2018-2019 Undergraduate Calendar

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2018-2019 academic year, including the Summer Semester 2018, the Fall Semester 2018 and the Winter Semester 2019.

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

If you wish to link to the Undergraduate Calendar please refer to the Linking Guidelines.

The University is a full member of:

• Universities Canada

Contact Information:

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Revision Information:

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Disclaimer

University of Guelph 2018

The information published in this Undergraduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2018-2019 academic year, including the Summer Semester 2018, the Fall Semester 2018 and the Winter Semester 2019.

The University reserves the right to change without notice any information contained in this calendar, including fees, 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.

The University will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by faculty, staff or students of the University or by others, civil unrest or disobedience, public health emergencies, or any other cause of any kind beyond the reasonable control of the University.

In the event of a discrepancy between a print version (downloaded) and the Web version, the Web version will apply,

Published by: Enrolment Services
Introduction

Collection, Use and Disclosure of Personal Information

Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) http://www.e-laws.gov.on.ca/index.html. This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Advanced Education and Skills Development, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrarial Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrarial Services at the University at (519) 824-4120 or see http://www.uoguelph.ca/registrar/registrar/index.cfm?index.

Disclosure of Personal Information to the Ontario Ministry of Advanced Education and Skills Development

The University of Guelph is required to disclose personal information such as characteristics and educational outcomes to the Minister of Advanced Education and Skills Development under s. 15 of the Ministry of Advanced Education and Skills Development Act, R.S.O. 1990, Chapter M.19, as amended. The Ministry collects this data for purposes including but not limited to planning, allocating and administering public funding to colleges, universities and other post-secondary educational and training institutions.

Amendments made to the Ministry of Advanced Education and Skills Development Act, authorizing the collection and use of personal information from colleges and universities by the Ministry of Advanced Education and Skills Development, which were set out in Schedule 5 of the Childcare Modernization Act, 2014, came into force on March 31, 2015. The amendments strengthen the ability of the Minister to directly or indirectly collect and use personal information about students as required to conduct research and analysis, including longitudinal studies, and statistical activities conducted by or on behalf of the Ministry for purposes that relate to post-secondary education and training, including:

i. understanding the transition of students from secondary school to post-secondary education and training,
ii. understanding student participation and progress, mobility and learning and employment outcomes,
iii. understanding linkages among universities, colleges, secondary schools and other educational and training institutions prescribed by regulation,
iv. understanding trends in post-secondary education or training program choices made by students,
v. understanding sources and patterns of student financial resources, including financial assistance and supports provided by government and post-secondary educational and training institutions,
vi. planning to enhance the affordability and accessibility of post-secondary education and training and the quality and effectiveness of the post-secondary sector,
vii. identifying conditions or barriers that inhibit student participation, progress, completion and transition to employment or future post-secondary educational or training opportunities, and
viii. developing key performance indicators.

Information that the University is required to provide includes but is not limited to: first, middle and last name, Ontario Educational Number, citizenship, date of birth, gender, first three digits of a student’s postal code, mother tongue, degree program and major(s) in which the student is enrolled, year of study and whether the student has transferred from another institution.

Further information on the collection and use of student-level enrolment-related data can be obtained from the Ministry of Advanced Education and Skills Development website: https://www.ontario.ca/page/ministry-advanced-education-and-skills-development (English) or https://www.ontario.ca/fr/page/ministere-de-lenseignement-supérieur-et-de-la-formation-professionnelle (French) or by writing to the Director, Postsecondary Finance and Information Management Branch, Postsecondary Education Division, 7th Floor, Mowat Block, 900 Bay Street, Toronto, ON M7A 1L2.


Frequently Asked Questions related to the Ministry’s enrolment and OEN data activities are also posted at: http://www.tcu.gov.on.ca/pepa/publications/NoticeOfCollection.pdf

Authority to Disclose Personal Information to Statistics Canada

The Ministry of Advanced Education and Skills Development discloses student-level enrolment-related data it collects from the colleges and universities as required by Statistics Canada in accordance with Section 13 of the Federal Statistics Act. This gives Ministry of Advanced Education and Skills Development Act authority to disclose personal information in accordance with s. 42(1) (e) of FIPPA

Notification of Disclosure of Personal Information to Statistics Canada

For further information, please see the Statistics Canada's web site at http://www.statcan.ca and Section XIV Statistics Canada.

Address for University Communication

Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

Email Address

The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly. See Section I--Statement of Students' Academic Responsibilities for more information.

Home Address

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through Enrolment Services.

Name Changes

The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, his/her complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

Student Confidentiality and Release of Student Information Policy Excerpt

The University undertakes to protect the privacy of each student and the confidentiality of his or her record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Learning Outcomes
On December 5, 2012, the University of Guelph Senate approved five University-wide Learning Outcomes as the basis from which to guide the development of undergraduate degree programs, specializations and courses:

1. Critical and Creative Thinking
2. Literacy
3. Global Understanding
4. Communicating
5. Professional and Ethical Behaviour

These learning outcomes are also intended to serve as a framework through which our educational expectations are clear to students and the broader public; and to inform the process of outcomes assessment through the quality assurance process (regular reviews) of programs and departments.

An on-line guide to the learning outcomes, links to the associated skills, and detailed rubrics designed to support the development and assessment of additional program and discipline-specific outcomes, are available for reference on the Learning Outcomes website.

1. Critical and Creative Thinking

Critical and creative thinking is a concept in which one applies logical principles, after much inquiry and analysis, to solve problems with a high degree of innovation, divergent thinking and risk taking. Those mastering this outcome show evidence of integrating knowledge and applying this knowledge across disciplinary boundaries. Depth and breadth of understanding of disciplines is essential to this outcome.

In addition, Critical and Creative Thinking includes, but is not limited to, the following outcomes: Inquiry and Analysis; Problem Solving; Creativity; and Depth and Breadth of Understanding.

2. Literacy

Literacy is the ability to extract information from a variety of resources, assess the quality and validity of the material, and use it to discover new knowledge. The comfort in using quantitative literacy also exists in this definition, as does using technology effectively and developing visual literacy.

In addition, Literacy includes, but is not limited to, the following outcomes: Information Literacy, Quantitative Literacy, Technological Literacy, and Visual Literacy.

3. Global Understanding:

Global understanding encompasses the knowledge of cultural similarities and differences, the context (historical, geographical, political and environmental) from which these arise, and how they are manifest in modern society. Global understanding is exercised as civic engagement, intercultural competence and the ability to understand an academic discipline outside of the domestic context.

In addition, Global Understanding includes, but is not limited to, the following outcomes: Global Understanding, Sense of Historical Development, Civic Knowledge and Engagement, and Intercultural Competence.

4. Communicating

Communicating is the ability to interact effectively with a variety of individuals and groups, and convey information successfully in a variety of formats including oral and written communication. Communicating also comprises attentiveness and listening, as well as reading comprehension. It includes the ability to communicate and synthesize information, arguments, and analyses accurately and reliably.

In addition, Communicating includes, but is not limited to, the following outcomes: Oral Communication, Written Communication, Reading Comprehension, and Integrative Communication.

5. Professional and Ethical Behaviour

Professional and ethical behaviour requires the ability to accomplish the tasks at hand with proficient skills in teamwork and leadership, while remembering ethical reasoning behind all decisions. The ability for organizational and time management skills is essential in bringing together all aspects of managing self and others. Academic integrity is central to mastery in this outcome.

In addition, Professional and Ethical Behaviour includes, but is not limited to, the following outcomes: Teamwork, Ethical Reasoning, Leadership, and Personal Organization and Time Management
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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.

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

The B.A. Distribution Requirements (requirements 1, 2, and 3) need not be completed immediately but are a graduation requirement.

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

1. A minimum of 1.50 credits over at least 2 different subject areas in the humanities:
   - ARTH Art History
   - CHIN Mandarin
   - CLAS Classical Studies
   - ENGL English
   - EURO European Studies
   - GERM German Studies
   - GREK Greek
   - HIST History
   - HUMN Humanities
   - ITAL Italian Studies
   - LAT Latin
   - LING Linguistics
   - MUSC Music

   PHIL Philosophy
   - PORT Portuguese
   - SART Studio Art
   - SPAN Spanish and Hispanic Studies
   - THST Theatre Studies
   - WMST Women’s Studies

2. A minimum of 1.50 credits over at least two of the following subject areas in the social 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

3. 1.00 credits 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 credits 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 4U credit in a specific area):

- AGR*2150 [0.50] Plant Agriculture for International Development
- BIOL*1020 [0.50] Introduction to Biology
- BIOL*1500 [0.50] Humans in the Natural World
- BIOM*2000 [0.50] Concepts in Human 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
- ENVS*1060 [0.50] Principles of Geology
- ENVS*2060 [0.50] Soil Science
- ENVS*2130 [0.50] Eating Sustainably in Ontario
- ENVS*2210 [0.50] Apiculture and Honey Bee Biology
- ENVS*2270 [0.50] Impacts of Climate Change
- FOOD*2010 [0.50] Principles of Food Science
- GEOG*1300 [0.50] Introduction to the Biophysical Environment
- GEOG*1350 [0.50] Earth: Hazards and Global Change
- HORT*1120 [0.50] Grape and Wine Science
- HORT*1130 [0.50] Science of Gardening
- MBG*1000 [0.50] Genetics and Society
- MUSC*1090 [0.50] Physics of Music
- NUTR*1010 [0.50] Introduction to Nutrition
- PHYS*1600 [0.50] Contemporary Astronomy
- PHYS*1810 [0.50] Physics of Music

Other acceptable courses which require 4U or university preparation:

- BIOL*1XXX [0.00] Any BIOL course at the 1000 level
- CHEM*1XXX [0.00] Any CHEM course at the 1000 level
- CIS*1XXX [0.00] Any CIS course at the 1000 level
- ENVS*2030 [0.50] Meteorology and Climatology
- ENVS*2250 [0.50] Geology of Natural Disasters
- MATH*1XXX [0.00] Any MATH course at the 1000 level
- 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 specialization may be courses taken in fulfillment of the first specialization where required courses are the same. (Specializations can include majors, minors, areas of concentrations and certificates.)

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:
1. earn 15.00 credits. These must include courses that fulfill the distribution requirements (see B.A. Distribution Requirements). 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 credits requirement.
2. 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 and the College of Business and Economics), School of Computer Science, or the Department of Mathematics and Statistics.
3. 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:
1. earn 20.00 credits. These must include courses that fulfill the distribution requirements (see B.A. Distribution Requirements), 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 credits requirement.
2. Honours B.A. students, except those completing a major in Food, Agricultural, and Resource Economics, must take a minimum of 12.00 credits in courses offered by the College of Arts or the departments of Economics, Geography, Political Science, Psychology, Sociology and Anthropology (in the College of Social and Applied Human Sciences and the College of Business and Economics), the School of Computer Science or the Department of Mathematics and Statistics.
3. 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.
4. 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.

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.

Semester One Requirements
It is recommended that students select 1000 level courses as follows:
- Required courses for a chosen or intended specialization (major, minor, area of concentration).
- Electives (this could include arts/humanities, social sciences, natural/mathematical sciences, or electives from another area).

For more information on course selection, students can access the New Student Registration Handbook at https://www.uoguelph.ca/registrar/undergraduate/registrationhandbook/index

Special Study Options
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 faculty advisor or the Director of the School of Languages and Literatures.

Study Abroad
The University of Guelph offers many other Study Abroad and Exchange opportunities for students to enrich their learning experience. Bachelor of Arts students are encouraged to participate in any of the diverse options available. Courses taken while on exchange or study abroad can be used as electives or core requirements. For further information on the programs available, please refer to Section V - International Study. Students are advised to meet with a B.A. Program Counsellor to discuss the feasibility of participating in an exchange or semester abroad.

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

General Program Areas of Concentration
- Anthropology
- English
- French Studies
- Geography
- History
- International Development
- Mathematics
- Music
- Philosophy
- Political Science
- Psychology
- Sociology
- Spanish and Hispanic Studies
- Statistics
- Theatre Studies

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

Honours Program Majors
- Anthropology
- Art History
- Classical Studies
- Criminal Justice and Public Policy
- Economics
- English
- Environmental Governance
- European Studies
- Food, Agricultural and Resource Economics
- French Studies
- Geography
- History
- Individual Studies
- International Development
- Mathematical Economics
- Mathematical Science
- Music
- Philosophy
- Political Science
- Psychology
- Sociology
- Spanish and Hispanic Studies
- Studio Art
- Theatre 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
- Arts, Culture and Heritage Management
- Business
- Business Economics
- Classical Studies
- Computing and Information Science
- Creative Writing
- Criminal Justice and Public Policy
- Economics
**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.

SOAN courses will be used towards the Anthropology specialization.

### Area of Concentration (General Program)

A minimum of 5.00 credits is required, including:

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<td>ANTH*2160</td>
<td>Social Anthropology</td>
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<td>ANTH*2230</td>
<td>Regional Ethnography</td>
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<td>ANTH*3690</td>
<td>Engaging Anthropological Theory</td>
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<td>ANTH*3770</td>
<td>Kinship, Family, and Power</td>
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<td>SOAN*2120</td>
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<tr>
<td>MUSC*2270</td>
<td>World Music</td>
<td>0.50</td>
</tr>
<tr>
<td>PHIL*2100</td>
<td>Critical Thinking</td>
<td>0.50</td>
</tr>
</tbody>
</table>

1.00 additional credits in ANTH  
0.50 additional credits in SOAN

Note: 1.00 credits of these additional credits must be completed at the 4000 level.

### Major (Honours Program)

A minimum of 9.00 credits is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH*1150</td>
<td>Introduction to Anthropology</td>
<td>0.50</td>
</tr>
<tr>
<td>ANTH*2160</td>
<td>Social Anthropology</td>
<td>0.50</td>
</tr>
<tr>
<td>ANTH*2230</td>
<td>Regional Ethnography</td>
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</tr>
<tr>
<td>ANTH*3690</td>
<td>Engaging Anthropological Theory</td>
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</tr>
<tr>
<td>ANTH*3770</td>
<td>Kinship, Family, and Power</td>
<td>0.50</td>
</tr>
<tr>
<td>ANTH*4700</td>
<td>Issues in Contemporary Anthropology</td>
<td>0.50</td>
</tr>
<tr>
<td>SOAN*2120</td>
<td>Introductory Methods</td>
<td>0.50</td>
</tr>
<tr>
<td>SOAN*3070</td>
<td>Qualitative and Observational Methods</td>
<td>0.50</td>
</tr>
<tr>
<td>Two of:</td>
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<td></td>
</tr>
<tr>
<td>LING*1000</td>
<td>Introduction to Linguistics</td>
<td>0.50</td>
</tr>
<tr>
<td>MUSC*2270</td>
<td>World Music</td>
<td>0.50</td>
</tr>
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</table>

1.50 credits from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARTH*1510</td>
<td>Art Historical Studies I</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*1520</td>
<td>Art Historical Studies II</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2220</td>
<td>The Visual Arts Today</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2480</td>
<td>Introduction to Art Theory and Criticism</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2540</td>
<td>Medieval Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2550</td>
<td>The Italian Renaissance</td>
<td>0.50</td>
</tr>
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</table>

0.50 credits from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARTH*2050</td>
<td>Modern Latin American Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2060</td>
<td>Aboriginal Arts in the Americas</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2070</td>
<td>Art of the USA</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2120</td>
<td>Introduction to Museology</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2150</td>
<td>Art and Archaeology of Greece</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2280</td>
<td>Modern Architecture</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2290</td>
<td>History of Photographic Media</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2490</td>
<td>History of Canadian Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2580</td>
<td>Late Modern Art; 1900-1950</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*2950</td>
<td>Baroque Art</td>
<td>0.50</td>
</tr>
</tbody>
</table>

2.00 credits from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH*3010</td>
<td>Contemporary Canadian Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3060</td>
<td>Public Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3150</td>
<td>Space: Roman Art and Urbanism</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3200</td>
<td>Colour: Practice &amp; Meanings in Western Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3210</td>
<td>Critical Issues in Art History</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3220</td>
<td>Nationalism &amp; Identity in Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3320</td>
<td>Lives: Aspects of Western Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3330</td>
<td>Display: Visual Culture in Western Europe</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3340</td>
<td>Studies in Renaissance and Baroque Art</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3520</td>
<td>Idea: Art Since 1950</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3600</td>
<td>Topics in the Long Eighteenth Century</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3620</td>
<td>Museum Studies</td>
<td>0.50</td>
</tr>
<tr>
<td>ARTH*3780</td>
<td>Gender and Art</td>
<td>0.50</td>
</tr>
</tbody>
</table>
2.00 credits from 4000-level seminar courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH*4310</td>
<td>Topics in Art &amp; Visual Culture I</td>
<td>1.00</td>
</tr>
<tr>
<td>ARTH*4320</td>
<td>Topics in Art &amp; Visual Culture II</td>
<td>1.00</td>
</tr>
<tr>
<td>ARTH*4330</td>
<td>Topics in Art &amp; Visual Culture III</td>
<td>1.00</td>
</tr>
<tr>
<td>ARTH*4340</td>
<td>Topics in Art &amp; Visual Culture IV</td>
<td>1.00</td>
</tr>
<tr>
<td>ARTH*4350</td>
<td>Topics in Art &amp; Visual Culture V</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Students may count either ARTH*4600 "Individual Study: Art History" or ARTH*4800 "Experiential Learning" towards their major. Neither of these courses meets the requirement of 2.00 credits from seminar courses.

### Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- ARTH*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II

4.00 additional credits in Art History including at least 2.00 credits at the 3000 or 4000 level.

### Arts, Culture and Heritage Management (ACHM)

This minor prepares students for careers in the management of the artistic and cultural sectors. By examining arts, culture and heritage institutions, business models and consumer trends, students develop and demonstrate an understanding of the relationship between culture and society, cultural economies and the arts both globally and in the Canadian context. Attention is given to visual culture, film and theatre, sound/music, heritage, management, law, marketing, communications and ethics. The experiential component allows students to gain practical experience in the field of their choice. The minor in Arts, Culture and Heritage Management guides students to an understanding of the pertinent questions at stake in today’s entrepreneurial and diverse cultural environments.

### Minor (Honours Program)

A minimum of 5.00 credits is required including:

- HUMN*1300 [0.50] Fundamentals of Arts Management I
- HUMN*2300 [0.50] Fundamentals of Arts Management II
- HROB*2010 [0.50] Foundations of Leadership
- MGMT*2150 [0.50] Introduction to Canadian Business Management

Note: BComm students interested in this minor must substitute MGMT*2150 with 0.50 additional credits from the Arts and Culture list below.

1.00 credit from Arts and Culture

- ANTH*2660 [0.50] Contemporary Native Peoples of Canada
- ANTH*3650 [0.50] Prehistory of Canadian Native Peoples
- ARTH*2060 [0.50] Aboriginal Arts in the Americas
- ARTH*2120 [0.50] Introduction to Muesology
- ARTH*2220 [0.50] The Visual Arts Today
- ARTH*2290 [0.50] History of Photographic Media
- ARTH*3010 [0.50] Contemporary Canadian Art
- ARTH*3060 [0.50] Public Art
- ARTH*3520 [0.50] Idea: Art Since 1950
- ARTH*3620 [0.50] Museum Studies
- ENGL*3380 [0.50] Studies in the History of Literary Production
- EURO*1100 [0.50] European Cinema
- FREN*3140 [0.50] Women in Literature, Art and Film
- FREN*3160 [0.50] Songs, Lyrics and Poetry in French
- HIST*3260 [0.50] Cinema and the Moving Image
- HIST*3450 [0.50] The Uses of History
- MUSC*2030 [0.50] Music in Canada
- MUSC*2150 [0.50] Music and Popular Culture
- MUSC*2270 [0.50] World Music
- SART*1150 [0.50] Contemporary Artistic Practice
- THST*2500 [0.50] Contemporary Cinema
- THST*3550 [0.50] Canadian Cinema
- THST*4240 [0.50] Theatrical Organization and Culture
- WMST*2000 [0.50] Women and Representation

1.00 credit from Organizational Management

- ACC*1220 [0.50] Introductory Financial Accounting
- ACCT*2230 [0.50] Management Accounting
- EDRD*3120 [0.50] Leadership Development in Small Organizations
- HROB*2090 [0.50] Individuals and Groups in Organizations
- HROB*3010 [0.50] Managing and Rewarding Performance
- HROB*3050 [0.50] Employment Law
- HROB*3070 [0.50] Attracting and Acquiring Talent
- HROB*3090 [0.50] Developing Talent
- HROB*3100 [0.50] Developing Management and Leadership Competencies
- HROB*4060 [0.50] Workforce Optimization
- HTM*1700 [0.50] Foodservice Management
- HTM*2070 [0.50] Event Management
- MCM*1000 [0.50] Introductory Marketing
- MCM*2100 [0.50] Personal Financial Management
- MCM*3000 [0.50] Advanced Marketing

0.50 additional credits from Ethics and Communication.

### Additional Credits

- 0.50 additional credits from Experiential Learning.
- 0.50 additional credits from Ethics and Communication.

### Degree Programs, Bachelor of Arts (B.A.)

#### College of Business and Economics, Department of Management

The study of business is complementary to virtually any career or professional endeavour. The minor in Business is intended to enhance the business literacy of non-business students. Through a combination of core and elective courses, students from different disciplines will develop foundational knowledge and understanding of the core functional areas of business, and be invited to explore and apply this in relation to their primary area of study.

**Note:** The minor in Business is not open to students enrolled in the Bachelor of Commerce program.

### Minor (Honours Program)

A minimum of 5.00 credits is required (all 3.00 required credits, plus 2.00 credits of restricted electives of which at least 1.00 credits must be at the 3000 level or above).

**Required courses (3.00 credits):**

- ACCT*1220 [0.50] Introductory Financial Accounting
- ECON*1100 [0.50] Introductory Microeconomics
- HROB*2090 [0.50] Individuals and Groups in Organizations
- MCM*1000 [0.50] Introductory Marketing
- MGMT*2150 [0.50] Introduction to Canadian Business Management
- MGMT*3020 [0.50] Corporate Social Responsibility

**Restricted Electives (2.00 credits of which at least 1.00 credits are at the 3000 level or above):**

- ACCT*2230 [0.50] Management Accounting
- ECON*1100 [0.50] Introductory Microeconomics
- ECON*2200 [0.50] Industrial Relations
- ECON*2720 [0.50] Business History
- EDRD*3140 [0.50] Organizational Communication
- EDRD*3160 [0.50] International Communication
- EDRD*4120 [0.50] Leadership Development in Small Organizations
- ENGG*3240 [0.50] Engineering Economics
- ENGG*4050 [0.50] Quality Control
- ENGG*4070 [0.50] Life Cycle Assessment for Sustainable Design
- ENGG*4510 [0.50] Assessment & Management of Risk
- FARE*3030 [0.50] The Firm and Markets
- FARE*3310 [0.50] Operations Management
- FARE*4360 [0.50] Marketing Research
- FARE*4370 [0.50] Food & Agri Marketing Management
- HROB*2290 [0.50] Human Resources Management
- HTM*3120 [0.50] Service Operations Analysis
- MCM*2100 [0.50] Information Management
- MCM*2600 [0.50] Fundamentals of Consumer Behaviour
- MCM*3000 [0.50] Advanced Marketing
- MCM*3040 [0.50] Business and Consumer Law
- MGMT*3320 [0.50] Financial Management
- MGMT*4050 [0.50] Business Consulting
- MGMT*4060 [0.50] Business Consulting
- PHIL*2100 [0.50] Critical Thinking
- PHIL*2120 [0.50] Ethics
- PHIL*2600 [0.50] Business and Professional Ethics
- POLS*2250 [0.50] Public Administration and Governance

**Note:** Some courses may also have prerequisites, identified in course descriptions in the academic calendar.
A minimum of 5.00 credits is required, including:

- Business Economics (BECN)
  
  Department of Economics and Finance, College of Business and Economics
  
  Interdisciplinary study in Business Economics is offered as a minor in the honours program. Students in this program will be counselled by the Department of Economics and Finance. It is possible for students to pursue a more intensive program in the area of business and economics; see the heading Economics (ECON) or Mathematical Economics (MAEC) in the B.A. degree and the heading Management Economics (MFE) in the B.Comm. degree.

**Minor (Honours Program)**

A minimum of 5.00 credits is required, including:

- ACCT*1220 [0.50] Introductory Financial Accounting
- ACCT*2230 [0.50] Management Accounting
- 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*2560 [0.50] Theory of Finance

One of:

- IPS*1500 [1.00] Integrated Mathematics and Physics I
- MATH*1030 [0.50] Business Mathematics
- MATH*1080 [0.50] Elements of Calculus I
- MATH*1200 [0.50] Calculus I

One of:

- ECON*2740 [0.50] Economic Statistics
- PSYC*1010 [0.50] Making Sense of Data in Psychological Research
- SOAN*2120 [0.50] Introductory Methods
- STAT*2040 [0.50] Statistics I
- STAT*2060 [0.50] Statistics for Business Decisions
- STAT*2080 [0.50] Introductory Applied Statistics I
- STAT*2120 [0.50] Probability and Statistics for Engineers

One of:

- ECON*3660 [0.50] Economics of Equity Markets
- ECON*4400 [0.50] Economics of Organizations and Corporate Governance
- ENGG*3240 [0.50] Engineering Economics
- FARE*3310 [0.50] Operations Management
- HRBB*2090 [0.50] Individuals and Groups in Organizations
- MCS*1000 [0.50] Introductory Marketing
- MCS*3040 [0.50] Business and Consumer Law
- MGMT*3320 [0.50] Financial Management

* FARE*1040 and FARE*1400 may replace this course if it is required for the major.

**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. The advanced study of both Greek and Latin is recommended to students who want a more precise understanding of the ancient cultures. Consult the Head of Classical Studies for detailed information.

**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, HIST*2850, PHIL*1240

**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 Writers
  - HIST*2200 [0.50] The Medieval World
  - HUMN*1030 [0.50] What Makes a Literary Classic?

**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

**Computing and Information Science (CIS)**

School of Computer Science, College of Engineering and Physical Sciences

A knowledge of Computing is a complement to most areas of study. The Minor in Computing and Information Science is directed towards students who wish to supplement their studies in another area with some experience in Computing. Students interested in pursuing a Major in Computing can do so through the Bachelor of Computing Degree Program.

**Minor (Honours Program)**

A minimum of 5.00 credits is required, including:

- CIS*1500 [0.50] Introduction to Programming
- CIS*1910 [0.50] Discrete Structures in Computing I
- CIS*2170 [0.75] User Interface Design
- 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
- 0.50 additional credits from CIS courses at the 2000 level or above
- 0.50 additional credits from CIS courses at the 3000 level or above

**Creative Writing (CW)**

The Creative Writing minor reflects the significant role that creative writing plays in our cultural life, from travel writing and blogs, gaming and journalism, to poems, novels and films. The minor honours students’ skills in expressive writing, and teaches students to situate their work within a broader context of local, global and historical creative texts. Workshops and a capstone seminar provide students with the opportunity to revise their work and develop a creative portfolio.

**Minor (Honours Program)**

A minimum of 5.00 credits is required including:

- ENGL*1080 [0.50] Literatures in English I: Reading the Past
- ENGL*2920 [0.50] Elements of Creative Writing
- ENGL*4720 [1.00] Creative Writing: Prose/Poetry

1.00 credit from the following:

- ENGL*3050 [0.50] Intermediate Fiction Writing Workshop
- ENGL*3060 [0.50] Intermediate Poetry Writing Workshop
- ENGL*3070 [0.50] Intermediate Screenwriting Workshop
- ENGL*3090 [0.50] Special Topics in Creative Writing Workshop
- THST*2120 [0.50] Writing for Performance

2.00 credits from the following:

- CLAS*2000 [0.50] Classical Mythology
- CLAS*3030 [0.50] Epic Heroes and Poems
- ENGL*2040 [0.50] Latina/o Literature and Cultural Production: Intro
- ENGL*2080 [0.50] Literatures in English II: Finding a Critical Voice
- ENGL*2090 [0.50] Studies in Shakespeare
- ENGL*2120 [0.50] Seminar: Critical Practices
- ENGL*2130 [0.50] Seminar: Literature and Social Change
- ENGL*2190 [0.50] Representation and Sexuality
- ENGL*2200 [0.50] Postcolonial Literatures
- ENGL*2260 [0.50] Law and Literature
- ENGL*2270 [0.50] Fairy, Trickster, and Mythical Hero
- ENGL*2280 [0.50] Sporting Bodies
- ENGL*2290 [0.50] Outlaws
- ENGL*2310 [0.50] Vampires, Ghosts, and Mummies: Literature and the Supernatural
- ENGL*2330 [0.50] Print Culture and Cinema
- ENGL*2550 [0.50] North American Native Literatures
- ENGL*2640 [0.50] Culture, Location, Identity: Minoritized Literatures in Canada and Beyond
- ENGL*2740 [0.50] Children’s Literature
- ENGL*2880 [0.50] Women in Literature
- ENGL*3080 [0.50] History of the English Language
- ENGL*3240 [0.50] Studies in Early Modern Literature and Culture
- ENGL*3380 [0.50] Studies in the History of Literary Production
- ENGL*3420 [0.50] 20th- & 21st-Century Drama
- ENGL*3460 [0.50] Literature in London
- ENGL*3470 [0.50] Twentieth-Century British Literature I
- ENGL*3480 [0.50] Twentieth-Century British Literature II
- ENGL*3540 [0.50] Writing the United States
- ENGL*3550 [0.50] Modern United States Literatures
ENGL*3560 [0.50] Medieval Literature
ENGL*3680 [0.50] 20th- & 21st-Century Canadian Literature and Criticism
ENGL*3750 [0.50] Studies in Postcolonial Literatures
ENGL*3760 [0.50] The Atlantic World
ENGL*3870 [0.50] Topics in Literary and Cultural Studies
ENGL*3880 [0.50] Topics in Literary and Cultural Studies
FREN*2020 [0.50] France: Literature and Society
FREN*2060 [0.50] Quebec: Literature and Society
FREN*3030 [0.50] Good and Evil
FREN*3090 [0.50] Classics of French Literature
FREN*3110 [0.50] Storytelling in the Francophone World
FREN*3130 [0.50] Representing the Self
FREN*3140 [0.50] Women in Literature, Art and Film
FREN*3160 [0.50] Songs, Lyrics and Poetry in French
FREN*3170 [0.50] Fictions of Childhood
GERM*3020 [0.50] Myth and Fairy Tales in Germany
GERM*3470 [0.50] Holocaust & WWII in German Lit. & Film
HUMN*1030 [0.50] What Makes a Literary Classic?
HUMN*3000 [0.50] Narratives of Migration
HUMN*3020 [0.50] Myth and Fairy Tales in Germany
HUMN*3490 [0.50] Renaissance Lovers and Lovers
ITAL*3400 [0.50] Renaissance Lovers and Lovers
SPAN*2990 [0.50] Hispanic Literary Studies
SPAN*3220 [0.50] Literature and Arts I: Spain Pre-1936
SPAN*3230 [0.50] Literature and Arts II: Latin America Pre-1950

Students with a compelling reason to work in a genre other than prose or poetry at the 4000 level may substitute ENGL*4810 and ENGL*4910 for ENGL*4720 with the faculty advisor's permission.

Note: Substituted courses may have their own prerequisites; check the course descriptions in the academic calendar.

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] Issues in Canadian Politics
POLS*2250 or POLS*2300
POLS*2350 [0.50] Law from a Political Science Perspective
SOAN*2120 [0.50] Introductory Methods
SOC*1500 [0.50] Crime and Criminal Justice
SOC*2700 [0.50] Criminological Theory

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.

