French courses are expected to have the appropriate academic background.

Studies in Quebec or Abroad

The French program encourages students to spend 1 or 2 semesters in a French-speaking province or country, or to pursue their studies in an immersion program at the university level. Credit for programs of study successfully completed may be applied towards the University of Guelph degree requirements. Requests should be addressed well in advance of registration to the Director of the School of Languages and Literatures. A letter of permission is required (see the Section VIII--Undergraduate Degree Regulations & Procedures). Students may also take advantage of federal-provincial programs such as the Second-Language Monitor program.

Year in Nice

A special year-long program in Nice, France, is offered to Guelph students at semester levels 5 and 6. All courses for which transfer credits have been arranged are credited at Guelph without the need for letters of permission; students pay only Guelph academic fees and are eligible for OSAP. For further information see the Head of French Studies.

Area of Concentration (General Program)

A minimum of 5.00 French credits taught in French is required, including FREN*1200, FREN*2020, FREN*2030, FREN*2060, FREN*2520, FREN*3520.

Major (Honours Program)

A minimum of 8.00 French credits taught in French is required, including:

- FREN*1200, FREN*2020, FREN*2030, FREN*2060, FREN*2520, FREN*3230
- at least 0.50 credit from FREN*2500, FREN*2540
- at least 2.00 additional credits from FREN*3000, FREN*3010, FREN*3020, FREN*3070, FREN*3150, FREN*3200, FREN*3210, FREN*3220, FREN*3240, FREN*3290, FREN*3560
- at least 1.00 credits from FREN*3500, FREN*3520, FREN*3530
- at least 1.50 credits at the 4000 level

Minor (Honours Program)

A minimum of 5.00 French credits taught in French is required, including:

- FREN*1200, FREN*2020, FREN*2030, FREN*2060, FREN*2520, FREN*3520
- 1.00 credit in French literature from FREN*3000, FREN*3010, FREN*3020, FREN*3070, FREN*3240, FREN*3290, FREN*3560, FREN*4300
- 1.00 additional credits from French

Notes:

- Students are strongly urged to take 0.50 language credit each semester.
- Students in the general program may take 4000 level courses, but must previously have taken FREN*3520.
- Students of French are encouraged to take advantage of the French residence on this campus. Applications for accommodation in the Maison Française should be made well in advance of registration.
- FREN*1000, FREN*1120, FREN*1090, FREN*1100, FREN*1110 are not counted toward a specialization in French.
- Francophone students and Graduates of Highschool French Immersion will not normally be admitted into FREN*1200 and FREN*2030. It is recommended they start their program with FREN*2020, FREN*2060, FREN*2500, or FREN*2520 with the approval of the Faculty Advisor.

Geography (GEOG)

Department of Geography, College of Social and Applied Human Sciences.

The Department of Geography provides students with a broad range of courses in Human and Physical Geography which focus on the nature and evolution of the numerous and complex physical and human environment systems of the world. Students are required to select courses from both the human and physical fields. Within the program of studies it is possible for students through course selection to follow a particular line of interest in, for example, Rural Geography, Resource Management, Urban and Economic Geography, Biophysical Resources or Geomorphology.

The 1000 level courses provide a foundation for the Geography programs and are prerequisites or are strongly recommended for many of the 2000 level courses. The 2000 level systematic courses are prerequisite to the corresponding advanced courses at the 3000 and 4000 level. All students should obtain a copy of the department program planning guide and consult with faculty before planning their course of studies.

Students contemplating graduate or professional programs of study following completion of the honours program should consult a departmental advisor for advice on additional courses that they should take.

The department also offers a B.Sc. honours Earth Surface Science program (jointly with Land Resources Science), a B.Sc.(ENV.) honours Environmental Geography Major program, and a B.Sc. honours program Minor in Geographic Information Systems and Environmental Analysis which are described in the schedule of studies for each of the programs (Section X). Geography B.A. honours Majors are eligible to take the B.Sc. Minor. All Geography students are encouraged to consult with a departmental advisor regarding course selection.

The following courses offered by the Department of Land Resource Science may be counted as Geography credits: GEOL*2150, MET*2030, SOIL*2010.

Area of Concentration (General Program)

A minimum of 5.00 credits in Geography is required, including:

GEOG*1200	[0.50]	Society and Space
GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment

2.00 credits at the 3000 level or above

Two of:

GEOG*2000	[0.50]	Geomorphology
GEOG*2110	[0.50]	Climate and the Biophysical Environment
GEOG*2210	[0.50]	Environment and Resources
GEOG*2230	[0.50]	Economic Geography
GEOG*2260	[0.50]	Applied Social Geography

One of:

GEOG*2460	[0.50]	Analysis in Geography
GEOG*2480	[0.50]	Mapping and GIS

Major (Honours Program)

A minimum of 9.00 credits in Geography is required, including:

GEOG*1200	[0.50]	Society and Space
GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment
GEOG*2000	[0.50]	Geomorphology
GEOG*2110	[0.50]	Climate and the Biophysical Environment
GEOG*2210	[0.50]	Environment and Resources
GEOG*2230	[0.50]	Economic Geography
GEOG*2260	[0.50]	Applied Social Geography
GEOG*2460	[0.50]	Analysis in Geography
GEOG*2480	[0.50]	Mapping and GIS
GEOG*3480	[0.50]	GIS and Spatial Analysis
GEOG*4880	[0.50]	Contemporary Geographic Thought

3.00 additional credits in Geography at the 3000 level or above including at least 1.50 credits at the 4000 level.

Minor (Honours Program)

A minimum of 5.00 credits in Geography is required, including:

Two of:

GEOG*1200	[0.50]	Society and Space
GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment

Two of:

GEOG*2000	[0.50]	Geomorphology
GEOG*2110	[0.50]	Climate and the Biophysical Environment
GEOG*2210	[0.50]	Environment and Resources
GEOG*2230	[0.50]	Economic Geography
GEOG*2260	[0.50]	Applied Social Geography

3.00 credits in Geography at the 3000 level and including at least one course at the 4000 level.

German (GERM)

School of Languages and Literatures, College of Arts.

All language courses carry 0.50 credit. Students with one year of high school German or equivalent may not be admitted into GERM*1100. Students with OAC German may not be admitted into GERM*1100 and GERM*1110. Students with OAC German credit or its equivalent may be admitted into GERM*1110 only with the approval of the department. All language students are strongly advised to include CLAS*1000 and LING*1000 among their electives in order to derive the maximum benefit from their studies. Except where stated otherwise, literary texts are, at all levels, studied in the original language. Students registering in these courses will be expected to have the appropriate knowledge.

Study Abroad

The School of Languages and Literatures encourages students in the German program to spend 1 or 2 semesters in a German speaking country to continue their studies at the University level. Credit for programs of study successfully completed may be applied towards the University of Guelph degree requirements. Requests should be addressed well in advance to either the department or a particular section of the department. A letter of permission is required (see the Section VIII--Undergraduate Degree Regulations & Procedures).

Minor (Honours Program)

A minimum of 5.00 credits in German is required, including:

GERM*2240	[0.50]	Germany Through the Ages
GERM*2490	[0.50]	Intermediate German I
GERM*2500	[0.50]	Intermediate German II
GERM*2560	[0.50]	Themes in German Literature/Culture
GERM*2590	[0.50]	Classics of German Literature
GERM*3500	[0.50]	Advanced German

2.00 credits from (GERM*1100 or GERM*1110), GERM*2400, GERM*3020, GERM*3420, GERM*3430, GERM*3450, GERM*3530

Note that for students beginning with GERM*1100 or GERM*1110 a maximum of 2.50 language credits is allowed. For students with OAC German or equivalent, a maximum of 2.00 language credits is allowed. Language courses beyond the 1000 level include GERM*2490, GERM*2500, GERM*3500, GERM*3530.

Students enrolled in the German program must contact the School of Languages and Literatures for an up-to-date sequence of course offerings.

History (HIST)

Department of History, College of Arts.

Courses marked (H) are designed as honours courses. Students in a general program wishing to take these must obtain the permission of instructors concerned. All other courses may be taken by both general and honours students. Students wishing to take a 3000 level course must have pass standing in at least 5.00 credits in university courses.

Students wishing to take a 4000 level course must have pass standing in at least 10.00 university credits. Access to all 4000 level history courses is restricted to students in the B.A. Honours program with at least a 70% average in all history course attempts. Students should note the prerequisite requirements of upper level courses in planning their individual programs

Students entering semester 1 are advised to choose from 1000 level courses. Second semester students wishing to take an advanced level History course should select that course from the History core.

Core Requirements

- HIST*1010, HIST*2450, HIST*2601/2
- 0.50 credit from each of Pre-Modern and Third World/Thematic course lists (a list of courses for each of these designations is available in the Department of History.)

Area of Concentration (General Program)

A minimum of 5.00 credits in History is required, including:

- at least 1.50 credits in History must be at the 3000 level (excluding HIST*3470 and HIST*3970)
- students should take the History Core Requirements

Note: With the permission of the department, students may select as part of their program 0.50 credit outside the History Department such as ECON*2420 or ECON*3730.

Major (Honours Program)

A minimum of 8.00 credits in History courses is required, including:

- the History Core Requirements
- 5.00 additional credits in History including 1.00 at the 4000 level (excluding HIST*4470 and HIST*4970) and an additional 0.50 credit at the 4000 level which may include either HIST*4470 or HIST*4970

Minor (Honours Program)

A minimum of 5.00 credits in History is required, including:

- the History Core Requirements
- 2.00 other credits in History including 1.00 at the 4000 level

Note: Honours students in History may, with the permission of the department, take up to 1.00 credit from outside the department such as ECON*2420 and ECON*3730. Students considering graduate work are advised to take 2.00 - 3.00 additional upper level History credits perhaps including the Special History Project Seminar (HIST*4470, HIST*4970) and to acquire a reading knowledge of a foreign language. Honours students must complete HIST*2450 by the end of their third semester to be eligible for 3000 level History courses.

Individual Studies (IS)

Interdisciplinary Program.

B.A. Counselling Office, Room 130, MacKinnon Building, Ext. 52140.

Honours B.A. students have the option of doing an Individual Studies Major. Students in the Individual Studies Major have the opportunity to determine the goals and methods of their studies. Areas of study can include courses in any of the colleges and where the University of Guelph has faculty expertise to assist students. Students are encouraged to develop an interdisciplinary perspective, and to explore the methods of inquiry which provide depth of knowledge in a specific subject.

A student submitting a proposal for the Individual Studies Major must submit the complete proposal to the B.A. Program Counsellor before the third week of classes of semester four. The B.A. Program Committee will consider proposals once, and will approve, approve with revisions, or deny the proposal. Proposals cannot be resubmitted.

Proposals will not be considered unless they articulate a detailed rationale for a coherent program of studies that is significantly different from any existing major and minor combination at the University of Guelph, and unless the proposal meets the following criteria:

- minimum of 9.00 credits
- minimum of 4.00 credits at the 3000 level and above, including at least 1.00 credit at the 4000 level
- minimum of 1.00 credit in methods and/or theory
- maximum of 1.50 credits at the 1000 level
- a senior level Directed Readings or Special Project course must be completed. When appropriate, the Committee will identify a faculty member as the supervisor for a student's course of study.

