ACADEMIC INFORMATION

Each Faculty has assigned Academic Counsellors to work closely with students throughout the year. For more detailed information about hours of operation and for scheduling appointments, please see Academic Counselling for each of the Faculties in the ‘Undergraduate Programs’ section, starting on p. 7. Information in this guide is subject to change without notice. Please check the Academic Calendar for up to date information.

**ACADEMIC INFORMATION**

**English Language Proficiency**

Each student granted admission to Western must be proficient in spoken and written English. Students must demonstrate the ability to write clearly and correctly. Work presented in English in any subject, at any level, which shows a lack of proficiency in English is unacceptable for academic credit. Such work will either be failed or, at the discretion of the instructor, returned for revision to a literate level.

To foster competence in the use of the English language within their own discipline, all instructors will take proficiency in English into account in the assignment of grades.

**The First Year Program**

The first year program lets you choose courses from different subjects. You do not select a specific degree program until the end of your first year; this program provides you with maximum choice in your first year.

Registrants in the first year general program must select:
- 5.0 courses numbered 1000 - 1999
- At least 10 course must be selected from each of two of Categories A, B, and C (See page 77). The 5.0 courses must include at least four different subjects with no more than 2.0 courses in one subject.

Before graduation, at least 10 course from each of Categories A, B, and C must be taken (see page 77). Students are encouraged to take an essay course in first year.

**Faculty of Registration**

To permit appropriate counselling and guidance, first year students entering Arts and Humanities, Science, and Social Science are registered in a specific Faculty that is in accordance with their stated degree objective.

The Faculty of registration in which you are placed in first year does not limit your future choices. After first year, your Faculty of registration will be determined by your module/program selection. Please see the 2017 Academic Calendar for further information.

Summer Academic Orientation services are available to help you choose courses that fulfil the prerequisites for senior modules and programs.

**Main Campus Course Residency Guidelines**

If you are a main campus student, you:
- cannot enrol in an Affiliated University College course if the same course is also taught on the main campus;
- cannot enrol in more than 1.0 course per session at an Affiliated University College.

If you are a part-time student, and are taking only one course, you cannot take the course at an Affiliated University College.

**EXCEPTIONS**

1. Foods and Nutrition students may take more than 10 Human Ecology, Foods and Nutrition, or Family Studies course at an Affiliated University College.
2. First Year students who are taking Social Work 1021A/B and 1022A/B in partial fulfilment of the admission requirements for the Social Work program.
3. In September, you may ask the Dean’s Office of your Faculty for special permission that grants you an exception to this regulation.
Graduation Requirements for Honors Bachelor Degrees (Four-Year)

The requirement for graduation from the Honors Bachelor degree is successful completion of 20.0 courses subject to the following general conditions and the specific conditions established by each Faculty or Affiliated University College.

GENERAL REQUIREMENTS

First Year Requirements
Satisfactory completion of 5.0 courses numbered 1000 - 1999. At least 1.0 course must be selected from each of two of Categories A, B, and C (see page 77). The 5.0 courses must include at least four different subjects with no more than 2.0 courses in one subject.

Module Requirements
The Honors Bachelor Degree must include at least an Honors Specialization module or Double Major modules. The Honors Specialization module or each Double Major module must be completed with a minimum cumulative average of 70% and a minimum mark of 60% in each course of the module. Any additional Major or Minor modules taken within the degree must be completed with a minimum cumulative average of 60%. In exceptional circumstances, a student who completes the Honors Specialization module with an average of at least 68% and a mark of at least 60% in each course of the module may graduate with an Honors degree only with the permission of the Dean on the recommendation of the Department concerned. No concessions are allowed for average and mark requirements for graduation with Double Major modules in an Honors Bachelor degree. The majority of the courses in each module must be completed through Western University.

Average Requirements
Minimum mark and average requirements must be met for each module. See “Module Requirements” above.
A mark of at least 50% must be achieved in each of the 20.0 courses used to fulfill graduation requirements.
An overall average of at least 65% must be achieved in the 20.0 successfully completed courses used to fulfill graduation requirements.

Senior Course Requirements
At least 13.0 senior courses (numbered 2000 - 4999) must be completed satisfactorily.
At least 1.0 senior course (numbered 3000 - 4999) must be completed satisfactorily in each Major module leading to an Honors Bachelor Degree – Double Major.