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] Issues in Canadian Politics
POLS*2250 or POLS*2300
POLS*2350 [0.50] Law from a Political Science Perspective
SOAN*2120 [0.50] Introductory Methods
SOC*1500 [0.50] Crime and Criminal Justice
SOC*2700 [0.50] Criminological Theory
0.50 credits from the following:

POLS*3650 [0.50] Research Methods II: Quantitative Methods
SOAN*3120 [0.50] Quantitative Methods

1.50 credits from the following:

SOC*2070 [0.50] Social Deviance
SOC*2760 [0.50] Homicide
SOC*3490 [0.50] Law and Society
SOC*3710 [0.50] Youth Justice
SOC*3730 [0.50] Courts and Society
SOC*3740 [0.50] Corrections and Penology
SOC*3750 [0.50] Police in Society

1.50 credits from the following:

POLS*3130 [0.50] Law, Politics and Judicial Process
POLS*3140 [0.50] Politics and the Charter of Rights
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

1.50 credits from the following:

POLS*4050 [1.00] Advanced Topics in Law and Politics
POLS*4060 [0.50] Advanced Topics Lecture in Law and Politics
POLS*4070 [1.00] Courts and Parliament
POLS*4100 [1.00] Women, Justice and Public Policy
POLS*4160 [1.00] Multi-Level Governance in Canada
POLS*4250 [1.00] Topics in Public Policy Management
POLS*4260 [1.00] Topics in Public Policy
POLS*4270 [0.50] Advanced Lecture in Public Management
POLS*4280 [0.50] Advanced Lecture in Public Policy
POLS*4310 [0.50] Advanced Lecture in Women, Justice and Public Policy
POLS*4740 [1.00] Advanced Topics in Rights and Liberties
POLS*4780 [0.50] Advanced Lecture in Rights and Liberties
POLS*4970 [0.50] Honours Political Science Research I
POLS*4980 [0.50] Honours Political Science Research II
SOC*4010 [0.50] Violence and Society
SOC*4030 [0.50] Advanced Topics in Criminology
SOC*4290 [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 5.00 credits is required, including:

PHIL*1010 [0.50] Introductory Philosophy: Social and Political Issues
POLS*1400 [0.50] Issues in Canadian Politics
POLS*2250 or POLS*2300
POLS*2350 [0.50] Law from a Political Science Perspective
SOAN*2120 [0.50] Introductory Methods
SOC*1500 [0.50] Crime and Criminal Justice
SOC*2700 [0.50] Criminological Theory

1.50 credits from the following list, including 0.50 SOC and 0.50 POLS:

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
SOC*2070 [0.50] Social Deviance
SOC*2760 [0.50] Homicide
SOC*3490 [0.50] Law and Society
SOC*3710 [0.50] Youth Justice
SOC*3730 [0.50] Courts and Society
SOC*3740 [0.50] Corrections and Penology
SOC*3750 [0.50] Police in Society

Economics (ECON)

Department of Economics and Finance, College of Business and Economics

The Department of Economics and Finance offers courses in economic theory, applied economics and quantitative methods. Students may take courses leading to a B.A. in the honours. 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

One of:
### Major (Honours Program)
A minimum of 9.50 credits in Economics is required, including:

**The Economics core requirements**
- ECON*2770 [0.50] Introductory Mathematical Economics
- ECON*3710 [0.50] Advanced Microeconomics
- ECON*3740 [0.50] Introduction to Econometrics
- ECON*3810 [0.50] Advanced Macroeconomics
- ECON*4710 [0.50] Advanced Topics in Microeconomics
- ECON*4810 [0.50] Advanced Topics in Macroeconomics

**Co-op Work Term (Fall)**
- ECON*2720 [0.50] Business History
- ECON*3730 [0.50] The Origins of International Inequality
- ECON*4720 [0.50] Topics in Economic History

3.00 additional credits in Economics at the 3000 or 4000 level, at least 1.50 of which must be at the 4000 level.

**Notes:**
- 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. 2.00 other credits in Economics at the 3000 or 4000 level

**Notes:**
- 1. ECON*3740 is recommended.
- 2. Students wishing to pursue a more structured Economics minor should take ECON*3710 as well as ECON*3740.
- 3. 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 and Finance, College of Business and Economics**

The Economics Co-op program provides an integrated academic/work experience for students with co-operating employer organizations. Students in the program complete 4-5 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
  - MATH*1000 [0.50] Introductory Calculus
  - MATH*1030 [0.50] Business Mathematics
  - MATH*1080 [0.50] Elements of Calculus I
  - MATH*1200 [0.50] Calculus I
  - 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 electives

#### Semester 4 (Winter)
- ECON*3740 [0.50] Introduction to Econometrics
  - One economic history course*
  - 1.50 electives

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

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

#### Semester 5 (Winter)
- ECON*3810 [0.50] Advanced Macroeconomics
  - 1.00 credits in Economics at the 3000 level
  - 1.00 electives

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

#### Semester 6 (Fall)
- ECON*3710 [0.50] Advanced Microeconomics
  - 0.50 credits in Economics at the 4000 level (ECON*4640 is recommended)
  - 1.50 electives

#### Winter Semester
- COOP*4000 [0.00] Co-op Work Term IV

#### Summer Semester
- COOP*5000 [0.00] Co-op Work Term V

#### Semester 7 (Fall)
- ECON*4710 [0.50] Advanced Topics in Microeconomics
  - 0.50 credits in Economics at the 4000 level
  - 1.00 electives
  - 0.50 restricted electives

#### Semester 8 (Winter)
- ECON*4810 [0.50] Advanced Topics in Macroeconomics
  - 0.50 credits in Economics at the 4000 level
  - 1.50 electives
  *the economic history course may be taken in any semester

### English (ENGL)
**School of English and Theatre Studies, College of Arts**

The School of English and Theatre Studies offers courses in the B.A. 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 at the 1000, 2000, and 3000 levels, suitable to other majors within the College of Arts and beyond. Certain courses in Theatre Studies (THST) 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.

First-year students registered in or considering one of the programs in English should register for ENGL*1080 in the first semester and ENGL*2080 in the second semester.

### Area of Concentration (General Program)
A minimum of 5.00 English credits is required in the English core and the English electives. English elective courses must be chosen to fulfill the Distribution Requirements for the Area of Concentration.

#### English core - 2.00 credits as follows:
1. ENGL*1080, ENGL*2080, core seminar (variable content), ENGL*2120
2. one additional core seminar (variable content): ENGL*2130, ENGL*3940, ENGL*3960

English electives - 3.00 credits to include:

1. 1.00 credits from the following list of courses:
   - ENGL*2090 [0.50] Studies in Shakespeare
   - ENGL*3080 [0.50] History of the English Language
   - ENGL*3220 [0.50] Representing Britain: 18th- & 19th-Century Literature
   - ENGL*3240 [0.50] Studies in Early Modern Literature and Culture
   - ENGL*3280 [0.50] Old English Literature
   - ENGL*3300 [0.50] Restoration to Romanticism: Forging the Nation
   - ENGL*3320 [0.50] Romanticism to Victorianism: Culture and Conformity
   - ENGL*3340 [0.50] British Imperial Culture
   - ENGL*3380 [0.50] Studies in the History of Literary Production
   - ENGL*3540 [0.50] Writing the United States
   - ENGL*3560 [0.50] Medieval Literature
   - ENGL*3570 [0.50] Chaucer in Context
   - ENGL*3630 [0.50] Writing Canada: Forging the Nation

2. 2.00 credits from any other ENGL lecture or seminar course. At least 1.00 credits in ENGL must be at the 3000 level.
Environmental Governance (EGOV)

Department of Geography, Environment and Geomatics

Environmental governance refers to the processes through which societies make decisions that affect the environment. Governments have long been dominant players in this context. However, in Canada and around the world, the ability of governments alone to address environmental problems is being called into question. As a result, contemporary environmental governance increasingly involves citizens, non-government organizations, and businesses.

The Major in Environmental Governance introduces students to the challenges of environmental governance. Through completing courses from the disciplines of geography, political science, agricultural economics, and economics, students will receive: a solid foundation in the processes and mechanisms of environmental governance in Canada and elsewhere; an understanding of geographical, political, and economic factors that shape governance in Canada and around the world; and exposure to innovative approaches to environmental governance that address persistent and emerging societal concerns. Students completing the major will have the skills and experiences needed to participate effectively in environmental governance in a variety of settings. Hence, they will find careers in the public sector, in environmental non-government organizations, and, increasingly, in the private sector.

Completion of required courses, and careful selection from among optional courses, will facilitate students completing a minor in Geography, Political Science, or Economics. Minors in other programs also may complement the Major in Environmental Governance.

Major (Honours Program)

A minimum of 11.50 credits, consisting of 11.00 credits from the courses specified below, plus 0.50 credits from other 4000 level courses in Geography; Political Science; Food, Agricultural and Resource Economics (Agricultural Economics); or Economics:

- ECON*1050 [0.50] Introductory Microeconomics
- EDRD*2650 [0.50] Introduction to Planning and Environmental Law

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*4890 (Contemporary Literary Theory) or equivalent
- take 2.00 credits from 4000 level seminars (2 seminars at 1.00 credits each)

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.

European Culture and Civilization (ECC)

The minor in European Culture and Civilization is designed for students interested in the interdisciplinary study of European culture and history. If offers a combination of languages, history of European culture, literature, the arts, philosophy, history and political science.

Note: the minor is not open to European Studies majors.

Minor (Honours Program)

Note: some of the courses below (the language courses, some 3000 and 4000 level courses in lists A, B, C, D) have prerequisites not included in the requirements for the Environmental Governance major. Students should consult the most recent Undergraduate Calendar (Chapter XII – Course Descriptions) for specific prerequisites.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HIST*1010</td>
<td>0.50</td>
<td>Early Modern Europe</td>
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<tr>
<td>HIST*1110</td>
<td>0.50</td>
<td>The Mediterranean World</td>
</tr>
<tr>
<td>HIST*2510</td>
<td>0.50</td>
<td>Modern Europe Since 1789</td>
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<td>HIST*2520</td>
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<td>Modern Europe Since 1750</td>
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<td>HIST*3350</td>
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<td>Modern Germany</td>
</tr>
<tr>
<td>HIST*3540</td>
<td>0.50</td>
<td>World War II</td>
</tr>
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<td>HIST*3570</td>
<td>0.50</td>
<td>Women in Modern Europe</td>
</tr>
<tr>
<td>HIST*3750</td>
<td>0.50</td>
<td>The Reformation</td>
</tr>
<tr>
<td>HIST*3820</td>
<td>0.50</td>
<td>Early Modern France</td>
</tr>
<tr>
<td>HIST*4090</td>
<td>1.00</td>
<td>Modern European History</td>
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<tr>
<td>HIST*4470</td>
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<td>Special History Project Seminar I</td>
</tr>
<tr>
<td>HIST*4580</td>
<td>1.00</td>
<td>The French Revolution</td>
</tr>
<tr>
<td>PHIL*2140</td>
<td>0.50</td>
<td>Ancient Greek Philosophy</td>
</tr>
<tr>
<td>PHIL*2160</td>
<td>0.50</td>
<td>Early Modern Philosophy: Reason vs. Experience</td>
</tr>
<tr>
<td>PHIL*3060</td>
<td>0.50</td>
<td>Medieval Philosophy</td>
</tr>
<tr>
<td>PHIL*3100</td>
<td>0.50</td>
<td>Kant and His Legacy</td>
</tr>
<tr>
<td>PHIL*3200</td>
<td>0.50</td>
<td>Continental Philosophy</td>
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<tr>
<td>PHIL*3360</td>
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<td>Nineteenth Century Philosophy</td>
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<tr>
<td>POLS*2000</td>
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<td>Political Theory</td>
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<tr>
<td>POLS*2100</td>
<td>0.50</td>
<td>Comparative Politics</td>
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<tr>
<td>POLS*2200</td>
<td>0.50</td>
<td>International Relations</td>
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<tr>
<td>POLS*3450</td>
<td>0.50</td>
<td>European Governments and Politics</td>
</tr>
<tr>
<td>CLAS*1000</td>
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<td>Introduction to Classical Culture</td>
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<tr>
<td>CLAS*2000</td>
<td>0.50</td>
<td>Classical Mythology</td>
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<tr>
<td>CLAS*2350</td>
<td>0.50</td>
<td>The Classical Tradition</td>
</tr>
<tr>
<td>EURO*3000</td>
<td>0.50</td>
<td>Revolution and the Fantastic in European Culture</td>
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<tr>
<td>EURO*4050</td>
<td>0.50</td>
<td>Contemporary Europe. New Landscapes in the Post-Cold War Era</td>
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<tr>
<td>FREN*3030</td>
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<td>Good and Evil</td>
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<tr>
<td>FREN*3110</td>
<td>0.50</td>
<td>Storytelling in the Francophone World</td>
</tr>
<tr>
<td>FREN*3140</td>
<td>0.50</td>
<td>Women in Literature, Art and Film</td>
</tr>
<tr>
<td>FREN*3160</td>
<td>0.50</td>
<td>Songs, Lyrics and Poetry in French</td>
</tr>
<tr>
<td>FREN*3170</td>
<td>0.50</td>
<td>Fictions of Childhood</td>
</tr>
<tr>
<td>HIST*2850</td>
<td>0.50</td>
<td>Ancient Greece and Rome</td>
</tr>
<tr>
<td>HUMN*1030</td>
<td>0.50</td>
<td>What Makes a Literary Classic?</td>
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<td>HUMN*3000</td>
<td>0.50</td>
<td>Narratives of Migration</td>
</tr>
<tr>
<td>HUMN*3020</td>
<td>0.50</td>
<td>Myth and Fairy Tales in Germany</td>
</tr>
<tr>
<td>HUMN*3400</td>
<td>0.50</td>
<td>Renaissance Lovers and Fools</td>
</tr>
<tr>
<td>HUMN*3470</td>
<td>0.50</td>
<td>Holocaust &amp; WWII in German Lit. &amp; Film</td>
</tr>
</tbody>
</table>

Note: Other Music history courses may be counted in this section provided the course content is European-centered. Please see the ESP coordinator for further information.

### Group D

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARTH*1510</td>
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<td>Art Historical Studies I</td>
</tr>
<tr>
<td>ARTH*1520</td>
<td>0.50</td>
<td>Art Historical Studies II</td>
</tr>
<tr>
<td>ARTH*2550</td>
<td>0.50</td>
<td>The Italian Renaissance</td>
</tr>
<tr>
<td>ARTH*2580</td>
<td>0.50</td>
<td>Late Modern Art: 1900-1950</td>
</tr>
<tr>
<td>ARTH*2600</td>
<td>0.50</td>
<td>Early Modern Art</td>
</tr>
<tr>
<td>ARTH*3320</td>
<td>0.50</td>
<td>Lives: Aspects of Western Art</td>
</tr>
<tr>
<td>ARTH*3330</td>
<td>0.50</td>
<td>Display: Visual Culture in Western Europe</td>
</tr>
<tr>
<td>ARTH*3340</td>
<td>0.50</td>
<td>Studies in Renaissance and Baroque Art</td>
</tr>
<tr>
<td>MUSC*1060</td>
<td>0.50</td>
<td>Amadeus to Zeppelin: Music and Culture I</td>
</tr>
<tr>
<td>MUSC*2010</td>
<td>0.50</td>
<td>The Musical Avant-Garde</td>
</tr>
</tbody>
</table>

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.
Areas of Emphasis

European Business

Required courses:
- ACCT*1220 Introductory Financial Accounting [0.50]
- ACCT*2230 Management Accounting [0.50]
- ECON*1050 Introductory Microeconomics [0.50]
- ECON*1100 Introductory Macroeconomics [0.50]
- MGMT*3320 Financial Management [0.50]
- MGMT*4000 Strategic Management [0.50]

1.50 credits chosen from:
- ECON*2200 Industrial Relations [0.50]
- ECON*2310 Intermediate Microeconomics [0.50]
- ECON*2410 Intermediate Macroeconomics [0.50]
- ECON*2560 Theory of Finance [0.50]
- ECON*3660 Economics of Equity Markets [0.50]
- ECON*3730 The Origins of International Inequality [0.50]
- FARE*3310 Operations Management [0.50]
- FARE*3470 Food & Agri Marketing Management [0.50]
- HRPB*2290 Human Resources Management [0.50]
- HTM*1070 Responsible Tourism Policy and Planning [0.50]
- HTM*3030 Beverage Management [0.50]
- HTM*3160 Destination Management and Marketing [0.50]
- HTM*4050 Wine and Oenology [0.50]
- HTM*4170 International Tourism [0.50]
- MCS*1000 Introductory Marketing [0.50]
- MCS*2100 Personal Financial Management [0.50]
- MCS*2600 Fundamentals of Consumer Behaviour [0.50]
- MCS*3000 Advanced Marketing [0.50]
- MCS*3040 Business and Consumer Law [0.50]
- STAT*2060 Statistics for Business Decisions [0.50]

European Culture and Civilization

Students must take 4.50 credits including at least 0.50 credits from each of the following four groups. The remaining 2.50 credits may be chosen from any of the courses in the four groups.