A student wishing to submit a proposed program of studies for the Individual Studies Major must prepare a proposal that will include the following:

- a clear statement of theme or areas of study
- a clear statement of the contribution of the major to a post-graduation field of work or study
- a clearly set out rationale for inclusion of the specific courses and how they relate to or develop the theme or areas of study
- a list of required "core" courses and "restricted electives" following the above criteria. When proposing core and restricted elective credits, students should keep in mind the prerequisites for their desired 3000 and 4000 level courses

Note: Students undertaking the Individual Studies Major must fulfill the requirements of the B.A. Honours Program as set out in Section X. The B.A. Program Counsellor is the academic counsellor. The Individual Studies designation will appear on the student's transcript upon graduation, but the title or subject of the major will not.

Information Systems and Human Behaviour (ISHB)

Interdisciplinary Program

As computers and communications play progressively more subtle and significant roles in society, this program of study brings together the elements of 3 disciplines to provide students with an understanding of technical, behavioural and social aspects of information technology. This program of study is a co-operative effort of the Department of Computing and Information Science, Department of Psychology, and Department of Sociology and Anthropology. Students in this program will be advised by the program coordinator in the Department of Psychology.

Major (Honours Program)

Computing and Information Science Courses

CIS*1500	[0.50]	Introduction to Programming
CIS*1910	[0.50]	Discrete Structures in Computing I
CIS*2430	[0.50]	Object Oriented Programming
CIS*2500	[0.50]	Intermediate Programming
CIS*2520	[0.50]	Data Structures
CIS*2750	[0.75]	Software Systems Development and Integration
CIS*2910	[0.50]	Discrete Structures in Computing II
CIS*3530	[0.50]	Data Base Systems and Concepts
CIS*3750	[0.75]	System Analysis and Design in Applications
CIS*4300	[0.50]	Human Computer Interaction

Psychology Courses

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour
PSYC*2360	[0.50]	Introductory Research Methods
PSYC*2390	[0.50]	Principles of Sensation and Perception
PSYC*2650	[0.50]	Cognitive Psychology
PSYC*3080	[0.50]	Organizational Psychology

0.50 elective from a 4000 level Psychology course

One of:

SOAN*2040	[0.50]	Globalization of Work and Organizations
PSYC*2310	[0.50]	Introduction to Social Psychology

One of:

PSYC*3330	[0.50]	Memory
PSYC*3340	[0.50]	Psycholinguistics

Sociology and Anthropology Courses

ANTH*1150	[0.50]	Anthropology
SOC*1100	[0.50]	Sociology
SOC*2190	[0.50]	Technology and Society
SOAN*3070	[0.50]	Qualitative and Observational Methods

0.50 elective from a 4000 level course in ANTH, SOAN or SOC

Statistics Courses

STAT*2040	[0.50]	Statistics I
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International Development (ID)

Interdisciplinary Program

Faculty Advisor: Room 045 MacKinnon Building, ext 56175.

The International Development program provides students with an opportunity to pursue interdisciplinary and comparative studies of long-term change and international inequality. A broad coverage of the process of international development, from the perspectives of history and social science, forms the basis for more in-depth study on such topics as economic growth, the biophysical environment, gender, agriculture and rural life, politics and administration, and the Latin American region.

The primary participating departments are Economics, Geography, Political Science, and Sociology and Anthropology.

Area of Concentration (General Program)

A minimum of 5.00 credits is required, including:

ANTH*1150	[0.50]	Anthropology
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2650	[0.50]	Introductory Development Economics
GEOG*2030	[0.50]	International Political Geography
GEOG*3050	[0.50]	Development and the City
IDEV*2010	[0.50]	International Development Studies
POLS*2080	[0.50]	Development and Underdevelopment

One of:

ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914

One of:

POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3790	[0.50]	The Political Economy of International Relations

Major (Honours Program)

A minimum of 12.00 credits is required, including the core of 7.00 credits and one of seven areas of emphasis for 5.00 credits. The areas are: Economic and Business Development, Gender and Development, Rural and Agricultural Development, Biophysical Environment and Development, Latin American Studies, Political Economy and Administrative Change, and Historical Perspectives in Development. Students must select an area of emphasis by the end of the 4th semester of university study.

International Development students are encouraged to acquire at least one foreign language and to work or study abroad.

With the permission of the International Development Studies faculty advisor, students may replace 0.50 credits from their area of emphasis with IDEV*3200, or 1.00 credits from their area of emphasis with IDEV*4190 and IDEV*4200.

Note: When selecting courses, students should keep in mind the prerequisites for their desired 3000 and 4000 level courses.

Core Requirements

ANTH*1150	[0.50]	Anthropology
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2650	[0.50]	Introductory Development Economics
GEOG*2030	[0.50]	International Political Geography
GEOG*3050	[0.50]	Development and the City
IDEV*2010	[0.50]	International Development Studies *
IDEV*4500	[0.75]	International Development Seminar **
POLS*2080	[0.50]	Development and Underdevelopment

One of:

IDEV*3010	[0.50]	Case Studies in International Development
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[0.50] credits from an approved semester abroad or exchange program

One of:

HIST*2930	[0.50]	Women and Cultural Change
SOAN*2400	[0.50]	Introduction to Gender Systems
WMST*1000	[0.50]	Introduction to Women's Studies
WMST*2000	[0.50]	Women and Representation

One of:

ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914

One of:

ANTH*2160	[0.50]	Social Anthropology ***
REXT*4020	[0.50]	Rural Extension in Change and Development
SOC*2080	[0.50]	Rural Sociology ****

One of:

POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3790	[0.50]	The Political Economy of International Relations

* students must complete IDEV*2010 before Semester 5

** students normally complete IDEV*4500 in their final year of study

*** ANTH*2160 is recommended for the Gender area of emphasis

**** SOC*2080 is recommended for the Rural area of emphasis

Areas of Emphasis

Biophysical Environment and Development

GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment
GEOG*2210	[0.50]	Environment and Resources
GEOG*3210	[0.50]	Management of the Biophysical Environment
GEOG*4210	[0.50]	Environmental Resource Analysis

[0.50] additional credits at the 4000 level with a GEOG prefix

One of:

AGEC*2700	[0.50]	Survey of Natural Resource Economics
ANTH*3670	[0.50]	Indigenous Peoples: Global Context
ECON*2100	[0.50]	Economic Growth and Environmental Quality
HIST*2250	[0.50]	Environment and History
PHIL*2070	[0.50]	Philosophy of the Environment
POLS*3370	[0.50]	Environmental Policy Formation and Administration
SOC*2280	[0.50]	Society and Environment

One of:

GEOG*2000	[0.50]	Geomorphology
GEOG*2110	[0.50]	Climate and the Biophysical Environment
GEOG*2460	[0.50]	Analysis in Geography
GEOG*2480	[0.50]	Mapping and GIS

Two of:

GEOG*3020	[0.50]	Global Environmental Change
GEOG*3090	[0.50]	Gender and Environment
GEOG*3110	[0.50]	Biotic and Natural Resources
GEOG*3320	[0.50]	Agriculture and Society
GEOG*3480	[0.50]	GIS and Spatial Analysis

GEOG*3610	[0.50]	Environmental Hydrology
GEOG*3620	[0.50]	Desert Environments

Economic and Business Development

AGEC*2220	[0.50]	Financial Accounting
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
ECON*2740	[0.50]	Economic Statistics *

1.50 additional credits at the 2000-level or above in AGECE or ECON, at least 0.50 being in ECON and at least 1.00 being at the 3000-level or above.

0.50 additional credits with a regional focus at the 2000-level or above in ANTH, GEOG, HIST, IDEV, ISS, POLS, SOAN or SOC.

Two of:

AGEC*4310	[0.50]	Resource Economics
ECON*4720	[0.50]	Topics in Economic History
ECON*4830	[0.50]	Economic Development
ECON*4880	[0.50]	Topics in International Economics
ECON*4890	[0.50]	History of Economic Thought
ECON*4900	[0.50]	Special Study in Economics
ECON*4930	[0.50]	Environmental Economics

* Entry into ECON*2740 requires one of MATH*1050, MATH*1080, MATH*1200.

Gender and Development

ANTH*3400	[0.50]	The Anthropology of Gender
SOAN*2120	[0.50]	Introductory Methods
SOAN*4240	[0.50]	Women and the Development Process

[0.50] additional credits at the 4000 level in ANTH, SOAN, or SOC

One of the following not taken as part of the core:

ANTH*2160	[0.50]	Social Anthropology
SOAN*2040	[0.50]	Globalization of Work and Organizations
SOC*2080	[0.50]	Rural Sociology

One of:

SOAN*3070	[0.50]	Qualitative and Observational Methods
SOAN*3120	[0.50]	Quantitative Methods

Two of:

ANTH*3670	[0.50]	Indigenous Peoples: Global Context
ANTH*3690	[0.50]	Anthropological Theory
ANTH*3770	[0.50]	Kinship and Social Organization
ANTH*3840	[0.50]	Seminar in Anthropology
POLS*3160	[0.50]	Women and Politics in the Third World
SOAN*3100	[0.50]	Comparative Perspectives on Families and Households

Two of the following not taken as part of the core:

ENGL*2880	[0.50]	Women in Literature
GEOG*3090	[0.50]	Gender and Environment
HIST*2800	[0.50]	The History of the Modern Family
HIST*2930	[0.50]	Women and Cultural Change
HIST*3580	[0.50]	Women's History in Asia/Africa
PHIL*2060	[0.50]	Philosophy of Feminism
POLS*3710	[0.50]	Politics and Sexuality

[0.50] credits in WMST

Historical Perspectives in Development

HIST*2450	[0.50]	Historical Methods
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0.50 additional credits with a regional focus at the 2000-level or above in ANTH, GEOG, IDEV, ISS, POLS, SOAN or SOC.