Essay Course Requirements
Satisfactory completion of at least 2.0 designated essay courses, at least 1.0 of which must be senior level (numbered 2000 - 4999). The 2.0 essay courses must be completed through Western University or through one of its Affiliated University Colleges.
Exception: Students who are admitted with 10.0 advanced standing credits are required to complete 1.0 designated senior essay course (numbered 2000 - 4999) through Western University or one of the Affiliated University Colleges.

Residency Requirements
Of the 20.0 required courses used to fulfill graduation requirements, a minimum of 15.0 courses must be completed through Western University or one of the Affiliated University Colleges. A maximum of 5.0 courses may be taken at another university on a Letter of Permission or on Exchange.
Exception: Transfer students who are admitted with advanced standing must complete a minimum of 10.0 courses including at least 5.0 senior courses (numbered 2000 - 4999) through Western University. The majority of courses in each module must be completed through Western University or one of the Affiliated University Colleges.

Breadth Requirements
At least 1.0 course from each of Categories A, B, and C must be included (see page 77).
No more than 14.0 courses in one subject may be counted among the 20.0 successfully completed courses used to fulfill graduation requirements.

Additional Requirements for the Honors Bachelor of Science Degree and the Honors Bachelor of Medical Sciences Degree
For the Honors Bachelor of Science Degree and the Honors Bachelor of Medical Sciences Degree, the general requirements listed above for Honors Bachelor Degrees must be met, in addition to the following Science Course Requirements:

Of the 20.0 courses required for the Honors Bachelor of Science Degree and the Honors Bachelor of Medical Sciences Degree, at least 11.0 must be from the offerings of the Faculty of Science or approved* courses from the Schulich School of Medicine & Dentistry.

Students registered in a Science Major or Basic Medical Science Major combined with a Geography Major (in an Honors Bachelor of Science degree) may count approved courses in Geography (see the notes regarding Geography Major modules for details) towards the 11.0 “science” course requirement.

For other purposes, the Geography courses will be considered in Category A.

Approved courses are those under Medical Sciences in Category C. Except for courses in Pathology and Epidemiology and Biostatistics completed prior to May 2005, these courses may be used to meet the science breadth requirement of any degree.

Graduation Requirements for Bachelor Degrees (Four-Year)

The requirement for graduation from the Bachelor Degree (Four-year) is successful completion of 20.0 courses subject to the following general conditions and the specific conditions established by each Faculty or Affiliated University College.

GENERAL REQUIREMENTS

First Year Requirements
Satisfactory completion of 5.0 courses numbered 1000 - 1999. At least 1.0 course must be selected from each of two of Categories A, B, and C (see page 77). The 5.0 courses must include at least four different subjects with no more than 2.0 courses in one subject.

Module Requirements
The Bachelor Degree (Four-Year) must include at least a Specialization module or at least one Major module. The Specialization module or Major module must be completed with a minimum cumulative average of 60%. Any additional Major or Minor modules taken within the degree must be completed with a minimum cumulative average of 60%. The majority of courses for each module must be completed through Western University.

Average Requirements
The minimum average requirements for each module must be met. See “Module Requirements” above.
A mark of at least 50% must be achieved in each of the 20.0 courses used to fulfill graduation requirements.
A cumulative average of at least 60% must be achieved in the 20.0 successfully completed courses used to fulfill graduation requirements.

Senior Course Requirements
At least 13.0 senior courses (numbered 2000 - 4999) must be completed satisfactorily.
Graduation Requirements for Bachelor Degrees (Three-Year)

The requirement for graduation from the Bachelor Degree (Three-Year) is successful completion of 15.0 courses, subject to the following general conditions and the specific conditions established by each Faculty or Affiliated University College.

GENERAL REQUIREMENTS

First Year Requirements
Satisfactory completion of 5.0 courses numbered 1000 - 1999. At least 1.0 course must be selected from each of two of Categories A, B, and C (see page 77). The 5.0 courses must include at least four different subjects with no more than 2.0 courses in one subject.

Module Requirements
The Bachelor Degree (Three-Year) must include at least a Major module or two Minor modules. The Major module or each Minor module must be completed with a minimum cumulative average of 60%.

Any additional Major or Minor modules taken within the degree must be completed with a minimum cumulative average of 60%. The majority of courses for each module must be completed through Western University.