Group A
- HIST*1010 Early Modern Europe [0.50]
- HIST*2200 The Medieval World [0.50]
- HIST*2510 Modern Europe Since 1789 [0.50]
- HIST*2820 Modern France Since 1750 [0.50]
- HIST*3230 Spain and Portugal, 1085 to 1668 [0.50]
- HIST*3350 Modern Germany [0.50]
- HIST*3540 World War II [0.50]
- HIST*3570 Women in Modern Europe [0.50]
- HIST*3750 The Reformation [0.50]
- HIST*3820 Early Modern France [0.50]
- HIST*4000 Modern European History [1.00]
- HIST*4470 Special History Project Seminar I [0.50]
- HIST*4580 The French Revolution [1.00]

Group B
- PHIL*2140 Ancient Greek Philosophy [0.50]
- PHIL*2160 Early Modern Philosophy: Reason vs. Experience [0.50]
- PHIL*3060 Medieval Philosophy [0.50]
- PHIL*3100 Kant and His Legacy [0.50]
- PHIL*3200 Continental Philosophy [0.50]
- PHIL*3360 Nineteenth Century Philosophy [0.50]
- POLS*1400 Issues in Canadian Politics [0.50]
- POLS*1500 World Politics [0.50]
- POLS*2000 Political Theory [0.50]
- POLS*2100 Comparative Politics [0.50]
- POLS*3180 Research Methods I: Political Inquiry and Methods [0.50]
- POLS*3230 Modern Political Thought [0.50]
- POLS*3250 Public Policy: Challenges and Prospects [0.50]
- POLS*3370 Environmental Politics and Governance [0.50]
- POLS*3670 Comparative Public Policy and Administration [0.50]
- POLS*3790 International Political Economy [0.50]
- POLS*4340 Nationalism, State-building and Identity [1.00]

Group C
- CLAS*1000 Introduction to Classical Culture [0.50]
- CLAS*2000 Introductory Spanish I [0.50]
- CLAS*2010 Introductory Spanish II [0.50]
- CLAS*2040 Culture of Spain [0.50]
- CLAS*2990 Hispanic Literary Studies [0.50]
- CLAS*3220 Literature and Arts I: Spain Pre-1936 [0.50]
- CLAS*3500 Advanced Spanish I [0.50]

Note: Other Spanish and Hispanic literature courses may be counted in this section provided the course content is European-centered. Please see the ESP coordinator for further information.

Group D
- ARTH*1510 Art Historical Studies I [0.50]
- ARTH*1520 Art Historical Studies II [0.50]
- ARTH*2550 The Italian Renaissance [0.50]
- ARTH*2580 Late Modern Art: 1900-1950 [0.50]
- ARTH*2600 Early Modern Art [0.50]
- ARTH*3320 Lives: Aspects of Western Art [0.50]
- ARTH*3330 Display: Visual Culture in Western Europe [0.50]
- ARTH*3340 Studies in Renaissance and Baroque Art [0.50]
- MUSC*1060 Amadeus to Zeppelin: Music and Culture I [0.50]
- MUSC*2010 The Musical Avant-Garde [0.50]

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.

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:

EURO*3700 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 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 faculty 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 and Intergenerational Relationships
- NUTR*1010 [0.50] Introduction to Nutrition

Further 2.50 credits offered by the Department of Family Relations and Applied Nutrition (FRHD or NUTR*2050 or NUTR*3150 or NUTR*4070), of which at least 1.00 must be at the 3000 level or above.

Note: where students are required to complete PSYC*2450 for their program of study, FRHD*2270 will not be required in the FCS minor, PSYC*2450 will be substituted for FRHD*2270.

Food, Agricultural and Resource Economics (FARE)

Department of Food, Agricultural and Resource Economics, Ontario Agricultural College

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.

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:

EURO*3700 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 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 faculty 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 and Intergenerational Relationships
- NUTR*1010 [0.50] Introduction to Nutrition

Further 2.50 credits offered by the Department of Family Relations and Applied Nutrition (FRHD or NUTR*2050 or NUTR*3150 or NUTR*4070), of which at least 1.00 must be at the 3000 level or above.

Note: where students are required to complete PSYC*2450 for their program of study, FRHD*2270 will not be required in the FCS minor, PSYC*2450 will be substituted for FRHD*2270.

Food, Agricultural and Resource Economics (FARE)

Department of Food, Agricultural and Resource Economics, Ontario Agricultural College
Food and Agriculture connect people with the world’s natural resource base and are at the heart of global issues. In this major, students will acquire the analytical and management skills needed to develop the capacity to effectively deal with emerging issues and challenges, such as food, security and sustainability. Building on the understanding of economic theory and applied methods in both the Canadian and world context, a variety of job opportunities arise in industry, government agencies and non-governmental organizations.

Beyond the core offering, the major provides the flexibility for students to pursue thematic areas of study, as well as an opportunity to take additional liberal arts courses. In addition, this major provides excellent background for those students planning to undertake graduate work in food, agricultural or resource economics and other fields of applied economics.

Major (Honours Program)
A minimum of 11.00 credits, consisting of the 9.50 credits specified below plus 1.50 credits of restricted electives, is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT*1220</td>
<td>Introductory Financial Accounting</td>
<td>0.50</td>
</tr>
<tr>
<td>AGR*1110</td>
<td>Introduction to the Agri-Food Systems</td>
<td>1.00</td>
</tr>
<tr>
<td>FARE*1300</td>
<td>Poverty, Food &amp; Hunger</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*1400</td>
<td>Economics of the Agri-Food System</td>
<td>1.00</td>
</tr>
<tr>
<td>FARE*2410</td>
<td>Agrifood Markets and Policy</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*2700</td>
<td>Survey of Natural Resource Economics</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*3030</td>
<td>The Firm and Markets</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4000</td>
<td>Agricultural and Food Policy</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*1050</td>
<td>Introductory Microeconomics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*1100</td>
<td>Introductory Macroeconomics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*2310</td>
<td>Intermediate Microeconomics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*2410</td>
<td>Intermediate Macroeconomics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*2740</td>
<td>Economic Statistics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*2770</td>
<td>Introductory Mathematical Economics</td>
<td>0.50</td>
</tr>
<tr>
<td>ECON*3740</td>
<td>Introduction to Econometrics</td>
<td>0.50</td>
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One of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FARE*3170</td>
<td>Cost-Benefit Analysis</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4360</td>
<td>Marketing Research</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4500</td>
<td>Decision Science</td>
<td>0.50</td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH*1030</td>
<td>Business Mathematics</td>
<td>0.50</td>
</tr>
<tr>
<td>MATH*1080</td>
<td>Elements of Calculus I</td>
<td>0.50</td>
</tr>
<tr>
<td>MATH*1200</td>
<td>Calculus I</td>
<td>0.50</td>
</tr>
</tbody>
</table>

1.50 additional credits, at least of which 0.50 credits must be at the 4000 level, chosen from the following list of thematic streams with the Food, Agricultural and Resource Economics specialization:

Food and Agribusiness Management:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FARE*4220</td>
<td>Advanced Agribusiness Management</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4240</td>
<td>Futures and Options Markets</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4370</td>
<td>Food &amp; Agri Marketing Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*3320</td>
<td>Financial Management</td>
<td>0.50</td>
</tr>
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</table>

International Agricultural Development Economics:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*2650</td>
<td>Introductory Development Economics</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*2520</td>
<td>Food and International Development</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4210</td>
<td>World Agriculture, Food Security and Economic Development</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Resource Economics:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*4930</td>
<td>Environmental Economics</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4290</td>
<td>Land Economics</td>
<td>0.50</td>
</tr>
<tr>
<td>FARE*4310</td>
<td>Resource Economics</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Notes: 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.

French Studies (FREN)

School of Languages and Literatures, College of Arts
All language courses carry 0.50 credits. Please note that students with Ontario Grade 12 credit or its equivalent in French are not normally admitted into FREN*1200, FREN*1100 or FREN*1150. Francophone students usually start the program with second-year courses conditional upon approval by the Faculty Advisor. Students who are exempt from FREN*1200 and/or FREN*1300 will need to substitute higher level French course(s) in order to complete the required number of credits for their program. Under certain circumstances, 0.50 credits from other courses offered in the School of Languages and Literatures which contain material related to French Studies may be counted. Please see the faculty advisor for French Studies for more information. Students majoring in French are advised to take elective courses in another Romance language and in Latin.

It is also recommended that students include 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.

Area of Concentration (General Program)
A minimum of 5.00 French credits taught in French is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN*1200</td>
<td>French Language I</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*1300</td>
<td>French Language II</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2020</td>
<td>France: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2060</td>
<td>Quebec: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2520</td>
<td>French Composition I</td>
<td>0.50</td>
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</tbody>
</table>

2.50 additional credits in French

Major (Honours Program)
A minimum of 8.00 French credits taught in French is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN*1200</td>
<td>French Language I</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*1300</td>
<td>French Language II</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2020</td>
<td>France: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2060</td>
<td>Quebec: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2520</td>
<td>French Composition I</td>
<td>0.50</td>
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</tbody>
</table>

at least 1.50 credits at the 4000 level

4.00 additional credits in French

Minor (Honours Program)
A minimum of 5.00 French credits taught in French is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN*1200</td>
<td>French Language I</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*1300</td>
<td>French Language II</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2020</td>
<td>France: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2060</td>
<td>Quebec: Literature and Society</td>
<td>0.50</td>
</tr>
<tr>
<td>FREN*2520</td>
<td>French Composition I</td>
<td>0.50</td>
</tr>
</tbody>
</table>

2.50 additional credits in French

Notes:
1. Students are strongly urged to take at least 0.50 language credits each semester and they must plan to take a 4th year course in their 3rd year.
2. 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.
3. FREN*1090, FREN*1100, FREN*1150, are not counted toward a specialization in French.
4. Native speakers of French (or non-francophone equivalent) will not normally be admitted into FREN*1200 and FREN*1300. It is recommended they start their program with FREN*2020, FREN*2060, FREN*2500, or FREN*2520 with the approval of the Faculty Advisor.

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. A letter of permission is required (see Section VIII–Undergraduate Degree Regulations & Procedures). Students may also take advantage of federal-provincial programs such as the Explore program or the Ontario Rhone-Alps summer language course.

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.

Geography (GEOG)

Department of Geography, Environment and Geomatics, College of Social and Applied Human Sciences
The Department of Geography, Environment and Geomatics 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 faculty 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.A.(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 faculty advisor regarding course selection.

The following courses may be counted as Geography credits: ENVS*2030, ENVS*2060, ENVS*2420, 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

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] Commodity Chains and Cultures of Consumption
- GEOG*2260 [0.50] Applied Human Geography

One of:

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

2.00 credits at the 3000 level or above

**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] Commodity Chains and Cultures of Consumption
- GEOG*2260 [0.50] Applied Human 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] Commodity Chains and Cultures of Consumption

One of:

- GEOG*2260 [0.50] Applied Human Geography
- GEOG*2460 [0.50] Analysis in Geography
- GEOG*2480 [0.50] Mapping and GIS

2.50 credits in Geography at the 3000 or 4000 level, 0.50 of which must be at the 4000 level.

**German (GERM)**

**School of Languages and Literatures, College of Arts**

All language courses carry 0.50 credits. Students with two years of high school German or equivalent may not be admitted into GERM*1100. Students with 12U German credit or its equivalent may be admitted into GERM*1110 only with the approval of the department. All language students are advised to include 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. For more information, contact the Centre for International Program or the School of Languages and Literatures.
One of:
HIST*2100 [0.50] Pre-Confederation Canada
HIST*2600 [0.50] Post-Confederation Canada

While not required to do so, students are advised to take both HIST*2100 and HIST*2600.
0.50 credits from each of a) Pre-Modern and b) Global. Course lists available in the Department of History and at: http://www.uoguelph.ca/history/

5.50 additional credits in History including 2.00 at the 4000 level

Minor (Honours Program)
A minimum of 5.00 credits in History is required, including:
HIST*1050 [0.50] Invitation to History
HIST*2450 [0.50] The Practising Historian

One of:
HIST*1101 [0.50] Early Modern Europe
HIST*1150 [0.50] The Modern World
HIST*1250 [0.50] Science and Technology in a Global Context

One of:
HIST*2100 [0.50] Pre-Confederation Canada
HIST*2600 [0.50] Post-Confederation Canada

While not required to do so, students are advised to take both HIST*2100 and HIST*2600.
0.50 credits from each of a) Pre-Modern and b) Global. Course lists available in the Department of History and at: http://www.uoguelph.ca/history/

2.00 additional credits in History including 1.00 at the 3000 or 4000 level

Note: Honours students in History may, with the permission of the department, take up to 1.00 credits from outside the department such as ECON*2420, ECON*3730, EURO*4050.

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:

a. minimum of 9.00 credits
b. minimum of 4.00 credits at the 3000 level and above, including at least 1.00 credits at the 4000 level
c. minimum of 1.00 credits in methods and/or theory
d. maximum of 1.50 credits at the 1000 level
e. 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. a clear statement of theme or areas of study
b. a clear statement of the contribution of the major to a post-graduation field of work or study
c. a clearly set out rationale for inclusion of the specific courses and how they relate to or develop the theme or areas of study
d. 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

Notes: 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.

International Development (ID)

Interdisciplinary Program
International Development Studies, College of Social and Applied Human Sciences

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 development, the 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:
ECON*1050 [0.50] Introductory Microeconomics
ECON*1100 [0.50] Introductory Macroeconomics
IDEV*1000 [0.50] Understanding Development and Global Inequalities
IDEV*2500 [0.50] International Development Studies
POLS*2080 [0.50] Development and Underdevelopment

2.50 credits from the following Restricted Elective list, as indicated below. A minimum of 0.50 credits must be taken from each group and at least 1.50 credits must be taken at the 3000 level. Students are advised to check prerequisites for their desired upper level courses.

- Geography
  GEOG*2030 [0.50] Environment and Development
  GEOG*3020 [0.50] Global Environmental Change
  GEOG*3050 [0.50] Development and the City
  GEOG*3320 [0.50] Food Systems: Issues in Security and Sustainability

- Sociology/Anthropology
  SOAN*3240 [0.50] Gender & Global Inequality
  SOAN*3250 [0.50] Social Change in Latin America
  SOAN*3680 [0.50] Perspectives on Development

- Economics or Food, Agricultural and Resource Economics
  ECON*1100 [0.50] Economic Growth and Environmental Quality
  ECON*2650 [0.50] Introductory Development Economics
  ECON*3730 [0.50] The Origins of International Inequality
  FARE*1300 [0.50] Poverty, Food & Hunger
  FARE*3250 [0.50] Food and International Development

- Political Science and History
  HIST*2340 [0.50] Slavery and Migrations in the Atlantic World, 1500-1850
  HIST*2890 [0.50] Early Islamic World
  HIST*2910 [0.50] Modern Asia
  HIST*2920 [0.50] Republican Latin America
  HIST*3070 [0.50] Modern India
  HIST*3150 [0.50] History and Culture of Mexico
  HIST*3320 [0.50] Modern China
  HIST*3360 [0.50] History and Culture of Brazil
  HIST*3410 [0.50] Religion in 19th-Century Africa
  HIST*3580 [0.50] Women's History in Asia
  HIST*3590 [0.50] Ancient & Medieval India
  HIST*3830 [0.50] Modern Middle East
  HIST*3910 [0.50] Religion in Africa Since 1900
  POLS*3000 [0.50] Politics of Africa
  POLS*3060 [0.50] Politics of the Middle East and North Africa
  POLS*3080 [0.50] Politics of Latin America
  POLS*3160 [0.50] Women and Politics in the Third World
  POLS*3320 [0.50] Politics of Aid & Development
  POLS*3490 [0.50] Conflict and Conflict Resolution
  POLS*3670 [0.50] Comparative Public Policy and Administration
  POLS*3790 [0.50] International Political Economy
  POLS*3890 [0.50] Government and Politics of India

Major (Honours Program)
A minimum of 12.50 credits is required, including:

5.00 credits in additional core requirements

5.00 credits in one of seven areas of emphasis

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 additional modern language and to work or study abroad.