One of:

HIST*1010	[0.50]	Europe in the Age of Expansion
HIST*1150	[0.50]	20th-Century Global History

Two of:

HIST*2070	[0.50]	World Religions in Historical Perspective
HIST*2110	[0.50]	The Atlantic World 1500-1850
HIST*2250	[0.50]	Environment and History
HIST*2500	[0.50]	Britain and the World Since 1600
HIST*2800	[0.50]	The History of the Modern Family
HIST*2890	[0.50]	History of the Islamic World
HIST*2910	[0.50]	History of Modern Asia
HIST*2920	[0.50]	Republican Latin America
HIST*2960	[0.50]	Topics in the History of Slavery

Three of the following not taken as part of the core:

ECON*2420	[0.50]	Canadian Economic History
ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914
HIST*3070	[0.50]	Modern South Asia
HIST*3150	[0.50]	History and Culture of Mexico
HIST*3270	[0.50]	Revolution in the Modern World
HIST*3310	[0.50]	Disease and History
HIST*3380	[0.50]	British Imperialism in Asia and Africa
HIST*3410	[0.50]	The History of Pre-Colonial Africa
HIST*3430	[0.50]	Topics in Environment and Society

HIST*3470	[0.50]	Independent Reading
HIST*3580	[0.50]	Women's History in Asia/Africa
HIST*3590	[0.50]	Culture and Society in South Asia
HIST*3910	[0.50]	Africa Since 1800
Two of:		
HIST*4100	[0.50]	Africa and the Slave Trades
HIST*4120	[0.50]	Topics in Global History
HIST*4280	[0.50]	Poverty and Policy in the Victorian Age
HIST*4470	[0.50]	Special History Project Seminar I
HIST*4560	[0.50]	Topics in Revolution
HIST*4570	[0.50]	Topics in Revolution
HIST*4580	[0.50]	Topics in Revolution
HIST*4670	[0.50]	Seminar in Science and Society
HIST*4900	[0.50]	Imperialism and Nationalism in South Asia

Latin American Studies

SPAN*1110	[0.50]	Intermediate Spanish
SPAN*2000	[0.50]	Spanish Language I
SPAN*2010	[0.50]	Spanish Language II
SPAN*3500	[0.50]	Spanish Grammar and Composition I

One of:

POLS*3650	[0.50]	The Systematic Study of Politics
SOAN*2120	[0.50]	Introductory Methods

Two of:

HIST*2920	[0.50]	Republican Latin America
POLS*3080	[0.50]	Politics of Latin America
SPAN*2990	[0.50]	Introduction to Hispanic Literary Studies
SPAN*3080	[0.50]	Spanish American Culture

Choose Option A or B

Option A:

Any [1.50] additional credits in SPAN at the 3000 level or above, at least [0.50] being at the 4000 level.

Option B:

Any [1.50] additional credits in ANTH, ECON, GEOG, HIST, IDEV, ISS, POLS, SOAN, or SOC with a focus on Latin America or the Caribbean at the 3000 level or above, at least [0.50] being at the 4000 level. The faculty advisor for International Development maintains a list of appropriate courses.

Political Economy and Administrative Change

POLS*3650	[0.50]	The Systematic Study of Politics
POLS*4750	[0.50]	Theories and Problems in Comparative/International Politics

[0.50] additional credits in POLS at the 4000 level

[1.00] additional credits with a regional focus at the 2000 or 3000 level in HIST or POLS, at least 0.50 being in POLS.

Two of:

POLS*2000	[0.50]	Political Theory
POLS*2100	[0.50]	The State in Comparative Perspective
POLS*2200	[0.50]	International Relations

One of the following not taken as part of core:

POLS*3160	[0.50]	Women and Politics in the Third World
POLS*3370	[0.50]	Environmental Policy Formation and Administration
POLS*3390	[0.50]	Comparative Democratic Institutions
POLS*3440	[0.50]	Corruption, Scandal and Political Ethics
POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3790	[0.50]	The Political Economy of International Relations

Two of the following not taken as part of the core:

AGEC*4310	[0.50]	Resource Economics
ECON*2100	[0.50]	Economic Growth and Environmental Quality
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2720	[0.50]	Business History
ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914
ECON*4720	[0.50]	Topics in Economic History
ECON*4830	[0.50]	Economic Development
ECON*4890	[0.50]	History of Economic Thought

Rural and Agricultural Development

SOAN*2120	[0.50]	Introductory Methods
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[0.50] additional credits at the 3000 or 4000 levels in AGR, CROP, ENVB, GEOL, HORT, SOIL or any biophysical course in GEOG.

1.00 additional credits in ANTH, SOAN or SOC at the 4000-level.

One of the following not taken as part of the core:

ANTH*2160	[0.50]	Social Anthropology
SOC*2080	[0.50]	Rural Sociology

One of:

GEOG*3480	[0.50]	GIS and Spatial Analysis
SOAN*3070	[0.50]	Qualitative and Observational Methods
SOAN*3120	[0.50]	Quantitative Methods

Two of the following not taken as part of the core:

AGEC*4210	[0.50]	World Agriculture and Economic Development
ANTH*3670	[0.50]	Indigenous Peoples: Global Context
ANTH*3690	[0.50]	Anthropological Theory
SOAN*3680	[0.50]	Development/Underdevelopment
SOC*3380	[0.50]	Society and Nature

Any REXT courses at the 3000-level or above.

One of:

AGEC*2700	[0.50]	Survey of Natural Resource Economics
AGR*1250	[0.50]	Agrifood System Trends and Issues
AGR*2500	[0.50]	Field Trip in International Agriculture
BOT*1200	[0.50]	Plants and Human Use
ENVB*2010	[0.50]	Food Production and the Environment
GEOG*1220	[0.50]	Human Impact on the Environment
GEOG*1300	[0.50]	Introduction to the Biophysical Environment
GEOG*1350	[0.50]	Earth: Hazards and Global Change
SOIL*2120	[0.50]	Introduction to Environmental Stewardship

One of:

GEOG*2000	[0.50]	Geomorphology
SOIL*2010	[0.50]	Soil Science *

* SOIL*2010 is needed for senior GEOL and SOIL courses relevant to this area.

Minor (Honours Program)

A minimum of 5.50 credits is required, including:

ANTH*1150	[0.50]	Anthropology
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics
ECON*2650	[0.50]	Introductory Development Economics
GEOG*2030	[0.50]	International Political Geography
GEOG*3050	[0.50]	Development and the City
IDEV*2010	[0.50]	International Development Studies
POLS*2080	[0.50]	Development and Underdevelopment
SOAN*3680	[0.50]	Development/Underdevelopment

One of:

ECON*3720	[0.50]	History of the World Economy since 1850
ECON*3730	[0.50]	Europe and the World Economy to 1914

One of:

POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3790	[0.50]	The Political Economy of International Relations

Italian (ITAL)

School of Languages and Literatures, College of Arts.

All language courses carry 0.50 credit. Students with Year 4 or OAC Italian or their equivalent may be admitted into ITAL*1060 or ITAL*1070 only with the approval of the department. Students advancing in a Romance language (French, Spanish, Italian) are advised to take elective courses in a second Romance language and in Latin. All language students are strongly advised to include CLAS*1000 and LING*1000 among their electives in order to derive the maximum benefit from their studies. Except where stated otherwise, literary texts are, at all levels, studied in the original language. Students registering in these courses will be expected to have the appropriate knowledge.

Study Abroad

The School of Languages and Literatures encourages students in modern languages to spend 1 or 2 semesters in another country to study a particular language at the university level. Credit for programs of study successfully completed may be applied towards the University of Guelph degree requirements. Requests should be addressed well in advance to either the School or a particular section of the School. A letter of permission is required (see Section VIII--Undergraduate Degree Regulations and Procedures.)

Italian may be taken as a minor in the honours program. Students in Italian will be counselled by the School of Languages and Literatures.

Minor (Honours Program)

A minimum of 6.00 credits is required, including:

- ITAL*2060, ITAL*2070, ITAL*2350, ITAL*3060, ITAL*3150, ITAL*3280, ITAL*3530 (for E.S.P. students), ITAL*4900
- at least one of ITAL*3950, ITAL*3960, ITAL*3970
- at least 1.00 elective from List B and 1.00 further elective from List A or B

List A - Italian Offerings

ITAL*1060	[0.50]	Introductory Italian I
ITAL*1070	[0.50]	Introductory Italian II
ITAL*2060	[0.50]	Intermediate Italian I
ITAL*2070	[0.50]	Intermediate Italian II
ITAL*2350	[0.50]	Contemporary Italian Literature
ITAL*3060	[0.50]	Advanced Italian
ITAL*3150	[0.50]	Medieval Italian Literature
ITAL*3280	[0.50]	Renaissance Italian Literature
ITAL*3530	[0.50]	Business Italian

ITAL*3950	[0.50]	Topics in Italian Literature
ITAL*3960	[0.50]	Topics in Italian Literature
ITAL*3970	[0.50]	Topics in Italian Literature
ITAL*4900	[0.50]	Research Paper in Italian Studies

List B - Restricted Electives

ARTH*2550	[0.50]	Western Art: Italian Renaissance
ARTH*3550	[0.50]	Lives: Aspects of High Renaissance Art
CLAS*2000	[0.50]	Classical Mythology
HIST*2200	[0.50]	The Medieval World
LAT*1100	[0.50]	Preliminary Latin I
LAT*1110	[0.50]	Preliminary Latin II
LAT*2000	[0.50]	Latin Literature
LING*1000	[0.50]	Introduction to Linguistics
PHIL*2100	[0.50]	Critical Thinking
PHIL*2140	[0.50]	History of Greek and Roman Philosophy
PHIL*3060	[0.50]	Medieval Philosophy

Marketing Management (MKMN)

Department of Marketing and Consumer Studies, College of Social and Applied Human Sciences.

A Marketing Management minor is designed for students who wish to pursue interdisciplinary studies that consider consumers and the marketplace, consumers and their decision processes and behaviours, markets and their structure and various interactive relationships, and issues concerning market management.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

AGEC*2220	[0.50]	Financial Accounting
COST*1000	[0.50]	Introduction to Marketing Management
COST*2600	[0.50]	Fundamentals of Consumer Behaviour
ECON*1050	[0.50]	Introductory Microeconomics
ECON*1100	[0.50]	Introductory Macroeconomics

One of:

HTM*2200	[0.50]	Organizational Behaviour I
ISS*2500	[0.50]	Management in Organizations

2.00 restricted electives from the list of Restricted Electives, 1.00 of which must be at the 3000 or 4000 level

Restricted Electives

AGEC*4360	[0.50]	Marketing Research
AGEC*4370	[0.50]	Marketing Management
COST*2020	[0.50]	Information Management
COST*3020	[0.50]	Services & Retail Marketing
COST*3030	[0.50]	Research Methods
COST*3040	[0.50]	Business and Consumer Law
COST*3100	[0.50]	Economic Behaviour of Households
COST*3600	[0.50]	Consumer Information Processes
COST*4050	[0.50]	Consumer, Business and Government Relations
ECON*2200	[0.50]	Industrial Relations
ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2720	[0.50]	Business History
ECON*3200	[0.50]	Economics of Industrial Relations
ECON*3560	[0.50]	Theory of Finance

One of:

ECON*2740	[0.50]	Economic Statistics
STAT*2060	[0.50]	Statistics for Business Decisions

Mathematical Economics (MAEC)

Department of Economics, College of Social and Applied Human Sciences.

Most economic theory rests on explicit, formal, mathematical and/or statistical foundations. This specialization articulates and emphasizes these interactions. It is most suitable for students who either have, or wish to develop, a strong analytical background.

Note: Students approaching the end of their program are strongly advised to take, by arrangement with the departmental advisor, at least one of the Special Study in Economics courses (ECON*4900, ECON*4910).