Average Requirements
The minimum average requirements for each module must be met. See “Module Requirements” above.

A mark of at least 50% must be achieved in each of the 15.0 courses used to fulfill graduation requirements.

A cumulative average of at least 60% must be achieved in the 15.0 successfully completed courses used to fulfill graduation requirements.

Senior Course Requirements
At least 8.0 senior courses (numbered 2000 - 4999) must be completed satisfactorily.

Essay Course Requirements
See Graduation Requirements for Honors Bachelor Degrees (Four-Year).

Residency Requirements
Of the 15.0 required courses used to fulfill graduation requirements, a minimum of 10.0 courses must be completed through Western University or one of the Affiliated University Colleges. A maximum of 5.0 courses may be taken at another university on a Letter of Permission or on Exchange.

Exception: Transfer students who are admitted with advanced standing must complete a minimum of 10.0 courses including at least 5.0 senior courses (numbered 2000 - 4999) through Western University. The majority of courses for each module must also be completed through Western University or one of the Affiliated University Colleges.

Breadth Requirements
At least 10 course from each of Categories A, B, and C (see page 77).

No more than 9.0 courses in one subject may be counted among the 15.0 courses used to fulfill graduation requirements.

Additional Requirements for the Bachelor of Science Degree (Three-Year)
For the Bachelor of Science Degree (Three-Year), the general requirements listed above for the Bachelor Degree (Three-Year) must be met, in addition to the following Science Course Requirements: Of the 15.0 courses required for the Bachelor of Science Degree (Three-Year), at least 8.0 must be from the offerings of the Faculty of Science.

Scholar’s Electives Program

The Scholar’s Electives program allows students who have demonstrated outstanding academic potential to apply to Western for admission to both a primary, discipline-based program of study and the Scholar’s Electives module. The program is designed to provide an intellectually stimulating learning environment for students who truly wish to undertake an interdisciplinary and/or laboratory research experience. Its goal is to foster a community of scholars who have diverse disciplinary and research interests, but a general intellectual curiosity about most disciplines. The program is intended primarily for students who are interested in completing a four-year Honors degree before moving on to their chosen careers.

Those selected will comprise a small group (no larger than 50-75 students per year at the constituent university) who will, in addition to their Honors degree courses, enrol in a Scholar’s Electives module comprised of 3.0 courses. The interdisciplinary courses in the Scholar’s Electives module will be taught by faculty members from more than one Faculty and expose students to significant ideas from different disciplines.

The small enrolment in the program will enable the students to connect with one another and ensure greater individual contact with faculty members. Development and staffing of the Scholar’s Electives modular courses will be the responsibility of the participating faculties.

Brescia and Huron University Colleges also offer a Scholar’s Electives program leading to a BA degree under the same conditions. Admission to the program shall be granted by the Academic Dean (Brescia University College) or Dean of Arts and Social Science (Huron University College) and, where appropriate, in consultation with the Dean(s) of the constituent university faculties involved in the proposed course of study.

Students who complete the first two years of the Scholar’s Electives Program successfully before registering in one of the HBA combined programs in the Ivey Business School may continue in the Scholar’s Electives Program and receive this designation at graduation.

While the primary benefit of enrolling in Scholar’s Electives is the flexibility to achieve personal and unique academic goals, there are a number of ancillary benefits associated with the program. Scholar’s Electives students will have the benefit of being paired with a Faculty mentor in Years 2 and 3. The mentor will hold regular meetings with the student to monitor the student’s progress and provide advice if necessary. Students will also have the opportunity to network and build a community with other high-achieving students through planned activities and events facilitated by both the Faculties and The Student Success Centre. The current listing of minimum admission requirements to undergraduate programs from foreign countries is maintained by the Office of the Registrar. For admission requirements of international applicants, please refer to the International Students admission policy in the Admission section in the Academic Calendar.
Admission Requirements

Students apply for admission to the Scholar’s Electives program prior to registration in first year of a BA, BHSc, BMSc or BSc degree program. Scholar’s Electives is a limited enrolment program, open to full-time students who qualify for membership as Western Scholars by having at least a 90% admission average. Selection will be determined by a Selection Committee on the basis of grades and personal accomplishments, such as demonstrated achievement beyond the classroom and community contributions, as detailed on a supplementary admissions form.