Students wishing to substitute courses in the major with independent study courses in ID (IDEV*3200, IDEV*4190, IDEV*4200) or with courses taken abroad should consult with the International Development advisor.
1. International Development core requirements (IDEV) – 2.50 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDEV*1000</td>
<td>0.50</td>
<td>Understanding Development and Global Inequalities</td>
</tr>
<tr>
<td>IDEV*2500</td>
<td>0.50</td>
<td>International Development Studies</td>
</tr>
<tr>
<td>IDEV*4500</td>
<td>1.00</td>
<td>International Development Seminar</td>
</tr>
</tbody>
</table>

One of:
IDEV*3010 [0.50] Case Studies in International Development

0.50 credits from relevant semester abroad, exchange program or experience abroad for credit, as approved by International Development advisor.

2. Additional core requirements – 5.00 credits

<table>
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<tr>
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<tbody>
<tr>
<td>ANTH*1150</td>
<td>0.50</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECON*1050</td>
<td>0.50</td>
<td>Introductory Microeconomics</td>
</tr>
<tr>
<td>ECON*1100</td>
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<td>Introductory Macroeconomics</td>
</tr>
<tr>
<td>ECON*2650</td>
<td>0.50</td>
<td>Introductory Development Economics</td>
</tr>
<tr>
<td>GEOG*2030</td>
<td>0.50</td>
<td>Environment and Development</td>
</tr>
<tr>
<td>GEOG*3050</td>
<td>0.50</td>
<td>Development and the City</td>
</tr>
<tr>
<td>POLS*2080</td>
<td>0.50</td>
<td>Development and Underdevelopment</td>
</tr>
</tbody>
</table>

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:
EDRD*4020 [0.50] Rural Extension in Change and Development
FARE*1300 [0.50] Poverty, Food & Hunger
FARE*2250 [0.50] Food and International Development
SOC*2080 [0.50] Rural Sociology

One of:
POLS*3320 [0.50] Politics of Aid & Development
POLS*3760 [0.50] Comparative Public Policy and Administration
POLS*3790 [0.50] International Political Economy

3. Area of emphasis – 5.00 credits

Choose one of the following seven areas:

- Economic and Business Development
- Environment and Development
- Gender and Development
- Historical Perspectives in Development
- Latin American Studies
- Political Economy and Administrative Change
- Rural and Agricultural Development

Areas of Emphasis

<table>
<thead>
<tr>
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<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACCT*1220</td>
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<td>Introductory Financial Accounting</td>
</tr>
<tr>
<td>ECON*2310</td>
<td>0.50</td>
<td>Intermediate Microeconomics *</td>
</tr>
<tr>
<td>ECON*2410</td>
<td>0.50</td>
<td>Intermediate Macroeconomics *</td>
</tr>
<tr>
<td>ECON*2740</td>
<td>0.50</td>
<td>Economic Statistics *</td>
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</table>

Two of:
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
FARE*4290 [0.50] Land Economics
FARE*4310 [0.50] Resource Economics

1.50 additional credits at the 2000 level or above in ECON or FARE, 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. See the Course planning guide on [http://www.ids.uoguelph.ca/](http://www.ids.uoguelph.ca/) for a list of appropriate courses.

* Entry into ECON*2310, ECON*2410 and ECON*2740 requires a 1000-level MATH course.

Environment and Development

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>GEOG*1220</td>
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<td>Human Impact on the Environment</td>
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<tr>
<td>GEOG*1350</td>
<td>0.50</td>
<td>Earth: Hazards and Global Change</td>
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<td>GEOG*2210</td>
<td>0.50</td>
<td>Environment and Resources</td>
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<td>GEOG*2260</td>
<td>0.50</td>
<td>Applied Human Geography</td>
</tr>
<tr>
<td>GEOG*3210</td>
<td>0.50</td>
<td>Management of the Biophysical Environment</td>
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One of:
ECON*2100 [0.50] Economic Growth and Environmental Quality
FARE*2700 [0.50] Survey of Natural Resource Economics

Historical Perspectives in Development

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<td>[0.50]</td>
<td>Natural Disasters in Global History</td>
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<td>PHIL*2070</td>
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<td>Philosophy of the Environment</td>
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<td>POLS*3370</td>
<td>[0.50]</td>
<td>Environmental Politics and Governance</td>
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<tr>
<td>SOC*2280</td>
<td>[0.50]</td>
<td>Society and Environment</td>
</tr>
<tr>
<td>SOC*3380</td>
<td>[0.50]</td>
<td>Society and Nature</td>
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</table>

Two of:
GEOG*2110 [0.50] Climate and the Biophysical Environment
GEOG*2480 [0.50] Mapping and GIS
GEOG*3020 [0.50] Global Environmental Change
GEOG*3060 [0.50] Gender and Environment
GEOG*3320 [0.50] Food Systems: Issues in Security and Sustainability
GEOG*3490 [0.50] Tourism and Environment
GEOG*3600 [0.50] Geography of a Selected Region

Two of:
GEOG*3480 [0.50] GIS and Spatial Analysis
GEOG*4200 [0.50] Social Life of Cities
GEOG*4210 [0.50] Environmental Governance
GEOG*4220 [0.50] Local Environmental Management
GEOG*4230 [0.50] Environmental Impact Assessment
GEOG*4390 [0.50] Seminar in Rural Geography
GEOG*4480 [1.00] Applied Geomatics

Gender and Development

<table>
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<tr>
<td>ANTH*2160</td>
<td>[0.50]</td>
<td>Social Anthropology</td>
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<tr>
<td>SOAN*2120</td>
<td>[0.50]</td>
<td>Introductory Methods</td>
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<tr>
<td>SOAN*3240</td>
<td>[0.50]</td>
<td>Gender &amp; Global Inequality I</td>
</tr>
<tr>
<td>SOAN*4230</td>
<td>[0.50]</td>
<td>Gender &amp; Global Inequality II</td>
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</table>

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

ANTH*2230 [0.50] Regional Ethnography
SOC*2080 [0.50] Rural Sociology

One of:
SOAN*2070 [0.50] Qualitative and Observational Methods
SOAN*3120 [0.50] Quantitative Methods

One of:
ANTH*3690 [0.50] Engaging Anthropological Theory
ANTH*3770 [0.50] Kinship, Family, and Power
SOAN*3100 [0.50] Gender Perspectives on Families and Households

Two of the following not taken as part of the core, at least 0.50 credits being at the 3000 level:

ENGL*2880 [0.50] Women in Literature
GEOG*3090 [0.50] Gender and Environment
HIST*2240 [0.50] Women, War and Nation
HIST*2930 [0.50] Women and Cultural Change
HIST*3020 [0.50] Sexuality and Gender in History
HIST*3580 [0.50] Women's History in Asia
PHIL*2060 [0.50] Philosophy of Feminism I
POLIS*2150 [0.50] Gender and Politics
POLIS*3160 [0.50] Women and Politics in the Third World
POLIS*3710 [0.50] Politics and Sexuality
WMST*2000 [0.50] Women and Representation

0.50 additional credits at the 4000 level in ANTH, SOAN, SOC.

X. Degree Programs, Bachelor of Arts (B.A.)

Last Revision: July 18, 2018 2018-2019 Undergraduate Calendar
Latin American Studies

SPAN*2000 [0.50] Intermediate Spanish I
SPAN*2010 [0.50] Intermediate Spanish II
SPAN*3500 [0.50] Advanced Spanish I
One of:
POL*3180 [0.50] Research Methods I: Political Inquiry and Methods
SOAN*2120 [0.50] Introductory Methods
Three of:
SPAN*2990 [0.50] Hispanic Literary Studies *
SPAN*3080 [0.50] Spanish American Culture
HIST*2920 [0.50] Republican Latin America
HIST*3150 [0.50] History and Culture of Mexico
HIST*3360 [0.50] History and Culture of Brazil
HUMN*3300 [0.50] Latin American Studies in the Humanities
ISS*3300 [0.50] Latin American Studies in the Social Sciences
POLS*3080 [0.50] Politics of Latin America
SOAN*3250 [0.50] Social Change in Latin America

Latin American Studies

Spanish American Culture

Two of:
POL*2000 [0.50] Political Theory
POL*2100 [0.50] Comparative Politics
POL*2200 [0.50] International Relations
Two of the following not taken as part of the core:
ECON*2100 [0.50] Economic Growth and Environmental Quality
ECON*2310 [0.50] Intermediate Microeconomics
ECON*2720 [0.50] Business History
ECON*3730 [0.50] The Origins of International Inequality
ECON*4720 [0.50] Topics in Economic History
ECON*4830 [0.50] Economic Development
ECON*4890 [0.50] History of Economic Thought
FARE*2700 [0.50] Survey of Natural Resource Economics
FARE*3170 [0.50] Cost-Benefit Analysis
FARE*3250 [0.50] Food and International Development
FARE*4210 [0.50] World Agriculture, Food Security and Economic Development
FARE*4290 [0.50] Land Economics
FARE*4310 [0.50] Resource Economics

1.00 additional credits in POLS at the 3000 level, not taken as part of the core.

Rural and Agricultural Development

AGR*2150 [0.50] Plant Agriculture for International Development
SOAN*2120 [0.50] Introductory Methods
One of the following not taken as part of the core:
ANTH*2160 [0.50] Social Anthropology
FARE*1300 [0.50] Poverty, Food & Hunger
FARE*2700 [0.50] Survey of Natural Resource Economics
SOC*2080 [0.50] Rural Sociology
One of:
FARE*3170 [0.50] Cost-Benefit 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:

Italian (ITAL)

School of Languages and Literatures, College of Arts

All language courses carry 0.50 credits. Students with Year 4 or grade 12 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 5.00 credits is required, including:

<table>
<thead>
<tr>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HUMN*2020</td>
<td>The Criminal Mind in Italian Cinema</td>
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<tr>
<td>ITAL*1060</td>
<td>Introductory Italian I</td>
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<td>ITAL*1070</td>
<td>Introductory Italian II</td>
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<td>ITAL*2090</td>
<td>Intermediate Italian</td>
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</tr>
<tr>
<td>ITAL*3060</td>
<td>Advanced Italian</td>
<td>0.50</td>
</tr>
<tr>
<td>ITAL*3400</td>
<td>Experience Lovers and Fools</td>
<td>0.50</td>
</tr>
<tr>
<td>ITAL*3700</td>
<td>Experiential Learning and Language</td>
<td>0.50</td>
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<tr>
<td>ITAL*4900</td>
<td>Research Project in Italian Studies</td>
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1.00 Credits from:

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARTH*2540</td>
<td>Medieval Art</td>
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<tr>
<td>ARTH*2550</td>
<td>The Italian Renaissance</td>
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</tr>
<tr>
<td>ARTH*2950</td>
<td>Baroque Art</td>
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<td>ARTH*3150</td>
<td>Space: Roman Art and Urbanism</td>
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<tr>
<td>ARTH*3320</td>
<td>Lives: Aspects of Western Art</td>
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<td>ARTH*3340</td>
<td>Studies in Renaissance and Baroque Art</td>
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<tr>
<td>CLAS*1000</td>
<td>Introduction to Classical Culture</td>
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<td>CLAS*2000</td>
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<td>HIST*2200</td>
<td>The Medieval World</td>
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<td>HIST*2850</td>
<td>Ancient Greece and Rome</td>
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<td>HIST*3750</td>
<td>The Reformation</td>
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<td>What Makes a Literary Classic?</td>
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<td>HUMN*3000</td>
<td>Narratives of Migration</td>
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<td>Medieval Philosophy</td>
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</table>

### Marketing (MKTG)

#### Department of Marketing and Consumer Studies, College of Business and Economics
The minor in Marketing is designed for students who wish to better understand the subject of marketing and potentially integrate this with their primary field of study. The program develops a core knowledge of contemporary theory and principles of marketing and consumer behaviour of particular relevance to the non-specialist. Note: the minor in Marketing is not open to students enrolled in the Marketing Management major in the Bachelor of Commerce degree.

### Minor (Honours Program)
A minimum of 5.00 credits is required, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECON*1050</td>
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<td>HRGB*2090</td>
<td>Individuals and Groups in Organizations</td>
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<td>MCS*1000</td>
<td>Introductory Marketing</td>
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<td>MCS*2600</td>
<td>Fundamentals of Consumer Behaviour</td>
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<td>MCS*3000</td>
<td>Advanced Marketing</td>
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<tr>
<td>PSYC*1000</td>
<td>Introduction to Psychology</td>
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### Restricted Electives
2.00 restricted Electives:

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<td>ECON*2740</td>
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<tr>
<td>MCS*3010</td>
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<tr>
<td>MCS*3030</td>
<td>Research Methods</td>
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<td>MCS*3500</td>
<td>Marketing Analytics</td>
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<tr>
<td>MCS*3600</td>
<td>Consumer Information Processes</td>
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<td>MCS*3620</td>
<td>Marketing Communications</td>
<td>0.50</td>
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<tr>
<td>MCS*4040</td>
<td>Management in Product Development</td>
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<tr>
<td>MCS*4300</td>
<td>Marketing and Society</td>
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<td>MCS*4400</td>
<td>Pricing Management</td>
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<td>MCS*4600</td>
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<td>PSYC*1010</td>
<td>Making Sense of Data in Psychological Research</td>
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<tr>
<td>STAT*2060</td>
<td>Statistics for Business Decisions</td>
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**NOTE:** only one of ECON*2740, PSYC*1010 or STAT*2060 may be counted as a restricted elective towards the minor in Marketing.

### Mathematical Economics (MAEC)

#### Department of Economics and Finance, College of Business and Economics
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.

### Major (Honours Program)

#### Semester 1 - Fall

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>ECON*1050</td>
<td>Introductory Microeconomics</td>
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<td>MATH*1200</td>
<td>Calculus I</td>
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1.00 electives

#### Semester 2 - Winter

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<tr>
<td>MATH*1210</td>
<td>Calculus II</td>
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1.50 electives

#### Semester 3 - Fall

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<tr>
<td>ECON*2310</td>
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<td>ECON*2410</td>
<td>Intermediate Macroeconomics</td>
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<td>STAT*2040</td>
<td>Statistics I</td>
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1.00 electives

### Mathematical Economics (Co-op) (MAEC:C)

#### Department of Economics and Finance, College of Business and Economics
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.

### Major (Honours Program)

#### Semester 1 - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<tr>
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<td>Introductory Microeconomics</td>
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<tr>
<td>MATH*1200</td>
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1.00 electives

#### Semester 2 - Winter

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>ECON*1100</td>
<td>Introductory Macroeconomics</td>
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</tr>
<tr>
<td>MATH*1210</td>
<td>Calculus II</td>
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1.50 electives

#### Semester 3 - Fall

<table>
<thead>
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<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>ECON*2410</td>
<td>Intermediate Macroeconomics</td>
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<tr>
<td>STAT*2040</td>
<td>Statistics I</td>
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</table>

1.00 electives
### Mathematical Science (MSCI)

**Department of Mathematics and Statistics, College of Engineering and Physical Sciences**

#### Major (Honours Program)

Knowledge of Mathematics and Statistics is crucial for understanding our world. This unique program provides a core of both mathematics and statistics with a choice of a Mathematics stream or a Statistics stream. This major also requires the completion of an area of emphasis as listed. Students are encouraged to speak with a Program Counsellor when choosing courses for the selected stream and area of emphasis.

Students may enter this major in Semester 1 or any semester thereafter. A student wishing to declare the major must consult the Faculty Advisor. A total of 20.0 credits is required to complete the Major which includes at least 10.00 credits in Mathematics & Statistics, 0.50 credits in Computing and Information Science, and an additional 2.50 credits in an area of emphasis. Of the total credits required, students are required to complete 2.00 Mathematics and/or Statistics credits at the 4000 level and an additional 3.00 credits at the 3000 level or above.