Major (Honours Program)

Semester 1

CIS*1500	[0.50]	Introduction to Programming
ECON*1050	[0.50]	Introductory Microeconomics
MATH*1200	[0.50]	Calculus I

1.00 electives

Semester 2

ECON*1100	[0.50]	Introductory Macroeconomics
MATH*1210	[0.50]	Calculus II

1.50 electives

Semester 3

ECON*2310	[0.50]	Intermediate Microeconomics
ECON*2410	[0.50]	Intermediate Macroeconomics
STAT*2040	[0.50]	Statistics I

1.00 electives

Semester 4

ECON*3740	[0.50]	Introduction to Econometrics
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2.00 electives or restricted electives*

Semester 5

ECON*3710	[0.50]	Advanced Microeconomics
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2.00 electives or restricted electives*

Semester 6

ECON*3600	[0.50]	Macroeconomics in an Open Economy
ECON*3770	[0.50]	Mathematical Economics and Game Theory

1.50 electives or restricted electives*

Semester 7

ECON*4640	[0.50]	Applied Econometrics I
ECON*4710	[0.50]	Advanced Topics in Microeconomics
ECON*4870	[0.50]	Mathematical Economics: Dynamics

1.00 electives or restricted electives*

Semester 8

ECON*4810	[0.50]	Advanced Macroeconomic Theory
ECON*4900	[0.50]	Special Study in Economics

One of:

ECON*4840	[0.50]	Applied Econometrics II
MATH*3200	[0.50]	Real Analysis
STAT*4080	[0.50]	Data Analysis
STAT*4340	[0.50]	Statistical Inference
STAT*4350	[0.50]	Applied Multivariate Statistical Methods
STAT*4360	[0.50]	Applied Time Series Analysis

1.00 electives

*at least 1.00 of the 4.00 restricted electives must be from Mathematics and 1.00 must be from Statistics. The remaining 2.00 can be from either subject area. Of the 4.00 credits, at least 1.00 must be at the 3000 level or above and the remaining 3.00 must be at the 2000 level or above.

Note: Courses from MATH or STATS will be allowed with the appropriate prerequisites, or by permission of the instructor.

Mathematics (MATH)**Department of Mathematics and Statistics College of Physical and Engineering Science.**

Mathematics and Statistics have become crucial components in the understanding and exploration of more and more disciplines. Persons with a strong background in mathematical sciences have access to a broad range of rewarding opportunities. Within the B.A. program, the Department of Mathematics and Statistics offers areas of concentration, majors and minors, both in Mathematics and Statistics. The Mathematics programs are designed to provide considerable flexibility for students to pursue their own interests, whether they be in the concepts of "pure" mathematics or techniques and applications. As a result, these programs open up opportunities for careers in many sectors such as business, education, government, industry, or medicine.

Area of Concentration (General Program)

A minimum of 5.00 Mathematics credits is required, including:

- 4.00 credits in Mathematics, including at least 1.00 from courses at the 3000 level or above
- 1.00 additional credit from Mathematics, Statistics and/or Computing Science

Honours Programs

Students without 4U Advanced Function and Calculus or OAC Calculus should consult with the departmental advisor. Students without 4U Geometry and Discrete Mathematics or OAC Algebra and Geometry should take MATH*2150 and then MATH*2160.

Core Requirements for Honours

MATH*1200	[0.50]	Calculus I
MATH*1210	[0.50]	Calculus II
MATH*2000	[0.50]	Set Theory
MATH*2160	[0.50]	Linear Algebra I
MATH*2200	[0.50]	Advanced Calculus I

Note: For both a major and a minor, it is strongly recommended that PHIL*2110 be included as an elective and be taken as early as possible.

Major (Honours Program)

A minimum of 8.00 credits is required, including:

- the Mathematics core requirements
- MATH*2210
- MATH*3200

- STAT*2040
- 0.50 credit in Statistics
- 0.50 credit in Computing Science (from CIS*1500 or higher)
- 3.00 additional credits in Mathematics from courses at the 2000 level or above, including 1.00 at the 3000 level and 1.00 at the 4000 level

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- the Mathematics core
- STAT*2040
- 0.50 in Computing Science (from CIS*1500, or higher)
- 1.50 additional Mathematics credits from courses at the 2000 level or above including 1.00 from courses at the 3000 or 4000 level

Museum Studies (MS)**School of Fine Art and Music.**

The Minor program in Museum Studies offers an introduction to museum culture from both theoretical and practical perspectives. Courses in the program cover the history of museums, examination of assumptions that have guided the collecting and classifying of visual culture, and consideration of how these institutions serve the needs of national and group identity construction.

This program of study is designed as a complement to a significant number of Major specializations, suitable for any student wishing to broaden their knowledge beyond their Major area of study.

Minor (Honours Program)**(May not be taken in combination with Art History Honours Major).**

A minimum of 5.00 credits is required, including:

- | | | |
|-----------|--------|---------------------------|
| ARTH*1220 | [0.50] | The Visual Arts Today |
| ARTH*1510 | [0.50] | Art Historical Studies I |
| ARTH*1520 | [0.50] | Art Historical Studies II |
- 3.50 additional credits in Art History including:

ARTH*2120	[0.50]	Museology
ARTH*2480	[0.50]	Introduction to Art Theory and Criticism
ARTH*3220	[0.50]	Nationalism and Identity in Art
ARTH*3570	[0.50]	Display: Visual Culture in Late 19th Century Europe
ARTH*4620	[0.50]	Museum Studies

Music (MUSC)**School of Fine Art and Music, College of Arts.**

The School offers courses in music history, theory, ethnomusicology, and performance. Many courses are open to all students, while others require a knowledge of the rudiments of musical notation or other prerequisites. Students are urged to plan their program in consultation with a Music advisor. Music programs allow considerable flexibility for students to elect one or more areas of interest, such as individual study on an instrument, performing in vocal or instrumental ensembles, specialized historical or theoretical study, directed readings, or an independent project. Physics of Music (MUSC*1090) is strongly recommended for all Music students and will count as one of the courses for the B.A. math/science requirement.

Courses in Music are offered in several of the semesters abroad, especially London. Credit for programs of study successfully completed may be applied towards the University of Guelph degree requirements.

Applied Music

MUSC*1500 is available only by audition. MUSC*1500 is restricted to students in Semesters 1-4. Students who wish to continue to the 2000 level in Applied Music must be enrolled in a Music program, general program; area of concentration; honours program, major or minor.

Applied Music courses are designed to be taken during successive Fall and Winter terms. If this sequence is interrupted for a semester or more, students will be required to reaudition before registering to continue in Applied Music. Students must achieve a minimum grade 70% in Applied Music courses in order to proceed to the next level.

Core Requirements

The Music core is designed to provide the concepts and skills students need for successful study in higher level courses. All students in the general program area of concentration and honours program major must complete the following courses:

MUSC*1180	[0.50]	Musicianship I
MUSC*1250	[0.50]	Melody and Counterpoint
MUSC*2360	[0.50]	Tonal Harmony I
MUSC*2370	[0.50]	Tonal Harmony II
MUSC*2600	[0.50]	Music History I: Chant to Josquin
MUSC*2610	[0.50]	Music History II: The Reformation to J.S. Bach
MUSC*2620	[0.50]	Music History III: Classical and Romantic Eras
MUSC*3630	[0.50]	20th Century Music

Area of Concentration (General Program)

A minimum of 6.00 Music credits is required, including:

- the Music core
- at least 1.00 Music credits at the 3000 level or above

Major (Honours Program)

A minimum of 8.00 Music credits is required, including:

- the Music core
- one of MUSC*2140, MUSC*2110, MUSC*2200
- one of MUSC*3020, MUSC*3030, MUSC*3840, MUSC*3850
- one of MUSC*3800, MUSC*3810
- MUSC*4401/2

Participation in Applied Music courses and/or performing ensembles is strongly recommended for all honours students. Students contemplating graduate studies in Music should consult music faculty early in their program.

Minor (Honours Program)

A minimum of 5.00 Music credits is required, including at least 2.00 Music credits at the 3000 or 4000 level.

Course Groups

Students who wish to concentrate in particular areas of Music should consider selecting one of the following course groups:

Jazz, Popular, and World Music Studies

MUSC*1180	[0.50]	Musicianship I
MUSC*2140	[0.50]	History of Jazz
MUSC*2150	[0.50]	Music and Popular Culture
MUSC*2180	[0.50]	Musicianship II
MUSC*3820	[0.50]	Topics in Ethnomusicology

1.50 other music credits at the 3000 or 4000 level (MUSC*1250 and MUSC*2360 are highly recommended)

One of:

MUSC*2110	[0.50]	Music of the Circum-Atlantic and the Americas
MUSC*2200	[0.50]	Music of the Near and Far East

One of:

MUSC*2610	[0.50]	Music History II: The Reformation to J.S. Bach
MUSC*2620	[0.50]	Music History III: Classical and Romantic Eras

Theory and Analysis

MUSC*1180	[0.50]	Musicianship I
MUSC*1250	[0.50]	Melody and Counterpoint
MUSC*2360	[0.50]	Tonal Harmony I
MUSC*2370	[0.50]	Tonal Harmony II

1.50 other Music credits at the 3000 or 4000 level

One of:

MUSC*2610	[0.50]	Music History II: The Reformation to J.S. Bach
MUSC*2620	[0.50]	Music History III: Classical and Romantic Eras
MUSC*3630	[0.50]	20th Century Music

One of:

MUSC*3020	[0.50]	Tonal Analysis
MUSC*3030	[0.50]	Post-tonal Analysis

History and Literature

MUSC*1180	[0.50]	Musicianship I
MUSC*1250	[0.50]	Melody and Counterpoint
MUSC*2360	[0.50]	Tonal Harmony I

2.00 other Music credits at the 3000 or 4000 level

Three of:

MUSC*2600	[0.50]	Music History I: Chant to Josquin
MUSC*2610	[0.50]	Music History II: The Reformation to J.S. Bach
MUSC*2620	[0.50]	Music History III: Classical and Romantic Eras
MUSC*3630	[0.50]	20th Century Music

Applied Music

MUSC*1180	[0.50]	Musicianship I
MUSC*1500	[0.50]	Applied Music I
MUSC*1510	[0.50]	Applied Music II
MUSC*2180	[0.50]	Musicianship II

2.00 other Music credits at the 3000 or 4000 level

One of:

MUSC*2600	[0.50]	Music History I: Chant to Josquin
MUSC*2610	[0.50]	Music History II: The Reformation to J.S. Bach
MUSC*2620	[0.50]	Music History III: Classical and Romantic Eras
MUSC*3630	[0.50]	20th Century Music

0.50 credits from one of the following 2 sets of 2 courses:

MUSC*2530	[0.25]	Instrumental Ensembles I
MUSC*2540	[0.25]	Instrumental Ensembles II

OR

MUSC*2550	[0.25]	Choral Ensembles I
MUSC*2560	[0.25]	Choral Ensembles II

Honours students considering graduate work in ethnomusicology, performance, theory, and other music specializations should consult the School Director or an academic adviser early in their program. Students should take MUSC*2290, MUSC*2350, MUSC*3020, MUSC*3030, MUSC*3750 and Topics courses (MUSC*3800 to MUSC*3850) covering a broad range of historical periods and methodologies, and also consider courses in Humanities (HUMN), dramatic theory, art history, anthropology, and English literature. A reading knowledge of at least one language other than English is also recommended.