Western Scholars Program

The purpose of the Western Scholars designation is to recognize students’ outstanding academic achievement and to provide opportunities for program enrichment. High-achieving students entering first year are eligible to become members of the honors society referred to as Western Scholars. Western Scholars are invited to participate in extracurricular activities where they are exposed to a variety of cultural, social, and academic events, and are offered opportunities to participate in volunteer activities in the community.

Western Scholars are encouraged to pursue Honors Bachelor degrees. Although there is no requirement that Western Scholars take honors level options, they are encouraged to select challenging courses that meet their academic needs.

The Western Scholars designation is noted on the student’s internal academic record, official transcript, and degree diploma.

Eligibility Requirements

Students entering full-time study at the University with averages of at least 90% or equivalent are invited to be recognized as Western Scholars prior to the beginning of their first year as part of the registration process. Students with equivalent levels of achievement who are entering with an International Baccalaureate or who have been admitted as international students or transfer students are also eligible.

Distance Studies

In the spring/summer and fall/winter sessions, a wide variety of distance studies courses are offered. Designed for independent study, these courses include:

» Online courses that let you participate in class discussion, work together on joint projects, and submit assignments from your home computers

» Interactive web-based courses

Distance Studies courses retain certain aspects of on-campus courses—e.g., due dates for assignments and fixed dates for tests and examinations—but they are designed to free you from the demands of attending classes at specific times and from the restriction of geographical location. For information on exam centres, call 519-661-2100.

French Immersion School

Campus Office: WSSB Rm 1100D
www.frenchimmersion.uwo.ca
Tel: 519-661-3637

Western’s French Immersion School attracts participants from all over Canada, the United States, Latin America and other parts of the world, who wish to upgrade their education or pursue a professional or personal goal. The Trois-Pistoles French Immersion School offers students an experience of a lifetime: a complete immersion environment, so that they not only learn French, but live the language and the culture. University-level courses in French language, including oral French, are offered at all levels, from beginner to advanced.

Accommodation and meals are provided by specially-selected host families. You may choose either the spring or the summer five-week session. Full-time students (those taking at least 60% of a full course load) may be eligible for a bursary through the Explore Bursary Program to cover most of the costs. Contact the French Immersion School office on campus for details.

Adding and DroppingCourses

Courses normally may not be added and dropped after the specified deadline dates. In exceptional cases and on presentation of evidence of medical or compassionate grounds or other extenuating circumstances, the Dean (or designate) of the faculty of registration may grant a petition to waive the regulation.

The Office of the Registrar, in consultation with the academic community and appropriate administrative offices, will determine all applicable sessional dates which will be maintained on the Registrar’s Office website in the Academic Calendar.

Once online registration ends, a course may be added or dropped only with the joint approval of the Dean (or designate) of the Faculty in which the student is registered and the Chair (or designate) of the Department concerned.

A course that has been dropped by the last date specified for adding a course shall be expunged from the records. A course that has been dropped after the last date specified for adding a course but before the last date for dropping a course without academic penalty (or subsequently, if a petition is granted by the Dean) shall be recorded as “WDN”.

A course that has not been dropped in accordance with the above regulations and that has not been completed satisfactorily by the student shall be recorded as “F”.

FULL COURSES (1.0) AND FULL-YEAR HALF-COURSES (0.5)

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<thead>
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<td>November 30</td>
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<td>(day and evening)</td>
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<td>Intersession</td>
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<td>8</td>
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<tr>
<td>Summer Evening</td>
<td>5</td>
<td>19</td>
</tr>
<tr>
<td>Summer Day</td>
<td>2</td>
<td>8</td>
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HALF-COURSES (0.5)

(Numbers of Business Days from and including the start date of the session)

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<td>7</td>
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</tr>
<tr>
<td>(day and evening)</td>
<td></td>
<td>Term 2: Mar. 7</td>
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Progression Requirements

Progression Requirements are designed to assist a student in improving his/her grades over time so that she/he may attain the required average for graduation or for entrance to and continuation in honors or other specialized programs. Progression requirements establish the minimum requirements for a student to continue at the University but the expectation is that a student will aspire to excellence and seek to achieve results well above the minimum requirements for his/her programs.