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

#### Semester 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*3740</td>
<td>[0.50]</td>
<td>Introduction to Econometrics</td>
</tr>
<tr>
<td>2.00 electives or restricted electives*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Spring/Summer

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>COOP*1000</td>
<td>[0.00]</td>
<td>Co-op Work Term I</td>
</tr>
<tr>
<td></td>
<td>COOP*2000</td>
<td>[0.00]</td>
<td>Co-op Work Term II</td>
</tr>
</tbody>
</table>

#### Semester 5 - Winter

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*3100</td>
<td>[0.50]</td>
<td>Game Theory</td>
</tr>
<tr>
<td>ECON*3810</td>
<td>[0.50]</td>
<td>Advanced Macroeconomics</td>
</tr>
<tr>
<td>1.50 electives or restricted electives*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Spring/Summer

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COOP*3000</td>
<td>[0.00]</td>
<td>Co-op Work Term III</td>
</tr>
</tbody>
</table>

#### Semester 6 - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*3710</td>
<td>[0.50]</td>
<td>Advanced Microeconomics</td>
</tr>
<tr>
<td>2.00 electives or restricted electives*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Winter

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*4000</td>
<td>[0.00]</td>
<td>Co-op Work Term IV</td>
</tr>
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</table>

#### Semester 7 - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*4640</td>
<td>[0.50]</td>
<td>Applied Econometrics I</td>
</tr>
<tr>
<td>ECON*4700</td>
<td>[0.50]</td>
<td>Advanced Mathematical Economics</td>
</tr>
<tr>
<td>ECON*4710</td>
<td>[0.50]</td>
<td>Advanced Topics in Microeconomics</td>
</tr>
<tr>
<td>1.00 electives or restricted electives*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Semester 8 - Winter

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON*4810</td>
<td>[0.50]</td>
<td>Advanced Topics in Macroeconomics</td>
</tr>
<tr>
<td>One of:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON*4840</td>
<td>[0.50]</td>
<td>Applied Econometrics II</td>
</tr>
<tr>
<td>MATH*3200</td>
<td>[0.50]</td>
<td>Real Analysis</td>
</tr>
<tr>
<td>STAT*4080</td>
<td>[0.50]</td>
<td>Data Analysis</td>
</tr>
<tr>
<td>STAT*4340</td>
<td>[0.50]</td>
<td>Statistical Inference</td>
</tr>
<tr>
<td>STAT*4350</td>
<td>[0.50]</td>
<td>Applied Multivariate Statistical Methods</td>
</tr>
<tr>
<td>STAT*4360</td>
<td>[0.50]</td>
<td>Applied Time Series Analysis</td>
</tr>
<tr>
<td>0.50 credits at the 4000 level Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.00 electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*at least 1.00 credits of the 4.00 restricted electives credits must be from Mathematics and 1.00 credits must be from Statistics. The remaining 2.00 credits can be from either subject area. Of the 4.00 credits, at least 1.00 credits must be at the 3000 level or above and the remaining 3.00 credits must be at the 2000 level or above.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Note:</strong> Courses from MATH or STATS will be allowed with the appropriate prerequisites, or by permission of the instructor.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### ECONOMICS (ECON)***

The following credits must be taken:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS*2430</td>
<td>[0.50]</td>
<td>Object Oriented Programming</td>
</tr>
<tr>
<td>CIS*2500</td>
<td>[0.50]</td>
<td>Intermediate Programming</td>
</tr>
<tr>
<td>CIS*2520</td>
<td>[0.50]</td>
<td>Data Structures</td>
</tr>
<tr>
<td>at least 1.00 credits from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS*3110</td>
<td>[0.50]</td>
<td>Operating Systems I</td>
</tr>
<tr>
<td>CIS*3190</td>
<td>[0.50]</td>
<td>Software for Legacy Systems</td>
</tr>
<tr>
<td>CIS*3490</td>
<td>[0.50]</td>
<td>The Analysis and Design of Computer Algorithms</td>
</tr>
<tr>
<td>CIS*3530</td>
<td>[0.50]</td>
<td>Data Base Systems and Concepts</td>
</tr>
<tr>
<td>Note:** CIS*2750 is recommended in addition to the Area of Emphasis requirements for students interested in Computer Science.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### COMPUTER SCIENCE (CS)***

The following credits must be taken:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS*1050</td>
<td>[0.50]</td>
<td>Introductory Microeconomics</td>
</tr>
<tr>
<td>CIS*1100</td>
<td>[0.50]</td>
<td>Introductory Macroeconomics</td>
</tr>
<tr>
<td>CIS*2310</td>
<td>[0.50]</td>
<td>Intermediate Microeconomics</td>
</tr>
<tr>
<td>at least 1.00 credits from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS*3100</td>
<td>[0.50]</td>
<td>Game Theory</td>
</tr>
<tr>
<td>CIS*3710</td>
<td>[0.50]</td>
<td>Advanced Macroeconomics</td>
</tr>
<tr>
<td>CIS*4710</td>
<td>[0.50]</td>
<td>Advanced Topics in Microeconomics</td>
</tr>
</tbody>
</table>

#### INDIVIDUALIZED (IND)***

It is required that 2.50 credits are taken from humanities and social science electives where 1.00 credits must be at the 3000 level or above.

Students declaring an Individualized Area of Emphasis must have their choice of 2.50 credits approved by an academic advisor.
### Mathematics (MATH)

**Department of Mathematics and Statistics, College of Engineering and Physical Sciences**

Knowledge of mathematics is crucial for understanding our world. Students can choose to study mathematics as a minor in the B.A. Honours Program or as an area of concentration in the General Program. These specializations are designed to provide considerable flexibility for students to pursue their own mathematical interests, whether they be in the concepts of "pure" mathematics or techniques and applications. The Mathematics specializations develop skills that are valued in many sectors such as business, education, government, and industry.

### 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 credits from Mathematics, Statistics and/or Computing Science

### Minor (Honours Program)

A total of 5.00 credits is required to complete the Minor including:

- (MATH*1080 or MATH*1200)*
- (MATH*1210 or MATH*2080)**
- MATH*1160 [0.50] Linear Algebra I
- MATH*2000 [0.50] Proofs, Sets, and Numbers
- MATH*2200 [0.50] Advanced Calculus I
- STAT*2040 [0.50] Statistics I

0.50 additional Mathematics credits at the 2000 level or above.

1.50 additional Mathematics credits at the 3000 level or above

* IPS*1500 can count toward this 0.50 credit

** IPS*1510 can count toward this 0.50 credit

Note: Students majoring in Mathematical Science cannot minor in Mathematics.

### Media & Cinema Studies (MCST)

**College of Arts**

This minor considers the various approaches to media, communication, and culture. By examining conventions used across media forms and texts, students are expected to demonstrate an understanding of the relationship between form and content, media and society, technology and culture. Attention will be given to cinema, sound/music, visual culture, and digital/Internet texts and practices. The minor in Media and Cinema Studies (MCST) guides students to an understanding of the pertinent questions at stake in today’s technological and information-focused environments.

### Minor (Honours Program)

A minimum of 5.00 credits is required, including:

- ARTH*2220 [0.50] The Visual Arts Today
- THST*1200 [0.50] The Languages of Media

At least 0.50 credits from Media Studies:

- THST*2450 [0.50] Approaches to Media Studies
- THST*2650 [0.50] History of Communication

At least 0.50 credits from Cinema Studies:

- EURO*1100 [0.50] European Cinema
- HIST*3260 [0.50] Cinema and the Moving Image
- THST*2500 [0.50] Contemporary Cinema
- THST*3350 [0.50] Canadian Cinema

At least 0.50 credits from Computing and Information Science:

- CIS*1200 [0.50] Introduction to Computing
- CIS*1500 [0.50] Introduction to Programming
- CIS*2050 [0.50] Computers and Society

2.50 additional credits from:

- ARTH*2290 [0.50] History of Photographic Media
- CIS*1200 [0.50] Introduction to Computing
- CIS*1500 [0.50] Introduction to Programming
- CIS*2050 [0.50] Computers and Society
- CIS*2170 [0.75] User Interface Design
- EURO*1100 [0.50] European Cinema
- HIST*2020 [0.50] Film as History
- HIST*3260 [0.50] Cinema and the Moving Image
- HIST*4170 [1.00] Exploration of Digital Humanities
- HUMN*2020 [0.50] The Criminal Mind in Italian Cinema
- HUMN*3190 [0.50] Experiential Learning
- HUMN*3470 [0.50] Holocaust & WWII in German Lit. & Film
- HUMN*4190 [0.50] Experiential Learning
- MUSC*2100 [0.50] Creating Music on the Computer
- MUSC*2150 [0.50] Music and Popular Culture
- MUSC*2220 [0.50] Electronica: Music in the Digital Age

MUSC*2380 [0.50] Classical Music from Concert Hall to Cinema
SART*1150 [0.50] Contemporary Artistic Practice
SART*2610 [0.50] Photography I
SART*2700 [0.50] Digital Media I
SART*2710 [0.50] Digital Media II
SART*3750 [0.50] Photography II
SART*3480 [0.50] Digital Media III
THST*1040 [0.50] Introduction to Performance
THST*2450 [0.50] Approaches to Media Studies
THST*2500 [0.50] Contemporary Cinema
THST*2650 [0.50] History of Communication
THST*3530 [0.50] Canadian Cinema

At least 1.00 credits must be at 3000 level or higher

Note: Some courses may also have prerequisites which are identified in course descriptions in the academic calendar.

### 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*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II
- ARTH*2120 [0.50] Introduction to Museology
- ARTH*2480 [0.50] Introduction to Art Theory and Criticism
- ARTH*3330 [0.50] Display: Visual Culture in Western Europe
- ARTH*3620 [0.50] Museum Studies

2.00 additional credits in Art History

### Music (MUSC)

#### School of Fine Art and Music, College of Arts

The School offers courses in music history, theory, ethnomusicology, composition, pedagogy, jazz and improvisation, popular music, digital music, and performance. Many courses are open to all students, while others require 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 select one or more areas of interest, such as individual study on an instrument or in composition, performing in vocal or instrumental ensembles, specialized historical or theoretical study or in-depth study in other music topics.

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 who are enrolled in a Music program: general program, area of concentration; honours program, major or minor. Students enrolled in a Music program,honours major, may audition for MUSC*1500 beyond the fourth semester.

**Applied Music courses are designed to be taken during successive Fall and Winter terms.**

If this sequence is interrupted for more than one semester, students may be required to reapply (re-audition) 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 honours program major must complete the following courses:

- MUSC*1060 [0.50] Amadeus to Zeppelin: Music and Culture I
- MUSC*1180 [0.50] Musicianship I
- MUSC*2100 [0.50] Creating Music on the Computer
- MUSC*2140 [0.50] History of Jazz
- MUSC*2150 [0.50] Music and Popular Culture
- MUSC*2180 [0.50] Musicianship II
- MUSC*2270 [0.50] World Music
- MUSC*2330 [0.50] Beethoven to Broadway: Music and Culture II
- MUSC*2660 [0.50] Materials of Music I
- MUSC*3010 [0.50] Materials of Music II
Music majors are advised to take MUSC*1180 in Fall Year 1, followed by MUSC*2180 in Winter Year 1.

Minor (Honours Program)
A minimum of 5.00 Music credits is required, including:

MUSC*1060 [0.50] Amadeus to Zeppelin: Music and Culture I
MUSC*1180 [0.50] Musicianship I

One of:
MUSC*2030 [0.50] Music in Canada
MUSC*2100 [0.50] Creating Music on the Computer
MUSC*2140 [0.50] History of Jazz
MUSC*2150 [0.50] Music and Popular Culture
MUSC*2220 [0.50] Electronica: Music in the Digital Age
MUSC*2270 [0.50] World Music

At least 1.50 Music credits at the 3000 or 4000 level

Note: Students should be aware that courses at the 3000 or 4000 level may require additional prerequisites.

2.00 additional credits in Music

Philosophy (PHIL)

Department of Philosophy, College of Arts

Our programs are designed to educate students about philosophical discussions of central questions in ethics, political philosophy, theory of knowledge, metaphysics and philosophy of science, among other areas. This includes learning the history of these subjects as well as understanding current debates. In gaining this knowledge students develop crucial skills of articulation, critical thinking, intellectual independence and the ability to understand others' viewpoints and assumptions. It is important that students discuss their programs with a Faculty Advisor (+1) in order to determine 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, PHIL*1030 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)

5.00 Philosophy credits are required, as follows:

PHIL*2240 [0.50] Knowledge and Belief
PHIL*2370 [0.50] Metaphysics and Mind

One of:
PHIL*2120 [0.50] Ethics
PHIL*2280 [0.50] Key Concepts in Political Philosophy

One of:
PHIL*2100 [0.50] Critical Thinking
PHIL*2110 [0.50] Formal Logic

1.50 credits in Philosophy

Note: Students may only count 0.50 credits at the 1000 level towards this requirement.

1.50 credits in Philosophy at the 3000 level or higher

Major (Honours Program)

8.50 Philosophy credits are required, as follows:

PHIL*2120 [0.50] Ethics
PHIL*2140 [0.50] Ancient Greek Philosophy
PHIL*2160 [0.50] Early Modern Philosophy: Reason vs. Experience
PHIL*2280 [0.50] Key Concepts in Political Philosophy

PHIL*2370 [0.50] Metaphysics and Mind
PHIL*3100 [0.50] Kant and His Legacy
PHIL*4820 [0.50] Philosophy Research Presentation

One of:
PHIL*2100 [0.50] Critical Thinking
PHIL*2110 [0.50] Formal Logic

One of:
PHIL*2180 [0.50] Philosophy of Science
PHIL*2240 [0.50] Knowledge and Belief

1.50 credits in Philosophy

Note: Students may only count 0.50 credits at the 1000 level towards this requirement.

1.50 credits in Philosophy at the 3000 level or higher

1.00 credits in Philosophy at the 4000 level or higher

Minor (Honours Program)

5.00 Philosophy credits are required, as follows:

PHIL*2240 [0.50] Knowledge and Belief
PHIL*2370 [0.50] Metaphysics and Mind

One of:
PHIL*2120 [0.50] Ethics
PHIL*2280 [0.50] Key Concepts in Political Philosophy

One of:
PHIL*2100 [0.50] Critical Thinking
PHIL*2110 [0.50] Formal Logic

1.00 credits in Philosophy

Note: Students may only count 0.50 credits at the 1000 level towards this requirement.

2.00 credits in Philosophy at the 3000 level or higher

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: Political Thought; Canadian Politics; Public Policy, Governance, and Law; Comparative Politics; and International Relations and Global Studies. The Department of Political Science also participates in several interdisciplinary programs, including Criminal Justice and Public Policy, International Development Studies, Environmental Governance, and European 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*3180 and POLS*3650. Students in the honours program minor are required to take POLS*3180. 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 [0.50] Understanding Politics
POLS*2300 [0.50] Canadian Government and Politics

One of:
POLS*2280 [0.50] Key Concepts in Political Philosophy
POLS*2000 [0.50] Political Theory

One of:
POLS*2080 [0.50] Development and Underdevelopment
POLS*2100 [0.50] Comparative Politics
POLS*2200 [0.50] International Relations

One of:
POLS*2150 [0.50] Gender and Politics
POLS*2250 [0.50] Public Administration and Governance
POLS*2350 [0.50] Law from a Political Science Perspective

Area of Concentration (General Program)

A minimum of 5.00 credits is required, including:

POLS*1150 [0.50] Understanding Politics
POLS*2300 [0.50] Canadian Government and Politics

One of:
POLS*2280 [0.50] Key Concepts in Political Philosophy
POLS*2000 [0.50] Political Theory

One of:
POLS*2080 [0.50] Development and Underdevelopment
POLS*2100 [0.50] Comparative Politics
POLS*2200 [0.50] International Relations
One of:
POLS*2150 [0.50] Gender and Politics
POLS*2250 [0.50] Public Administration and Governance
POLS*2350 [0.50] Law from a Political Science Perspective
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 is required, including:
POLS*1150 [0.50] Understanding Politics
POLS*2300 [0.50] Canadian Government and Politics
POLS*3180 [0.50] Research Methods I: Political Inquiry and Methods
POLS*3650 [0.50] Research Methods II: Quantitative Methods
One of:
PHIL*2280 [0.50] Key Concepts in Political Philosophy
POLS*2000 [0.50] Political Theory
One of:
POLS*2080 [0.50] Development and Underdevelopment
POLS*2100 [0.50] Comparative Politics
POLS*2200 [0.50] International Relations
One of:
POLS*2150 [0.50] Gender and Politics
POLS*2250 [0.50] Public Administration and Governance
POLS*2350 [0.50] Law from a Political Science Perspective
at least 0.50 credits at the 3000 level in three of the five fields in the department
1.50 credits at the 4000 level, two of which must include either one course from the 1.00
credit-weighted research and writing intensive seminar courses or two courses which
comprise the POLS*4970/POLS*4980 Honours Thesis sequence.
4000 level courses that fulfill the Honours writing and research intensive course
requirement:
POLS*4050 [1.00] Advanced Topics in Law and Politics
POLS*4070 [1.00] Courts and Parliament
POLS*4100 [1.00] Women, Justice and Public Policy
POLS*4140 [1.00] Conceptions of Canada
POLS*4160 [1.00] Multi-Level Governance in Canada
POLS*4200 [1.00] International Political Economy
POLS*4250 [1.00] Topics in Public Management
POLS*4260 [1.00] Topics in Public Policy
POLS*4300 [1.00] Human Rights, Ethics, and Development
POLS*4340 [1.00] Nationalism, State-building and Identity
POLS*4710 [1.00] Topics in Comparative Politics
POLS*4720 [1.00] Topics in International Relations
POLS*4730 [1.00] International Relations of the Middle East
POLS*4740 [1.00] Advanced Topics in Rights and Liberties
POLS*4900 [1.00] Special Topics Seminar in Political Science
POLS*4970 [0.50] Honours Political Science Research I
an additional 2.50 credits from courses in Political Science.