Organizational Behaviour (OBEH)**Department of Psychology, College of Social and Applied Human Sciences.**

The study of behaviour and the behavioural processes of individuals and groups within organizations is an especially important focus for those interested in human welfare and productivity. The Minor in Organizational Behaviour is for students seeking to broaden their knowledge beyond their major area of study and may be of particular value for those interested in the dynamics of organizational structures within the private and/or public domains. Although this program should provide a meaningful complement for a significant number of Major options, the program might be of particular interest to those students considering a future management and/or business career.

Minor (Honours Program)

(May not be taken in combination with a Psychology Honours Major)

A minimum of 6.00 credits is required, including:

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour

2.00 credits in 4 Psychology Core Courses, to include PSYC*2310

PSYC*2010	[0.50]	Quantification in Psychology
PSYC*3060	[0.50]	Occupational Health Psychology
PSYC*3070	[0.50]	Psychology in Human Resource Management
PSYC*3080	[0.50]	Organizational Psychology
PSYC*3250	[0.50]	Psychological Measurement

0.50 additional credit in Psychology

Students should note the availability of courses PSYC*3900 and PSYC*3910 when considering potential Psychology electives which would fulfil this requirement. When selecting open electives for completion of the degree, students with this minor should consider selecting the following courses: HTM*4390 and SOAN*2040.

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

Philosophy (PHIL)**Department of Philosophy, College of Arts.**

The Department of Philosophy offers programs emphasizing the history of philosophy and the study of metaphysics, epistemology, ethics and logic. The requirements for the various Philosophy programs are designed to ensure a basic competence in the discipline while permitting varying degrees of flexibility. It is important that students discuss their programs with a departmental advisor in order to ensure that the best selection of elective Philosophy courses is made. This is especially important for students who are contemplating graduate work in Philosophy.

Students may take PHIL*1000, PHIL*1010 and PHIL*1050 but only one may be counted towards the minimum number of Philosophy courses required for a degree.

Area of Concentration (General Program)

A minimum of 5.00 credits in Philosophy is required, including:

- 1 of PHIL*2140, PHIL*2160, PHIL*3060, PHIL*3080, PHIL*3130, PHIL*3200
- 1 of PHIL*2110, PHIL*2130, PHIL*2180, PHIL*3180, PHIL*3190, PHIL*3420, PHIL*3910, PHIL*3920, PHIL*3930, PHIL*4360, PHIL*4370
- 1 of PHIL*2030, PHIL*2060, PHIL*2070, PHIL*2120, PHIL*2600, PHIL*3040, PHIL*3050, PHIL*3230, PHIL*4310, PHIL*4320, PHIL*4340
- 3.50 additional credits in Philosophy

Note: Students must have at least 1.50 Philosophy credits at the 3000 or 4000 level.

Major (Honours Program)

A minimum of 8.50 credits is required, including:

- PHIL*2110, PHIL*2120, PHIL*2140, PHIL*2160, PHIL*3080
- two of PHIL*2180, PHIL*3180, PHIL*3190, PHIL*4360, PHIL*4370
- two of PHIL*2060, PHIL*3050, PHIL*3230, PHIL*4310, PHIL*4320, PHIL*4340
- two of PHIL*2030, PHIL*2070, PHIL*2130, PHIL*2600, PHIL*3130, PHIL*3200, PHIL*3420, PHIL*3910, PHIL*3920, PHIL*3930
- 3.00 additional credits in Philosophy

Note: Students must have at least 3.50 credits in Philosophy at the 3000 level or above, and at least 1.50 of these at the 4000 level.

Students planning to do graduate studies in philosophy should take PHIL*2110, PHIL*2120, PHIL*2140, PHIL*3080, PHIL*3130, PHIL*3200, PHIL*4800.

Minor (Honours Program)

A minimum of 5.00 credits in Philosophy is required, including:

- one of PHIL*2140, PHIL*2160, PHIL*3060, PHIL*3080
- one of PHIL*2110, PHIL*2180, PHIL*3180, PHIL*3190, PHIL*4360, PHIL*4370
- one of PHIL*2060, PHIL*2120, PHIL*3050, PHIL*3230, PHIL*4310, PHIL*4320, PHIL*4340
- one of PHIL*2030, PHIL*2070, PHIL*2130, PHIL*2600, PHIL*3130, PHIL*3200, PHIL*3420, PHIL*3910, PHIL*3920, PHIL*3930
- 3.00 additional credits in Philosophy

Note: Students must have at least 3.50 credits in Philosophy at the 3000 level or above, and at least 1.50 of these at the 4000 level.

Political Science (POLS)**Department of Political Science, College of Social and Applied Human Sciences.**

The Department of Political Science offers courses in the following areas: Theory and Analysis, Canada and the Americas, Public Policy and Administration, and Comparative / International Development. These areas are listed below to identify 3000 level courses that fulfill prerequisites for selected 4000 level courses (see course descriptions). A brochure describing each of these fields of study, and containing further course information, is available from the departmental office. The Department of Political Science also participates in several interdisciplinary programs, including European Studies and International Development Studies.

Students taking courses in Political Science may enrol initially in POLS*1150, POLS*1400, POLS*1500, the latter 2 courses providing overview and introductory treatments of particular interest to students who wish to take higher level courses in the department but who do not intend to specialize in the discipline. For students intending to pursue a general or honours specialization in Political Science, however, POLS*1150 is required.

Courses at the 2000 level provide students with essential grounding in specific areas of the discipline and are normally prerequisite for enrolment in 3000 and 4000 level courses. Students in the honours program major are required to take POLS*3650. This course is also required for students in the honours program minor.

In addition to the requirements set out in the B.A. Program Regulations, the Department of Political Science requires that students pursuing general and honours programs successfully complete a core requirement of 2.50 credits and meet specific distribution requirements as follows:

Core Requirements

- POLS*1150, POLS*2000, POLS*2300
- POLS*2080 or POLS*2100
- POLS*2200 or POLS*2250

Area of Concentration (General Program)

A minimum of 5.00 credits in Political Science is required, including:

- the Political Science core
- 2.50 additional credits, at least 1.50 of which must be at the 3000 level or above

Major (Honours Program)

A minimum of 9.00 credits in Political Science is required, including:

- the Political Science core
- POLS*3650
- at least 0.50 credit at the 3000 level in three of the four fields in the department
- 2.00 credits at the 4000 level, two of which may include the POLS*4970/POLS*4980 Honours Thesis **

** Students interested in pursuing graduate or professional studies related to Political Science are encouraged to consider taking the POLS*4970/POLS*4980 Honours Thesis sequence. Interested students must obtain instructor consent in order to register for this option.

Minor (Honours Program)

A minimum of 5.00 credits in Political Science is required, including:

- the Political Science core
- POLS*3650
- 0.50 credit at the 4000 level

Choices for fulfillment of prerequisites for 4000 level courses (see course descriptions for corresponding requirements).

4000 Level Prerequisites**Political Theory and Analysis**

POLS*3021/2	[1.00]	History of Political Thought
POLS*3180	[0.50]	Political Inquiry and Analysis
POLS*3280	[0.50]	Modern Political Ideologies
POLS*3710	[0.50]	Politics and Sexuality

Canada and the Americas

POLS*3050	[0.50]	Canadian Political Parties, Elections and Pressure Groups
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POLS*3110	[0.50]	Politics of Ontario
POLS*3130	[0.50]	Law, Politics, and Judicial Process
POLS*3200	[0.50]	Canadian Provincial Politics
POLS*3210	[0.50]	The Constitution and Canadian Federalism
POLS*3270	[0.50]	Local Government in Ontario
POLS*3330	[0.50]	Politics and Trade Liberalization in the Americas
POLS*3390	[0.50]	Comparative Democratic Institutions
POLS*3410	[0.50]	Politics and Government in the United States
POLS*3730	[0.50]	The Americas

Public Policy and Administration

POLS*3110	[0.50]	Politics of Ontario
POLS*3210	[0.50]	The Constitution and Canadian Federalism
POLS*3250	[0.50]	Public Policy: Challenges and Prospects
POLS*3300	[0.50]	Governing Criminal Justice
POLS*3370	[0.50]	Environmental Policy Formation and Administration
POLS*3440	[0.50]	Corruption, Scandal and Political Ethics
POLS*3470	[0.50]	Business-Government Relations in Canada
POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3930	[0.50]	Politics of the Agri-Food System
POLS*3940	[0.50]	Accountability and Canadian Government

Comparative/International Development

POLS*3000	[0.50]	Politics of Africa
POLS*3060	[0.50]	Politics of the Middle East and North Africa
POLS*3070	[0.50]	The Politics of Asian Development
POLS*3080	[0.50]	Politics of Latin America
POLS*3160	[0.50]	Women and Politics in the Third World
POLS*3330	[0.50]	Politics and Trade Liberalization in the Americas
POLS*3390	[0.50]	Comparative Democratic Institutions
POLS*3410	[0.50]	Politics and Government in the United States
POLS*3440	[0.50]	Corruption, Scandal and Political Ethics
POLS*3450	[0.50]	European Governments and Politics
POLS*3460	[0.50]	Communism and Post-Communism
POLS*3670	[0.50]	Comparative Public Policy and Administration
POLS*3730	[0.50]	The Americas
POLS*3790	[0.50]	The Political Economy of International Relations
POLS*3890	[0.50]	Government and Politics of India
POLS*3920	[0.50]	Modern China

The Department of Political Science offers a comprehensive counselling service for students in Political Science. As part of their program, the department also permits students to include 0.50 credit towards the general degree and 1.00 credit towards the honours degree from an approved list of courses offered by other departments.

Students are encouraged to consult with the departmental advisor for either of these programs about course selection, substitution of courses offered by other departments, or other matters.

Psychology (PSYC)**Department of Psychology, College of Social and Applied Human Sciences.**

The discipline of Psychology is normally associated with the social sciences, the biological sciences, and the health professions. Specialization in Psychology at Guelph is available as a B.A. honours program major, a B.A. honours program major (co-op), and as an honours specialization in the B.Sc. program (described in the schedule of studies for B.Sc. programs). Through its different undergraduate programs, the Psychology Department attempts to provide a) a broad general education emphasizing psychological theory and methodology, with an empirical basis in course work (e.g. experiments and projects); b) an appropriate background in psychology for those who leave the University with an undergraduate degree to embark on careers in related areas (e.g. social services); and c) a sound preparation for graduate study in psychology. Students intending to apply for admission to graduate programs in Psychology are advised to refer to the Graduate Advisory Note.

A cumulative average of at least 70% in all course attempts in Psychology is required to enter or continue in the Honours Psychology program major in semesters 4, 5, 6, 7, and 8.

Minors

Students interested in a Minor in Psychology should examine the schedule of studies for the Minors in Cognitive Neuropsychology, Developmental Psychology, Educational Psychology, Organizational Behaviour, or Social Psychology. Within the BA Degree program, these are the only Honours Minors available from the Psychology Department. The department does not offer Psychology as an Honours BA Minor, or as an Area of Concentration in the General BA Program.

Note on Honours Courses

Courses marked (H) are designed for students in a psychology honours program, the Information Systems and Human Behaviour program, the Developmental Psychology Minor program, the Educational Psychology Minor program, the Organizational Behaviour Minor program, the Social Psychology program, the Cognitive Neuropsychology Minor program, or Human Resources Management major of the Bachelor of Commerce program.

Students in other programs wishing to take these courses must obtain the permission of the instructors concerned. Unless otherwise specified, all other courses may be taken by general, honours, and students from other programs, providing the prerequisites are met.

Courses designated with (H) are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology, or registration in either the HRM Major or ISHB Major.

Core Requirements

Each of the Psychology programs requires that students complete at least 6 of the following 2000 level Psychology courses (3.00 credits). Psychology students are advised that they are normally expected to complete at least four 2000 level Psychology core courses prior to attempting any 3000 level Psychology courses.

However, students should take the 3000 level methodology courses PSYC*3320(H), PSYC*3370(H) and PSYC*3380 (H) as early as possible, even though 4 core courses may not have been taken.

PSYC*2310	[0.50]	Introduction to Social Psychology
PSYC*2330	[0.50]	Principles of Learning
PSYC*2390	[0.50]	Principles of Sensation and Perception
PSYC*2410	[0.50]	Behavioural Neuroscience I
PSYC*2450	[0.50]	Introduction to Developmental Psychology
PSYC*2650	[0.50]	Cognitive Psychology
PSYC*2740	[0.50]	Personality

Major (Honours Program)

A minimum of 9.00 credits in Psychology is required, including (see notes below):

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour
6 of the 2000 level Psychology core courses listed above		
PSYC*2010	[0.50]	Quantification in Psychology
PSYC*2360	[0.50]	Introductory Research Methods
PSYC*3250	[0.50]	Psychological Measurement
PSYC*3320	[0.50]	Statistical Principles in Psychological Research

1.50 additional credits at the 3000 level or above (Students electing to take PSYC*3370 and PSYC*3380 will need to select only 0.50 additional credit at the 3000 level or above in order to satisfy this requirement.) (see Graduate Advisory Note).

1.50 additional psychology credits at the 4000 level (See Graduate Advisory Note).

Notes:

1. PSYC*2010 should normally be completed by the end of semester 3
2. PSYC*2360 should normally be completed by the end of semester 4
3. PSYC*3320 SHOULD NORMALLY BE COMPLETED BY THE END OF SEMESTER 4.
4. **NOTE: that PSYC*3320 is a prerequisite for PSYC*3370 and PSYC*3380 and that PSYC*3320 is an (H) designated course.**

Note: The regulations of the B.A. program govern the number of credits that must be taken at the 3000 level or above (see B.A. Program Regulations). With permission of the Psychology Department PRIOR to course selection, up to 1.00 non-psychology credit that would enhance the student's studies in Psychology, especially in preparation for post-graduate work, may be credited towards the total number of credits required for graduation in the honours program major in Psychology.

Graduate Advisory Note: Most graduate programs require the student to have at least a B+ average in order to be considered for admission. Students contemplating graduate work in Psychology are strongly advised to complete the major by completing 0.50 elective credit at the 3000 level or above and 0.50 elective credit at the 4000 level beyond PSYC*4870 and PSYC*4880 which would otherwise satisfy the 3000-4000 level elective requirement for the major.

These students are encouraged to complete the Psychology major as follows:

- a. PSYC*1100 and PSYC*1200
- b. 6 of the 2000 level Psychology core courses
- c. PSYC*2010 and PSYC*3320
- d. PSYC*2360 and PSYC*3370 and PSYC*3380
- e. an additional 0.50 credit in Psychology at the 3000 level or above
- f. PSYC*3250
- g. PSYC*4370 or PSYC*4900
- h. 0.50 elective at the 4000 level
- i. PSYC*4870 plus PSYC*4880

Students should note that an Honours Thesis is normally taken as a Fall-Winter sequence worth the equivalent of 1.50 credits toward the 20.00 credit Honours B.A. degree requirements.

Psychology (Co-op) (PSYC:C)

Department of Psychology, College of Social and Applied Human Sciences.

Co-operative Education formally integrates the student's academic study with 3 work terms (COOP*1000, COOP*2000, COOP*3000) in co-operating employer organizations. The Co-op program is offered as a B.A. honours program major degree taken as one of

two major options combined with 3 work terms. One of the options is recommended for Co-op students expecting to apply for admission to graduate studies in Psychology. (See Graduate Advisory Note.)

All Co-op students are strongly advised to complete the B.A. requirements by including in their program 3 or more courses from the listing of courses under Business Administration, to ensure that they have 1 or more courses in computer science, accounting and management, or organizational behaviour. (Business Administration is also available as a minor.) Although not required, Co-op students are strongly encouraged to select a minor as part of the program.

Depending on career aspirations, students should have a good working knowledge of one or more of the following before their first work semester: psychological measurement, quantitative methods, computer science, accounting and management, or organizational behaviour.

The first work term normally follows 3 or 4 semesters of academic study (see Section X-Co-operative Education Programs). Students must be eligible to continue in the Honours Psychology program in order to remain in the Co-op program.

Admission to the Co-op program is limited and will be based on academic background. Admission will normally be considered only at semester 1 entry or during semester 2 when the student selects courses for semester 3.

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

Major (Honours Program) - Stream A

The following Co-op schedule of studies is for students not intending to apply for admission to graduate programs in Psychology (includes 3 work terms).

Note: When selecting core and elective credits the student should keep in mind the prerequisites for their desired 3000 and 4000 level courses. When selecting courses beyond Psychology the student should keep in mind both their second specialization and courses appropriate for potential work-term placements.

Semester 1 - Fall

PSYC*1100	[0.50]	Principles of Behaviour
PSYC*1200	[0.50]	Dynamics of Behaviour
1.50 electives*		

Semester 2 - Winter

COOP*1100	[0.00]	Introduction to Co-operative Education
PSYC*2010	[0.50]	Quantification in Psychology
0.50 Psychology core***		
1.50 electives*		

Summer Semester

Optional, however completion of semester 3 requirements NOW would allow for additional flexibility in the scheduling of future work terms (see also optional schedule below for students intending to apply for graduate programs).

Semester 3 - Fall

PSYC*3320	[0.50]	Statistical Principles in Psychological Research
1.50 Psychology core***		
0.50 elective*		

Winter Semester

COOP*1000	[0.00]	Co-op Work Term I
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Semester 4 - Summer

1.00 Psychology core
1.50 electives****

Fall Semester

COOP*2000	[0.00]	Co-op Work Term II
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Semester 5 - Winter

PSYC*2360	[0.50]	Introductory Research Methods
PSYC*3250	[0.50]	Psychological Measurement
0.50 Psychology credit at the 3000 or 4000 level**		
1.00 elective		

Summer Semester

COOP*3000	[0.00]	Co-op Work Term III
PSYC*4910	[0.50]	Co-operative Education Project I

Semester 6 - Fall

1.00 Psychology elective at the 3000 or 4000 level**
1.50 electives

Semester 7 - Winter

1.00 Psychology elective at the 3000 or 4000 level**
1.50 electives

Semester 8 - Summer*****

2.00 electives

* B.A. distribution requirements should be satisfied within the first 4 semesters

** at least two of these Psychology courses must be at the 4000 level

*** see Semester 4 requirements as not all core courses are available in the Summer Semester

**** PSYC*2310 and PSYC*2740 are normally available in the Summer Semester

***** the schedule for COOP*3000 and semester 8 requirements can be exchanged

Major (Honours Program) - Stream B

The following Co-op schedule of studies is recommended for those students intending to apply for graduate work in Psychology (includes 3 work terms and 18 Psychology courses).

Semester 1 - Fall

PSYC*1100 [0.50] Principles of Behaviour
PSYC*1200 [0.50] Dynamics of Behaviour

1.50 electives*

Semester 2 - Winter

COOP*1100 [0.00] Introduction to Co-operative Education
PSYC*2010 [0.50] Quantification in Psychology

1.00 Psychology core (other than PSYC*2310 or PSYC*2740)

1.00 electives*

Semester 3 - Summer

PSYC*2310 [0.50] Introduction to Social Psychology
PSYC*2740 [0.50] Personality

1.50 elective*

Semester 4 - Fall

PSYC*2360 [0.50] Introductory Research Methods
PSYC*3320 [0.50] Statistical Principles in Psychological Research

1.00 Psychology core

0.50 elective*

Winter Semester

COOP*1000 [0.00] Co-op Work Term I

Summer Semester

COOP*2000 [0.00] Co-op Work Term II

Semester 5 - Fall

PSYC*3370 [0.50] Experimental Design and Analysis

2.00 electives*

Semester 6 - Winter

PSYC*3250 [0.50] Psychological Measurement
PSYC*3380 [0.50] Non-experimental Research Methods

1.50 electives*

Summer Semester

Optional

Fall Semester**

COOP*3000 [0.00] Co-op Work Term III

One of:

PSYC*4910 [0.50] Co-operative Education Project I

0.50 PSYC*

0.50 elective

Semester 7 - Winter**

PSYC*4870 [0.50] Honours Thesis I

2.00 electives*

Semester 8 - Summer

PSYC*4880 [1.00] Honours Thesis II

1.00 elective*

*at least 1.00 of the elective credits in semester 5, 6, 7, or 8 must be a 3000 level or above Psychology elective (and include either PSYC*4370 or PSYC*4900). The total of electives should include the B.A. program distribution requirements and the completion of the total number of credits required at the 3000 level or above required by the B.A. degree.

**the schedule for COOP*3000 and semester 7 requirements can be exchanged

Rural and Development Sociology (RDS)

Department of Sociology and Anthropology, College of Social and Applied Human Sciences.

The program of Rural and Development Sociology focuses on the study of rural institutions and processes in industrialized societies with an emphasis on changes in rural communities, agriculture and natural resources, including historical and comparative analyses of the development of rural life. It provides students with major research and conceptual tools needed for the understanding of rural transformation, their interdependence with the natural environment and with urban society.

Major (Honours Program)

A minimum of 8.00 credits in Sociology and Anthropology is required, including:

- a. ANTH*1150, SOAN*2111/2, SOAN*2120, SOAN*3070, SOAN*3120, SOAN*4500, SOC*1100, SOC*2080, (ANTH*3690 or SOC*3310), SOC*3380, SOC*4210,

- b. 4 of SOAN*4220, SOAN*4240, SOC*2010, SOC*2090, SOC*2280, SOC*2390, SOC*4880, SOC*4890, SOC*4900, SOC*4910

- c. at least 1.00 credit at the 4000 level

Rural Extension Studies (RES)

School of Environmental Design and Rural Development, Ontario Agricultural College.

Rural Extension Studies is offered as a minor in the honours program. It is designed to provide students with an opportunity to pursue studies which focus on the development of non formal educational programs for rural people and rural communities and their organizations. The program comprises 5.00 credits. 3.00 of these are drawn from the area of Rural Extension studies; 2.00 electives must be chosen from 1 or several complementary disciplines in the social sciences. Students seeking counselling should consult with a departmental advisor in the School of Rural Extension Studies.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

REXT*2000 [0.50] Introduction to Rural Extension
REXT*3000 [0.50] Program Development and Evaluation

Four of the following:

REXT*3040 [0.50] Communication Process
REXT*3060 [0.50] International Communication
REXT*3080 [0.50] Technology in Extension
REXT*3100 [0.50] Teaching and Learning in Non-Formal Education
REXT*4020 [0.50] Rural Extension in Change and Development
REXT*4100 [0.50] Leadership Development in Rural Organization

Electives

The remaining credits required for the minor must be selected from the following list. However, students are strongly advised to consult with the departmental advisor before choosing electives.