** 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 is required, including:
POLS*1150 [0.50] Understanding Politics
POLS*2300 [0.50] Canadian Government and Politics
POLS*3180 [0.50] Research Methods I: Political Inquiry and Methods
One of:
PHIL*2280 [0.50] Key Concepts in Political Philosophy
POLS*2000 [0.50] Political Theory
One of:
POLS*2080 [0.50] Development and Underdevelopment
POLS*2100 [0.50] Comparative Politics
POLS*2200 [0.50] International Relations
One of:
POLS*2150 [0.50] Gender and Politics
POLS*2250 [0.50] Public Administration and Governance
POLS*2350 [0.50] Law from a Political Science Perspective
0.50 credits at the 4000 level
1.50 additional credits from courses in Political Science
Choices for fulfillment of prerequisites for 4000 level courses (see course descriptions
for corresponding requirements).

Political Thought
POLS*3230 [0.50] Modern Political Thought
POLS*3710 [0.50] Politics and Sexuality

Canadian Politics
HIST*3160 [0.50] Canadian Political History

POLS*3050 [0.50] Canadian Political Parties, Elections and Pressure Groups
POLS*3140 [0.50] Politics and the Charter of Rights
POLS*3210 [0.50] The Constitution and Canadian Federalism
POLS*3270 [0.50] Local Government in Ontario
POLS*3470 [0.50] Business-Government Relations in Canada

Public Policy, Governance and Law
POLS*3130 [0.50] Law, Politics and Judicial Process
POLS*3140 [0.50] Politics and the Charter of Rights
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 Politics and Governance
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

Comparative Politics
POLS*3000 [0.50] Politics of Africa
POLS*3060 [0.50] Politics of the Middle East and North Africa
POLS*3080 [0.50] Politics of Latin America
POLS*3160 [0.50] Women and Politics in the Third World
POLS*3320 [0.50] Politics of Aid & Development
POLS*3410 [0.50] U.S. Politics and Government
POLS*3440 [0.50] Corruption, Scandal and Political Ethics
POLS*3450 [0.50] European Governments and Politics
POLS*3560 [0.50] Comparative Public Policy and Administration
POLS*3890 [0.50] Government and Politics of India
POLS*3920 [0.50] Modern China

International Relations and Global Studies
POLS*3160 [0.50] Women and Politics in the Third World
POLS*3320 [0.50] Politics of Aid & Development
POLS*3490 [0.50] Conflict and Conflict Resolution
POLS*3790 [0.50] International Political Economy
The Department of Political Science offers a academic advising service for students in
Political Science.
Students are encouraged to consult with the faculty 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 and minor and a B.A. General program area of
concentration, all of which are described below, as well as a B.A. Honours program Co-op
major (PSYC.C).
Through its different undergraduate programs, the Psychology Department provides:
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; and c) a sound preparation for graduate study
in Psychology. Students intending to apply to Psychology graduate programs, and those
who want a structured, intensive research experience, may apply to enrol in the Honours
Thesis courses (See Option B – Honours Thesis Stream). In addition, students intending
to apply for admission to graduate programs in Psychology should note most graduate
programs require the applicant to have at least an A- average in order to be considered
for admission.

Note on Honours Courses
Courses designated with (H) are for students in Psychology Honours programs. These
include: B.A. Honours Psychology (PSYC, PSYC;C) major or minor and the Neuroscience
(NEUR) major or minor. A cumulative average of at least 70% in all course attempts in
Psychology, (NEUR) major or minor. A cumulative average of at least 70% in all course attempts in
the Neuroscience (NEUR) major or minor, or PBC major or minor is required to enrol in H
designated courses.

Advising Note
We advise students to take PSYC*1000 In their first semester and PSYC*1010 and
PSYC*1500 in their second semester
The maximum number of PSYC credits students can take at each level is as follows:
1000 level courses: no cap
2000 level courses: 3.50 credits
3000 level courses: 3.50 credits
4000 level courses: 3.00 credits

Area of Concentration (General Program)
A total of 6.00 credits are required for the Psychology Area of Concentration.
### Year 1
Students must complete 1.50 credits at the 1000 level in Psychology, including:
- PSYC*1000 [0.50] Introduction to Psychology
- PSYC*1010 [0.50] Making Sense of Data in Psychological Research
- PSYC*1500 [0.50] Foundational Skills for Psychology

### Year 2
Students must complete 2.50 credits at the 2000 level in Psychology, including:
- PSYC*2070 [0.50] Teams, Leadership, and Professional Behaviour
- PSYC*2360 [0.50] Psychological Methods and Statistics

One of:
- PSYC*2330 [0.50] Principles of Learning
- PSYC*2390 [0.50] Sensation and Perception
- PSYC*2410 [0.50] Behavioural Neuroscience I
- PSYC*2650 [0.50] Cognitive Psychology

Two of:
- PSYC*2020 [0.50] Abnormal Psychology
- PSYC*2310 [0.50] Social Psychology
- PSYC*2450 [0.50] Developmental Psychology
- PSYC*2740 [0.50] Personality

### Year 3
Students must complete 1.50 credits at the 3000 level in Psychology, including:
- PSYC*3470 [0.50] Putting Psychology to Work

1.00 additional credit in PSYC at the 3000 level.

Finally, students are required to take an additional 0.50 credit in PSYC at the 2000 level or above.

### Major (Honours Program)
A total of 9.00 credits are required for the Psychology major BAH.

### Year 1
Students must complete 1.50 credits at the 1000 level in Psychology, including:
- PSYC*1000 [0.50] Introduction to Psychology
- PSYC*1010 [0.50] Making Sense of Data in Psychological Research
- PSYC*1500 [0.50] Foundational Skills for Psychology

### Year 2
Students must complete 3.00 credits at the 2000 level in Psychology, including:
- PSYC*2070 [0.50] Teams, Leadership, and Professional Behaviour
- PSYC*2360 [0.50] Psychological Methods and Statistics

Two of:
- PSYC*2330 [0.50] Principles of Learning
- PSYC*2390 [0.50] Sensation and Perception
- PSYC*2410 [0.50] Behavioural Neuroscience I
- PSYC*2650 [0.50] Cognitive Psychology

Two of:
- PSYC*2020 [0.50] Abnormal Psychology
- PSYC*2310 [0.50] Social Psychology
- PSYC*2450 [0.50] Developmental Psychology
- PSYC*2740 [0.50] Personality

**OPTION A – HONOURS REGULAR STREAM**

### Year 3
Students must complete 3.00 credits at the 3000 level in Psychology, including:
- PSYC*3000 [0.50] Historical and Critical Perspectives on Psychology
- PSYC*3250 [0.50] Psychological Measurement
- PSYC*3290 [0.50] Conducting Statistical Analyses in Psychology

1.50 additional credit in Psychology at 3000 level.

### Year 4
Students must complete 2.00 credits at the 4000 level in Psychology, comprised of:
- PSYC*4780 [0.50] Advanced Research Methods and Statistics
- PSYC*4870 [0.50] Honours Thesis I
- PSYC*4880 [1.00] Honours Thesis II

**Note:** Students should note that the Honours Thesis courses are normally taken in a Fall-Winter sequence and are worth the equivalent of 1.50 credits toward the 20.00 credits Honours B.A. degree requirements.

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

A total of 5.00 credits are required for the Psychology Minor, including:
- PSYC*1000 [0.50] Introduction to Psychology
- PSYC*1010 [0.50] Making Sense of Data in Psychological Research
- PSYC*2360 [0.50] Psychological Methods and Statistics

An additional 2.00 credits selected from the following:
- PSYC*2020 [0.50] Abnormal Psychology
- PSYC*2310 [0.50] Social Psychology
- PSYC*2330 [0.50] Principles of Learning
- PSYC*2390 [0.50] Sensation and Perception
- PSYC*2410 [0.50] Behavioural Neuroscience I
- PSYC*2450 [0.50] Developmental Psychology
- PSYC*2650 [0.50] Cognitive Psychology
- PSYC*2740 [0.50] Personality

An additional 1.50 credits at the 3000 level in Psychology.

**Note:** There is a maximum number of Psychology credits a student may complete. Please refer to the major for further information.

### 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 three work terms. (Students interested in applying to graduate school in Psychology after graduation should see the Graduate Advisory Note at the end of this section.)

The first work term normally follows three or four 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.

### Major (Honours Program)

**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 (if relevant) and courses appropriate for potential work-term placements.

### Note on Honours Courses

Courses designated with (H) are for students in Psychology Honours programs. These include: B.A. Honours Psychology (PSYC, PSYC:C) major or minor, B.A. Information Systems and Human Behaviour (ISHB) major and the Neuroscience (NEUR) major or minor. A cumulative average of at least 70% in all course attempts in Psychology or registration in the ISHB major, NEUR minor, or PBC major or minor is required to enrol in H designated courses.

A total of 9.00 credits are required for the Psychology Co-op BAH. Students must complete 1.50 credits at the 1000 level and 3.00 credits at the 2000 level in Psychology. For those in the Honours Regular Stream, students must complete 3.00 credits at the 3000 level and 1.50 credits at the 4000 level in Psychology. For those in the Honours Thesis Stream, students must complete 2.50 credits at the 3000 level and 2.00 credits at the 4000 level in Psychology.

The maximum number of PSYC credits that students can take at each level is as follows:

- 1000 level courses: no cap
- 2000 level courses: 3.50 credits
- 3000 level courses: 3.50 credits
- 4000 level courses: 3.00 credits

Students wishing to move more quickly through the program are recommended to take two DE courses in the summer of their first year and/or one DE course during each work term. If they do so, the number of electives required in Semester 8 will depend on how many additional courses the student has taken throughout the program to meet the 20.00 credit requirement.
**Graduate Studies Advisory Note:** Most graduate programs require the student to have at least an A- average in order to be considered for admission. They also require students follow the Honours Thesis Stream. Students planning on applying to graduate school in Psychology will need to take the following courses in the semesters outlined below: PSYC*3250, PSYC*3290, PSYC*4780, PSYC*4870, and PSYC*4880.

**Major (Honours Program)**

A total of 9.00 credits are required for the Psychology major BAH.

**Year 1**

**Semester 1 - Fall**

Students should complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*1000</td>
<td>[0.50]</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

2.00 additional credits

**Semester 2 - Winter**

Students should complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*1100</td>
<td>[0.00]</td>
<td>Co-op Work Term I</td>
</tr>
<tr>
<td>PSYC*1010</td>
<td>[0.50]</td>
<td>Making Sense of Data in Psychological Research</td>
</tr>
<tr>
<td>PSYC*1500</td>
<td>[0.50]</td>
<td>Foundational Skills for Psychology</td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*2390</td>
<td>[0.50]</td>
<td>Sensation and Perception</td>
</tr>
<tr>
<td>PSYC*2650</td>
<td>[0.50]</td>
<td>Cognitive Psychology</td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*2020</td>
<td>[0.50]</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC*2740</td>
<td>[0.50]</td>
<td>Personality</td>
</tr>
</tbody>
</table>

0.50 additional credits

**Summer Semester**

If students want to progress more quickly through the program or plan to apply to graduate school, they should complete: 1.00 PSYC credits at the 2000 level. If not taken in the summer semester, they must be completed by the end of semester 4.

**Year 2**

**Semester 3 - Fall**

Students should complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*2070</td>
<td>[0.50]</td>
<td>Teams, Leadership, and Professional Behaviour</td>
</tr>
<tr>
<td>PSYC*2360</td>
<td>[0.50]</td>
<td>Psychological Methods and Statistics</td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*2330</td>
<td>[0.50]</td>
<td>Principles of Learning</td>
</tr>
<tr>
<td>PSYC*2410</td>
<td>[0.50]</td>
<td>Behavioural Neuroscience I</td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*2310</td>
<td>[0.50]</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC*2450</td>
<td>[0.50]</td>
<td>Developmental Psychology</td>
</tr>
</tbody>
</table>

0.50 additional credits

**Winter Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*1000</td>
<td>[0.00]</td>
<td>Co-op Work Term I</td>
</tr>
</tbody>
</table>

**Semester 4 - Summer**

0.50 credits in PSYC at the 3000 level

2.00 additional credits

**OPTION A – HONOURS REGULAR STREAM**

**Year 3**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*2000</td>
<td>[0.00]</td>
<td>Co-op Work Term II</td>
</tr>
</tbody>
</table>

**Semester 5 - Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*3000</td>
<td>[0.50]</td>
<td>Historical and Critical Perspectives on Psychology</td>
</tr>
<tr>
<td>PSYC*3290</td>
<td>[0.50]</td>
<td>Conducting Statistical Analyses in Psychology</td>
</tr>
</tbody>
</table>

1.00 additional credits in PSYC at the 3000 level

0.50 additional credits

**Summer Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*3000</td>
<td>[0.00]</td>
<td>Co-op Work Term III</td>
</tr>
</tbody>
</table>

**Year 4**

**Semester 6 - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*3250</td>
<td>[0.50]</td>
<td>Psychological Measurement</td>
</tr>
</tbody>
</table>

0.50 additional credits in PSYC at the 4000 level

1.50 additional credits

**Semester 7 - Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*4540</td>
<td>[1.00]</td>
<td>Practical Applications of Psychology</td>
</tr>
</tbody>
</table>

1.50 additional credits

**Semester 8 - Summer**

2.50 credits

**OPTION B – HONOURS THESIS STREAM**

**Year 3**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*2000</td>
<td>[0.00]</td>
<td>Co-op Work Term II</td>
</tr>
</tbody>
</table>

**Semester 5 - Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*3000</td>
<td>[0.50]</td>
<td>Historical and Critical Perspectives on Psychology</td>
</tr>
<tr>
<td>PSYC*3250</td>
<td>[0.50]</td>
<td>Psychological Measurement</td>
</tr>
<tr>
<td>PSYC*3290</td>
<td>[0.50]</td>
<td>Conducting Statistical Analyses in Psychology</td>
</tr>
</tbody>
</table>

1.00 additional credits

**Summer Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOP*3000</td>
<td>[0.00]</td>
<td>Co-op Work Term III</td>
</tr>
</tbody>
</table>

**Year 4**

**Semester 6 - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*3250</td>
<td>[0.50]</td>
<td>Psychological Measurement</td>
</tr>
</tbody>
</table>

0.50 additional credits in PSYC at the 3000 level

1.00 additional credits at the 3000 or 4000 level

**Semester 7 - Winter**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC*4880</td>
<td>[1.00]</td>
<td>Honours Thesis II</td>
</tr>
</tbody>
</table>

1.50 additional credits

**Semester 8 - Summer**

2.50 credits

**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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRHD*3060</td>
<td>[0.50]</td>
<td>Principles of Social Gerontology</td>
</tr>
<tr>
<td>PHIL*2180</td>
<td>[0.50]</td>
<td>Philosophy of Science</td>
</tr>
</tbody>
</table>

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.