ECON*4830 [0.50] Economic Development
GEOG*1220 [0.50] Human Impact on the Environment
GEOG*3320 [0.50] Agriculture and Society
POLS*2080 [0.50] Development and Underdevelopment
POLS*2200 [0.50] International Relations
PSYC*2310 [0.50] Introduction to Social Psychology
PSYC*2450 [0.50] Introduction to Developmental Psychology
SOAN*3300 [0.50] Community Development
SOC*2080 [0.50] Rural Sociology

Social Psychology (SPSY)

Department of Psychology, College of Social and Applied Human Sciences.

Social Psychology focuses on the ways in which human experience is grounded in social interactions and social relationships. Although this Minor was designed for any student seeking to broaden their knowledge beyond their Major area of study, it may be of particular interest to students who are considering future careers in human service fields such as Social Work, Counselling, Criminology, and Occupational Therapy. The program may also be of special interest to students associated with the Collaborative Diploma Program in Public/Private Sector Administration.

Minor (Honours Program)

(May not be taken in combination with a Psychology Honours Major)

A minimum of 6.00 credits is required, including:

PSYC*1100 [0.50] Principles of Behaviour
PSYC*1200 [0.50] Dynamics of Behaviour
PSYC*3310 [0.50] Applied Social Psychology

2.50 credits in 5 Psychology Core Courses to include PSYC*2310, PSYC*2450

0.50 credit in a Psychology elective (it is recommended that this elective be chosen from the list of seven restricted electives below)

1.50 credits from three of the following seven courses:

PSYC*3070 [0.50] Psychology in Human Resource Management
PSYC*3080 [0.50] Organizational Psychology
PSYC*3450 [0.50] Social and Personality Development
PSYC*3500 [0.50] Social Interactions
PSYC*3520 [0.50] Political Psychology
PSYC*3690 [0.50] Community Mental Health
PSYC*4310 [0.50] Advanced Topics in Social Psychology

Note: Courses designated with (H) in Section XII--Course Descriptions are Honours level courses requiring for registration a cumulative average of at least 70% in all course attempts in Psychology.

Sociology (SOC)

Department of Sociology and Anthropology, College of Social and Applied Human Sciences.

The Department of Sociology and Anthropology offers three types of courses: sociology courses with the prefix SOC*; anthropology courses with the prefix ANTH*; and departmental courses with the prefix SOAN*. The departmental category of courses

recognizes the fact that the disciplines of sociology and sociocultural anthropology have developed in tandem and it is possible to identify large areas of overlap and convergence in the work of practitioners both historically and in the present. Departmental courses include most of the core theory and methods courses as well as many elective courses. They contribute equally to the subject matter of sociology as well as the subject matter of sociocultural anthropology for purposes of the undergraduate programs of study in both disciplines. Please see the listings for all courses required for the Sociology program. Note: the following courses may be used towards a sociology specialization: FRHD*3060 and PHIL*2180.

Courses will normally be offered in the semesters designated. For information on other semesters these courses will be offered and the semester those courses without designations will be offered, please check with the department. In addition to regularly scheduled courses, students may elect to do independent study. A student who wishes to do a reading course should first consult the professor with whom he/she wishes to work. Please note, a student is allowed a total of 1.00 credits only for reading courses.

Sociology credit may also be given for some Anthropology courses with the exception of ANTH*3840 through ANTH*4910 inclusive. See a Sociology/Anthropology Faculty Advisor for approval of substitutions.

Area of Concentration (General Program)

A minimum of 5.00 credits in Sociology and Anthropology is required, including:

ANTH*1150	[0.50]	Anthropology
SOAN*2111/2	[1.00]	Classical Theory
SOAN*2120	[0.50]	Introductory Methods
SOC*1100	[0.50]	Sociology

2.50 additional credits from the Department of Sociology and Anthropology, including at least 1.00 at the 3000 level

Major (Honours Program)

A minimum of 8.00 credits in Sociology and Anthropology is required, including:

ANTH*1150	[0.50]	Anthropology
SOAN*2111/2	[1.00]	Classical Theory
SOAN*2120	[0.50]	Introductory Methods
SOAN*3070	[0.50]	Qualitative and Observational Methods
SOAN*3120	[0.50]	Quantitative Methods
SOC*1100	[0.50]	Sociology
SOC*3310	[0.50]	Contemporary Theory

4.00 additional credits from the Department of Sociology and Anthropology, including at least 1.50 at the 4000 level

Minor (Honours Program)

A minimum of 5.00 credits in Sociology and Anthropology is required, including:

ANTH*1150	[0.50]	Anthropology
SOAN*2111/2	[1.00]	Classical Theory
SOAN*2120	[0.50]	Introductory Methods
SOC*1100	[0.50]	Sociology

2.50 additional credits from the Department of Sociology and Anthropology, including at least 1.00 credit at the 3000 level or above

The following courses may be used toward a sociology specialization: FRHD*3060 and PHIL*2180.

Note: All Anthropology courses may be used for credit in Sociology except for ANTH*3840 through ANTH*4910 inclusive.

Spanish (SPAN)

School of Languages and Literatures, College of Arts.

All language courses carry 0.50 credit. Students with Year 4 (Grade 12) or OAC Spanish or their equivalent may be admitted into SPAN*1100 only with the approval of the School. Students with OAC Spanish or its equivalent may be admitted into SPAN*1110 only with the approval of the School. Students with native or near native fluency, spoken and written, normally begin language courses with SPAN*2000 and are allowed some flexibility in sequence of language courses. Such students should consult the coordinator before beginning Spanish studies. Students advancing in a Romance language (French, Spanish, Italian) are advised to take electives in a second Romance language and in Latin. All language students are strongly advised to include CLAS*1000 and LING*1000, among their electives in order to derive the maximum benefit from their studies. Students registering in these courses will be expected to have the appropriate knowledge.

Study Abroad

The School of Languages and Literatures encourages students in modern languages to spend 1 or 2 semesters in another country to study a particular language at the university level. Credit for programs of study successfully completed may be applied towards the University of Guelph degree requirements. Requests should be addressed well in advance to either the School or a particular section of the School. A letter of permission is required (see Section VIII--Undergraduate Degree Regulations & Procedures).

Area of Concentration (General Program)

A minimum of 5.00 credits in Spanish is required, including:

- 3.00 credits from SPAN*1100, SPAN*1110, SPAN*2000, SPAN*2010, SPAN*3500, SPAN*3530, SPAN*4500, SPAN*4520
- SPAN*2040, SPAN*2990, SPAN*3080
- 0.50 credit in literature

Major (Honours Program)

A minimum of 8.00 credit in Spanish is required, including:

- SPAN*2000, SPAN*2010, SPAN*2040, SPAN*2990, SPAN*3080, SPAN*3500, SPAN*3530, SPAN*4500, SPAN*4520
- seven literature courses

Note: Students intending to proceed to graduate studies should take SPAN*3170 and SPAN*4170

Minor (Honours Program)

A minimum of 5.50 credits in Spanish is required, including:

- 3.00 credits from SPAN*1100, SPAN*1110, SPAN*2000, SPAN*2010, SPAN*3500, SPAN*3530, SPAN*4500, SPAN*4520
- SPAN*2040, SPAN*2990, SPAN*3080
- 1.00 credit in literature

Note: Students in the Spanish program may include one of the following courses for credit in their program:

HIST*2110	[0.50]	The Atlantic World 1500-1850
HIST*2920	[0.50]	Republican Latin America
POLS*3080	[0.50]	Politics of Latin America

Any other substitution for required courses can only be made with the approval of the faculty advisor.

Statistics (STAT)

Department of Mathematics and Statistics, College of Physical and Engineering Science.

The discipline of Statistics is essential in the social sciences, biological sciences, physical sciences, and health professions. The specialization in Statistics emphasizes applications of statistical theory and methods to other disciplines and is available in the B.A. Honours Program as a major or minor and as an area of concentration in the General Program.

Students are encouraged to combine the study of statistics with another field.

Statistical computing is a fundamental tool for the application of modern statistical methods. Students in these programs will develop skills in computer applications programming using such high-level languages as SAS and S-PLUS.

Area of Concentration (General Program)

A minimum of 5.00 credits in Statistics and Mathematics is required, including:

- no more than 1.00 credit from courses at the 1000 level
- 3.00 credits in statistics (STAT), 2.00 of which must be from courses at the 3000 level or above

Recommended Courses

MATH*1200	[0.50]	Calculus I
MATH*1210	[0.50]	Calculus II
MATH*2150	[0.50]	Applied Matrix Algebra
STAT*2040	[0.50]	Statistics I
STAT*2050	[0.50]	Statistics II
STAT*3100	[0.50]	Introductory Mathematical Statistics I
STAT*3110	[0.50]	Introductory Mathematical Statistics II
STAT*3240	[0.50]	Applied Regression Analysis
STAT*3320	[0.50]	Sampling Theory with Applications

Honours Programs

Students who major or minor in Statistics may not receive credit for the following courses unless taken to satisfy the requirements of another program: ECON*2740, PSYC*2010, PSYC*3320, SOAN*3120.

Major (Honours Program)

Students may enter this major in Semester I or any semester thereafter. A student wishing to declare the major must consult the Faculty Advisor. A minimum of 20.00 credits is required to complete the degree, with a minimum of 9.50 credits required as below to complete the major.

1.50 credits as follows:

CIS*1500	[0.50]	Introduction to Programming
MATH*1200	[0.50]	Calculus I
MATH*1210	[0.50]	Calculus II

5.00 credits in Statistics and Mathematics as follows:

MATH*2130	[0.50]	Numerical Methods
MATH*2200	[0.50]	Advanced Calculus I
STAT*2040	[0.50]	Statistics I
STAT*2050	[0.50]	Statistics II
STAT*3100	[0.50]	Introductory Mathematical Statistics I
STAT*3110	[0.50]	Introductory Mathematical Statistics II

STAT*3210	[0.50]	Experimental Design
STAT*3240	[0.50]	Applied Regression Analysis
STAT*3320	[0.50]	Sampling Theory with Applications
One of:		
MATH*2150	[0.50]	Applied Matrix Algebra
MATH*2160	[0.50]	Linear Algebra I

2.50 credits in Statistics at the 3000 or 4000 level, of which at least 2.00 credits must be at the 4000 level.

0.50 credit in Mathematics or Statistics at the 2000-level or above.

Recommended Schedule of Studies for Major (Honours Program)

Semester 1

MATH*1200	[0.50]	Calculus I
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2.00 electives*

Semester 2

CIS*1500	[0.50]	Introduction to Programming
MATH*1210	[0.50]	Calculus II

1.50 electives

Semester 3

MATH*2200	[0.50]	Advanced Calculus I
STAT*2040	[0.50]	Statistics I

One of:

MATH*2150	[0.50]	Applied Matrix Algebra
MATH*2160	[0.50]	Linear Algebra I

1.00 electives**

Semester 4

MATH*2130	[0.50]	Numerical Methods
STAT*2050	[0.50]	Statistics II

1.50 electives**

Semester 5

STAT*3100	[0.50]	Introductory Mathematical Statistics I
STAT*3240	[0.50]	Applied Regression Analysis
STAT*3320	[0.50]	Sampling Theory with Applications

1.00 elective**

Semester 6

STAT*3110	[0.50]	Introductory Mathematical Statistics II
STAT*3210	[0.50]	Experimental Design

1.50 elective**

Semester 7

2.50 electives**

Semester 8

2.50 electives**

* See "Semester One Requirements" for Bachelor of Arts programs.

**Electives must satisfy the following requirements:

1. Electives must include at least 2.50 credits in Statistics at the 3000 or 4000 level, and an additional 0.50 credit in Statistics or Mathematics at the 2000 level or above.
2. At least 2.00 credits in Statistics must be at the 4000 level.
3. Electives plus core courses must include at least 7.00 credits at the 3000 or 4000 level.

Minor (Honours Program)

At least 5.00 credits in Statistics or Mathematics is required, including:

MATH*1200	[0.50]	Calculus I
MATH*1210	[0.50]	Calculus II
STAT*2040	[0.50]	Statistics I
STAT*2050	[0.50]	Statistics II
STAT*3100	[0.50]	Introductory Mathematical Statistics I
STAT*3110	[0.50]	Introductory Mathematical Statistics II
STAT*3240	[0.50]	Applied Regression Analysis

One of:

MATH*2150	[0.50]	Applied Matrix Algebra
MATH*2160	[0.50]	Linear Algebra I

0.50 additional credit in Statistics

0.50 additional credit in Statistics or Mathematics

Studio Art (SART)

School of Fine Art and Music, College of Arts.

The School offers programs that allow for concentrated study in Art History or in Studio Art, or for a more balanced study in the two disciplines. Both programs, however, require work in both Studio Art and Art History. Specific requirements are listed below.

Cost of Studio Supplies

The majority of the cost of supplies must be borne by the student. In order to permit the University to subsidize this cost and to allow for savings through discount buying, some

materials are obtained through the school by payment of a lab fee. The amount of the fee is established for each semester prior to registration.

Student Counselling

The students who elect to take a substantial number of credits in either Art History or Studio Art with the objective of graduate work are advised to obtain counselling from faculty regarding their choices. However, in general, it is important to know that graduate studies in Art History will usually require a reading knowledge of at least 2 languages other than English. German, French, Italian and Latin are among the most useful choices. Cognate electives in other disciplines in the College of Arts (such as History) will almost certainly prove an asset. A Studio career to the graduate level will normally require some education in all the traditional and contemporary media as well as an awareness of art theory.

Core Requirements

ARTH*1220	[0.50]	The Visual Arts Today
ARTH*1520	[0.50]	Art Historical Studies II
SART*1050	[0.50]	Integrated 2-D Media
SART*1060	[0.50]	Media Convergence

Major (Honours Program)

A minimum of 9.00 credits is required, including:

- a. the Studio Art core
- b. 2.00 additional credits in Studio Art, including at least 0.50 credit from List A and 0.50 from List B
- c. 2.00 additional credits in Art History including:
 - i. 0.50 credit in Canadian Art (ARTH*2060, ARTH*2490, ARTH*3010)
 - ii. 0.50 credit in Western Art (ARTH*2150, ARTH*2280, ARTH*2540, ARTH*2550, ARTH*2950, ARTH*3100, ARTH*3150, ARTH*3200, ARTH*3540, ARTH*3550, ARTH*3640)
 - iii. 0.50 credit in Modern and Contemporary Art (ARTH*2070, ARTH*2290, ARTH*2580, ARTH*2600, ARTH*3520, ARTH*3570)
 - iv. 0.50 credit in Art Theory, Critical Methodology and Museology (ARTH*2120, ARTH*2480, ARTH*3780)
- d. 3.00 additional credits in Studio Art or Art History

Note: at least 1.50 credits from the total of 9.00 credits must be taken in Studio Art or Art History at the 4000 level.

Minor (Honours Program)

A minimum of 6.00 credits is required, including:

- a. the Studio Art core
- b. 0.50 credit in Studio Art or Art History at the 4000 level
- c. 1.50 additional credits in Art History, including:
 - i. 0.50 credits in Canadian Art (ARTH*2060, ARTH*2490, ARTH*3010)
 - ii. 0.50 credit in Modern and Contemporary Art (ARTH*2070, ARTH*2290, ARTH*2580, ARTH*2600, ARTH*3520, ARTH*3570)
- d. 2.00 additional credits in Studio Art, including 0.50 credit from List A and 0.50 from List B

List A

SART*2090	[0.50]	Drawing I
SART*2200	[0.50]	Painting I
SART*2460	[0.50]	Introductory Printmaking I
SART*2470	[0.50]	Introductory Printmaking II
SART*2610	[0.50]	Photography I
SART*2700	[0.50]	Introduction to Computer Graphics
SART*2710	[0.50]	Drawing Graphics on the Computer
SART*3090	[0.50]	Drawing II
SART*3200	[0.50]	Painting II
SART*3410	[0.50]	Intaglio
SART*3450	[0.50]	Lithography
SART*3470	[0.50]	Photo-Printmaking
SART*3750	[0.50]	Photography II
SART*4090	[0.50]	Drawing III
SART*4100	[0.50]	Drawing IV
SART*4200	[0.50]	Painting III
SART*4210	[0.50]	Painting IV
SART*4230	[0.50]	Special Topics in Painting
SART*4410	[0.50]	Experimental Printmaking
SART*4450	[0.50]	Advanced Printmaking
SART*4700	[0.50]	Photography III
SART*4710	[0.50]	Photography IV

List B

SART*2300	[0.50]	Sculpture I
SART*2800	[0.50]	Extended Media I
SART*3300	[0.50]	Sculpture II

SART*3770	[0.50]	Extended Media II	WMST*3000	[0.50]	Feminist Theory and Methods
SART*4300	[0.50]	Sculpture III	WMST*3010	[0.50]	Gender and Diversity
SART*4310	[0.50]	Sculpture IV	WMST*4010	[0.50]	Seminar in Women's Studies
SART*4810	[0.50]	Extended Media III	Two of:		
SART*4820	[0.50]	Extended Media IV	ARTH*3780	[0.50]	Gender and Art

Notes:

1. Students in the Art History Major or Minor cannot count more than 11.00 credits in Art History or 11.00 credits in Studio Arts towards their honours degree.
2. Details of advanced standing for transfer students from the Ontario College of Art and Design (OCAD) can be found in the section on Admission Information.
3. In accordance with the B.A. program regulation limiting the number of credits to be taken in any subject area, OCAD graduates granted the maximum advanced standing of credits in Studio Arts will be limited to 2.00 additional credits in Studio Arts at the University of Guelph.
4. A cumulative average of at least 70% in all course attempts in Studio Arts and Art History is required in order to enter or continue in the Honours Studio Arts program.

Visual Arts of the Americas (VAA) (Minor)**School of Fine Art and Music.**

The Minor program in Visual Arts of the Americas enables students to study the art history of Canada, the United States, and Central and South America as an integrated field where certain basic conditions are shared: the existence of aboriginal traditions persisting from the pre-conquest period, the confrontation of a variety of European, African and Asian cultural heritages, and a continuing post-colonial evolution producing hybrid cultural identities.

This program of study is designed as a complement to a significant number of Major specialization, suitable for any student wishing to broaden their knowledge beyond their Major area of study.

Minor (Honours Program)

(May not be taken in combination with Art History Honours Major).

A minimum of 5.00 credits is required, including:

- a. ARTH*1220 [0.50] The Visual Arts Today
 - ARTH*1510 [0.50] Art Historical Studies I
 - ARTH*1520 [0.50] Art Historical Studies II
- b. 3.50 additional credits in Art History as follows:
 - ARTH*2480 [0.50] Introduction to Art Theory and Criticism
 - ARTH*3220 [0.50] Nationalism and Identity in Art

Two of:

 - ARTH*2050 [0.50] Arts of the Americas: Latin America
 - ARTH*2060 [0.50] Arts of the Americas: Aboriginal Perspectives
 - ARTH*2070 [0.50] Arts of the Americas: The USA
 - ARTH*2490 [0.50] Arts of the Americas: Canada

Two of:

 - ARTH*3010 [0.50] Americas: Canada
 - ARTH*3050 [0.50] Americas: Meso America
 - ARTH*3060 [0.50] Americas: Public Art

One of:

 - ARTH*4050 [0.50] Questions in the Americas I
 - ARTH*4060 [0.50] Questions in the Americas II

Women's Studies (WMST)**Interdisciplinary Program.****Women's Studies Office, College of Arts, Ext. 54344.**

The Women's Studies program offers an interdisciplinary program that uses gender as its focus of analysis.

Area of Concentration (General Program)

A minimum of 5.00 credits is required, including:

- a. 4.50 credits from List A
- b. 0.50 additional credits from Lists A or B

Major (Honours Program)

A minimum of 8.00 credits is required, including:

- a. 4.50 credits from List A
- b. 3.50 additional credits from Lists A or B

At least 4.00 of these credits must be at the 3000 level or above.

Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- a. 4.50 credits from List A
- b. 0.50 additional credits from Lists A or B

List A

WMST*1000	[0.50]	Introduction to Women's Studies
WMST*2000	[0.50]	Women and Representation

ARTH*3780	[0.50]	Gender and Art
ENGL*2880	[0.50]	Women in Literature
HIST*2930	[0.50]	Women and Cultural Change
PHIL*2060	[0.50]	Philosophy of Feminism
PHIL*3210	[0.50]	Women in the History of Philosophy
Two of:		
ANTH*3400	[0.50]	The Anthropology of Gender
GEOG*3090	[0.50]	Gender and Environment
ISS*3420	[0.50]	Women Social and Political Theorists
POLS*3710	[0.50]	Politics and Sexuality
PSYC*3300	[0.50]	The Psychology of Gender
SOAN*2400	[0.50]	Introduction to Gender Systems

List B

ENGL*4220	[0.50]	Special Topics in Women's Writings
FREN*3560	[0.50]	Contemporary French Women's Writings
HIST*2800	[0.50]	The History of the Modern Family
HIST*3020	[0.50]	Sexuality and Gender in History
HIST*3570	[0.50]	Women in Modern Europe
HUMN*3170	[0.50]	Women, Virtue and Honour in Spanish Drama (In English)
SOAN*3100	[0.50]	Comparative Perspectives on Families and Households
SOAN*4220	[0.50]	Canadian Rural Women
SOAN*4240	[0.50]	Women and the Development Process
WMST*3510	[0.50]	Directed Readings in Women's Studies
WMST*3520	[0.50]	Independent Workplace Learning in Women's Studies
WMST*4510	[0.50]	Advanced Topics in Women's Studies
WMST*4520	[0.50]	Advanced Topics in Women's Studies

An independent study or reading course on an appropriate topic from any subject area of the College of Arts or the College of Social and Applied Human Science may also be included in the program.