SOAN courses will be used towards the Sociology specializations.

**Area of Concentration (General Program)**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH*1150</td>
<td>[0.50]</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>SOAN*2111/2</td>
<td>[1.00]</td>
<td>Classical Theory</td>
</tr>
<tr>
<td>SOAN*2120</td>
<td>[0.50]</td>
<td>Introductory Methods</td>
</tr>
<tr>
<td>SOC*1100</td>
<td>[0.50]</td>
<td>Sociology</td>
</tr>
</tbody>
</table>

2.50 additional credits in SOC and SOAN courses, including at least 1.00 credits at the 3000 level

**Major (Honours Program)**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH*1150</td>
<td>[0.50]</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>SOAN*2111/2</td>
<td>[1.00]</td>
<td>Classical Theory</td>
</tr>
<tr>
<td>SOAN*2120</td>
<td>[0.50]</td>
<td>Introductory Methods</td>
</tr>
<tr>
<td>SOAN*3070</td>
<td>[0.50]</td>
<td>Qualitative and Observational Methods</td>
</tr>
<tr>
<td>SOAN*3120</td>
<td>[0.50]</td>
<td>Quantitative Methods</td>
</tr>
<tr>
<td>SOC*1100</td>
<td>[0.50]</td>
<td>Sociology</td>
</tr>
<tr>
<td>SOC*3310</td>
<td>[0.50]</td>
<td>Contemporary Theory</td>
</tr>
</tbody>
</table>

4.00 additional credits in SOC and SOAN courses, including at least 1.50 credits at the 4000 level

The following courses may be used toward a sociology specialization:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRHD*3060</td>
<td>[0.50]</td>
<td>Principles of Social Gerontology</td>
</tr>
<tr>
<td>PHIL*2180</td>
<td>[0.50]</td>
<td>Philosophy of Science</td>
</tr>
</tbody>
</table>

**Minor (Honours Program)**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH*1150</td>
<td>[0.50]</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>SOAN*2111/2</td>
<td>[1.00]</td>
<td>Classical Theory</td>
</tr>
<tr>
<td>SOAN*2120</td>
<td>[0.50]</td>
<td>Introductory Methods</td>
</tr>
<tr>
<td>SOC*1100</td>
<td>[0.50]</td>
<td>Sociology</td>
</tr>
</tbody>
</table>

2.50 additional credits in SOC and SOAN courses, including at least 1.00 credits at the 3000 level or above

The following courses may be used toward a sociology specialization:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRHD*3060</td>
<td>[0.50]</td>
<td>Principles of Social Gerontology</td>
</tr>
</tbody>
</table>
### Major (Honours Program)

A minimum of 8.00 credits in Spanish and Hispanic Studies is required, including:

<table>
<thead>
<tr>
<th>3.50 credits from Group A:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN*2040 [0.50] Culture of Spain</td>
<td></td>
</tr>
<tr>
<td>SPAN*2990 [0.50] Hispanic Literary Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*3080 [0.50] Spanish American Culture</td>
<td></td>
</tr>
<tr>
<td>SPAN*3220 [0.50] Literature and Arts I: Spain Pre-1936</td>
<td></td>
</tr>
<tr>
<td>SPAN*3230 [0.50] Literature and Arts II: Latin America Pre-1950</td>
<td></td>
</tr>
</tbody>
</table>

One of:

<table>
<thead>
<tr>
<th>1.00 credits from Group A:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN*4410 [1.00] Senior Seminar on Latin American Post-1950</td>
<td></td>
</tr>
<tr>
<td>SPAN*4420 [1.00] Senior Seminar on Spain or Africa Post-1936</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4.50 credits from Group B:</th>
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</thead>
<tbody>
<tr>
<td>SPAN*1100 [0.50] Introductory Spanish I</td>
<td></td>
</tr>
<tr>
<td>SPAN*1110 [0.50] Introductory Spanish II</td>
<td></td>
</tr>
<tr>
<td>SPAN*2000 [0.50] Intermediate Spanish I</td>
<td></td>
</tr>
<tr>
<td>SPAN*2010 [0.50] Intermediate Spanish II</td>
<td></td>
</tr>
<tr>
<td>SPAN*3210 [0.50] Topics in Hispanic Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*3240 [0.50] Topics in Hispanic Linguistics</td>
<td></td>
</tr>
<tr>
<td>SPAN*3500 [0.50] Advanced Spanish I</td>
<td></td>
</tr>
<tr>
<td>SPAN*3700 [0.50] Experiential Learning and Language</td>
<td></td>
</tr>
<tr>
<td>SPAN*3800 [0.50] Directed Readings in Hispanic Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*3810 [0.50] Directed Readings in Hispanic Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*4100 [1.00] Seminar in Hispanic Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*4410 [1.00] Senior Seminar on Latin American Post-1950</td>
<td></td>
</tr>
<tr>
<td>SPAN*4420 [1.00] Senior Seminar on Spain or Africa Post-1936</td>
<td></td>
</tr>
<tr>
<td>SPAN*4500 [1.00] Spanish Translation - Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>SPAN*4840 [1.00] Research Paper in Hispanic Studies</td>
<td></td>
</tr>
</tbody>
</table>

A maximum of 1.00 credits from Group B may be substituted with courses from the following:

<table>
<thead>
<tr>
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<tr>
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<td>ENGL*2040 [0.50] Latina/o Literature and Cultural Production: Intro</td>
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<tr>
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<td></td>
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<tr>
<td>HIST*2920 [0.50] Republican Latin America</td>
<td></td>
</tr>
<tr>
<td>HIST*3150 [0.50] History and Culture of Mexico</td>
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</tr>
<tr>
<td>HIST*3230 [0.50] Spain and Portugal, 1085 to 1668</td>
<td></td>
</tr>
<tr>
<td>HUMN*1030 [0.50] What Makes a Literary Classic?</td>
<td></td>
</tr>
<tr>
<td>HUMN*3000 [0.50] Narratives of Migration</td>
<td></td>
</tr>
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<td>LAT*1100 [0.50] Preliminary Latin I</td>
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<td></td>
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<td></td>
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<tr>
<td>LING*2400 [0.50] Phonetics</td>
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</tr>
</tbody>
</table>

### Minor (Honours Program)

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

<table>
<thead>
<tr>
<th>2.50 credits from Group A:</th>
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<tbody>
<tr>
<td>SPAN*2040 [0.50] Culture of Spain</td>
<td></td>
</tr>
<tr>
<td>SPAN*2990 [0.50] Hispanic Literary Studies</td>
<td></td>
</tr>
<tr>
<td>SPAN*3080 [0.50] Spanish American Culture</td>
<td></td>
</tr>
<tr>
<td>SPAN*3220 [0.50] Literature and Arts I: Spain Pre-1936</td>
<td></td>
</tr>
<tr>
<td>SPAN*3230 [0.50] Literature and Arts II: Latin America Pre-1950</td>
<td></td>
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<td>ENGL*2040 [0.50] Latina/o Literature and Cultural Production: Intro</td>
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</tbody>
</table>

### Area of Concentration (General Program)

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

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<tr>
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<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>SPAN*3230 [0.50] Literature and Arts II: Latin America Pre-1950</td>
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</table>

### Study Abroad

The Spanish and Hispanic Studies program encourages its students to take advantage of the University of Guelph’s exchange programs and the semester abroad opportunities. We offer exchange programs with the University of Málaga and the University of Alcalá de Henares in Spain the Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM) and the University of Guadalajara (with over 30 campuses) in Mexico and the University of San Andrés in Argentina. Students also enjoy the semester abroad opportunity every second winter in Guatemala. It is recommended that students go on exchange in their third year. In order to be eligible for an exchange, students should have completed at least SPAN*2010, SPAN*2990, SPAN*2040 and SPAN*3080. Credits successfully completed at the host university are applied towards University of Guelph degree requirements. Please see the International Study section of the undergraduate calendar and consult the Head of Spanish and Hispanic Studies for more information.

### Language Policy

All language students are strongly advised to include LING*1000 in their program, and CLAS*1000 among their electives in order to derive the maximum benefit from their studies.

### Minor (Honours Program)

A maximum of 0.50 credits from Group B may be substituted with courses from the following:

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<td>LING*2400 [0.50] Phonetics</td>
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</table>

Students wishing to substitute required courses with courses taken abroad, or other options, should consult the Head of Spanish and Hispanic Studies.
Students wishing to substitute required courses with courses taken abroad, or other options, should consult the Head of Spanish and Hispanic Studies.

**Statistics (STAT)**

Department of Mathematics and Statistics, College of Engineering and Physical Sciences

Knowledge of statistics is crucial for understanding our world. An understanding of statistics is vital in many disciplines including psychology, sociology, political science, marketing and economics. Students can choose to study statistics as a minor in the B.A. Honours Program or as an area of concentration in the General Program.

**Area of Concentration (General Program)**

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

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

**Recommended Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MATH*1200</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH*1210</td>
<td>Calculus II</td>
</tr>
<tr>
<td>STAT*2040</td>
<td>Statistics I</td>
</tr>
<tr>
<td>STAT*2050</td>
<td>Statistics II</td>
</tr>
<tr>
<td>STAT*3110</td>
<td>Introductory Mathematical Statistics I</td>
</tr>
<tr>
<td>STAT*3111</td>
<td>Introductory Mathematical Statistics II</td>
</tr>
<tr>
<td>STAT*3240</td>
<td>Applied Regression Analysis</td>
</tr>
</tbody>
</table>

0.50 additional credits in Statistics

0.50 additional credits in Statistics or Mathematics

**Honours Programs**

**Minor (Honours Program)**

A total of 5.00 credits is required to complete the minor, including:

- (MATH*1080 or MATH*1200)* (MATH*1210 or MATH*2080)**
- MATH*1160 [0.50] Linear Algebra I
- STAT*2040 [0.50] Statistics I
- STAT*2050 [0.50] Statistics II
- STAT*3100 [0.50] Intermediate Mathematical Statistics I
- STAT*3110 [0.50] Intermediate Mathematical Statistics II
- STAT*3240 [0.50] Applied Regression Analysis

0.50 additional credits in Statistics or Mathematics at the 2000 level or above

* IPS*1500 can count toward this 0.50 credit

** IPS*1510 can count toward this 0.50 credit

**Note:** Students majoring in Mathematical Science cannot minor in Statistics.

**Student Counselling**

Students who elect to take a substantial number of credits in Studio Art with the objective of graduate work are advised to obtain counseling from their academic advisor regarding their choices. However, in general, it is important to know that graduate studies in Studio Art normally require an in-depth knowledge of traditional and contemporary media, as well as a significant awareness of contemporary art history and theory. Students are encouraged to take electives in other disciplines from across the University to inform their Studio Art practice. Cognate electives in other disciplines in the College of Arts, such as Philosophy, History, and English will almost certainly prove an asset.

**Minor**

Students wishing to declare the SART minor must have a cumulative average of 70% or higher in the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SART*1050</td>
<td>Foundation Studio</td>
</tr>
<tr>
<td>SART*1060</td>
<td>Core Studio</td>
</tr>
</tbody>
</table>

One of:

- ARTH*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II

Students who have not been admitted directly into the major must also meet these requirements in order to declare a SART major.

**Major (Honours Program)**

A minimum of 9.00 credits is required, including:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SART*1050</td>
<td>Foundation Studio</td>
</tr>
<tr>
<td>SART*1060</td>
<td>Core Studio</td>
</tr>
</tbody>
</table>

One of:

- ARTH*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II

One of:

- ARTH*2220 [0.50] The Visual Arts Today
- ARTH*2480 [0.50] Introduction to Art Theory and Criticism

One of:

- SART*2090 [0.50] Drawing I
- SART*2200 [0.50] Painting I
- SART*2460 [0.50] Printmaking I
- SART*2610 [0.50] Photography I
- SART*2700 [0.50] Digital Media I
- SART*2710 [0.50] Digital Media II

One of:

- SART*2300 [0.50] Sculpture I
- SART*2800 [0.50] Extended Practices I

4.00 additional credits in Studio Art including 1.50 credits at the 4000 level.

2.00 additional credits in Art History including at least 0.50 credits at the 3000 level or above.

**Minor (Honours Program)**

A minimum of 5.00 credits is required, including:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SART*1050</td>
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<td>SART*1060</td>
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</tbody>
</table>

One of:

- ARTH*1510 [0.50] Art Historical Studies I
- ARTH*1520 [0.50] Art Historical Studies II

One of:

- SART*2090 [0.50] Drawing I
- SART*2200 [0.50] Painting I
- SART*2460 [0.50] Printmaking I
- SART*2610 [0.50] Photography I
- SART*2700 [0.50] Digital Media I
- SART*2710 [0.50] Digital Media II

One of:

- SART*2300 [0.50] Sculpture I
- SART*2800 [0.50] Extended Practices I

1.00 additional credits in Art History including at least 0.50 credits at the 3000 level or above.

1.00 additional credits in Studio Art including at least 0.50 credits at the 3000 level or above.

0.50 additional credits in either Studio Art (SART) or Art History (ARTH) courses.

**Notes:**

1. 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.

2. 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.

**Theatre Studies (THEST)**

School of English and Theatre Studies, College of Arts

**Notes:**

1. 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.

2. 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.
The Theatre Studies program is a component of a liberal education, and is dedicated to integrating academic study and theatre practice. The program offers introductory and advanced courses that combine theory and practice with an emphasis on educating well-rounded theatre creators for both the academic and professional spheres. Students will have the opportunity to work on both scripted and devised productions and do in-depth research and analysis. Rather than a focus on individual disciplines such as acting, directing, design and technical theatre, the program integrates this knowledge into a series of variable topic courses that examine performance from various perspectives. Many of these courses have presentational or performance outcomes.

Notes:

1. A maximum of 2.00 credits in Directed Readings or Special Studies Courses (THST*3000, THST*3600) 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.

Certain approved Dramatic Literature courses from the English Program within the School of English and Theatre Studies or other departments may be counted towards a degree in Theatre Studies. A list of approved courses may be obtained from the School’s website: http://www.arts.uoguelph.ca/sets/.

2. In connection with THST*1040 and some upper-level courses, 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.

3. In any given semester, a student may not enroll in more than ONE production-related course at a time. These include: THST*2190, THST*3190, THST*4280.

Area of Concentration (General Program)

A minimum of 5.00 credits in Theatre Studies is required, including:

- THST*1040 [0.50] Introduction to Performance
- THST*1190 [0.50] Theatre Workshop I
- THST*1270 [0.50] Theatre Research I
- THST*2050 [0.50] Devising
- THST*2270 [0.50] Theatre Research II
- THST*3170 [0.50] Special Topics

1.00 additional credit in THST at the 2000 level or above
1.00 additional credit in THST at the 3000 level or above

Major (Honours Program)

A minimum of 8.50 credits in Theatre Studies is required, including:

- THST*1040 [0.50] Introduction to Performance
- THST*1190 [0.50] Theatre Workshop I
- THST*1270 [0.50] Theatre Research I
- THST*2050 [0.50] Devising
- THST*2190 [1.00] Theatre Workshop II
- THST*2270 [0.50] Theatre Research II
- THST*3170 [0.50] Special Topics
- THST*4270 [0.50] Research Seminar I
- THST*4280 [1.00] Ensemble Project

1.00 additional credit in THST at the 2000 level or above
2.00 additional credits in THST at the 3000 level or above

Minor (Honours Program)

A minimum of 5.00 credits in Theatre Studies is required, including:

- THST*1040 [0.50] Introduction to Performance
- THST*1190 [0.50] Theatre Workshop I
- THST*1270 [0.50] Theatre Research I
- THST*2050 [0.50] Devising
- THST*2270 [0.50] Theatre Research II
- THST*3170 [0.50] Special Topics

1.00 additional credit in THST at the 2000 level or above
1.00 additional credit in THST at the 3000 level or above