The Adjudication Process involves the assessment of a student’s eligibility to progress at the University and/or enter or remain in a program. As part of the adjudication process, progression requirements will be checked twice a year during two adjudication periods: the May adjudication period based on marks obtained during the Fall/Winter term (for the September - December and January - April sessions) and the July - August adjudication period based on marks obtained during the Summer term (Intersession, Summer Evening and Summer
Day sessions). Student records for those registered for the term are evaluated/adjudicated to ascertain if a student meets the progression requirements: (a) to remain in good standing at the University, (b) of his/her current program, and/or (c) for entrance to another proposed program in which she/he has indicated an Intent to Register.

Average Calculation for progression requirements includes both a term (sessional) and a cumulative average for all applicable courses. Average calculations INCLUDE failed grades. All grades below 50% are considered failures. Grades below 40% will be included in average calculations as 40%, grades from 40%-49% will be included as the actual grade reported.

A Course Attempt is a course registration that is not dropped by the last day to drop deadline date in the Undergraduate Sessional Dates in the Academic Calendar (the latest, including all revisions, will be found on the Office of the Registrar website). The last day to drop will vary according to type of course: full course, first term half course, full year half course, and second term half course. A course that is dropped by the last date for adding a course will be removed from a student’s record. A course that is dropped after the last date for adding a course but before the final day for dropping a course will be recorded as WDN (withdrawn) and is not considered a course attempt. A course that is dropped after the final day for dropping a course will be recorded as F (failure) and will receive a mark of 40% for Average Calculation purposes.

A Course Repeat is any course previously attempted and recorded at Western. A course attempt having a passing grade may be repeated only once. A course attempt having a failing grade may be repeated only twice. Further course repeats may be authorized only by the Dean of the Faculty in which the student is registered. Grades (including failures) for all course attempts will appear on the transcript and will be included in the calculation of course attempts and maximum failures allowed. All but the most recent course attempt will appear on the transcript as Repeated. No credit and will be excluded from cumulative average calculations used for progression requirements.

Progression decisions will result in an Academic Standing Status of:

In Good Standing - a student who satisfies the minimum progression requirements for continuation of study will be eligible to continue at Western.

On Probation - a student who does not satisfy the minimum progression requirements for continuation of study at Western but who will be allowed to continue at the University under Conditions of Probation. See the Academic Calendar for details.

Required to Withdraw - a student who does not satisfy the minimum Progression Requirements for continuation of study at Western and is not eligible for probation or who has exceeded the maximum number of failed courses allowed, 6.0 courses, will be Required to Withdraw from the University for a minimum of twelve months. A student who has been Required to Withdraw from the University and whose academic standing has been jeopardized by serious medical or personal difficulties may, if they have sought academic accommodation in a timely manner, apply for a Dean’s Waiver of Progression Requirements. A student granted a Dean’s Waiver of Progression Requirements must meet the specific conditions imposed in the Dean’s Waiver.

Should an appeal be made to Senate on the ruling of a Dean, such an appeal shall be considered on behalf of Senate by the Senate Review Board Academic (SRBA). Two levels of progression requirements are used to assess a student’s Academic Standing Status:

Level 1 progression requirement:
A minimum cumulative average of 55% must be obtained at the first adjudication period at which the student has completed a minimum of 3.0 course attempts. If a student has completed more than 3.0 courses at the time of adjudication, marks from all courses taken will be used to calculate the cumulative average. This minimum cumulative average must be maintained for each successive adjudication period until the student reaches Level 2.

Students who satisfy this requirement will be eligible to continue study In Good Standing. Students with a cumulative average from 50-54% will continue On Probation. Students with a cumulative average less than 50% will be Required to Withdraw.

Level 2 progression requirement:
A minimum cumulative average of 60% must be obtained at the first adjudication period at which the student has completed a minimum of 8.0 course attempts. If a student has completed more than 8.0 courses at the time of adjudication, marks from all courses taken will be used to calculate the cumulative average. This minimum cumulative average must be maintained for each successive adjudication period until the student graduates*.

Students who satisfy this requirement will be eligible to continue study In Good Standing. Students with a cumulative average from 55-59% will continue On Probation. Students with a cumulative average less than 55% will be Required to Withdraw.

Maximum number of failures allowed is 6.0 courses.

*Note: averages required for graduation may differ. Consult the Academic Calendar for more detail on Western progression requirements.

Degree Structure/Module Combinations
A module is a collection of courses that define an area of study. The number of courses included in the module is defined by the amount of specialization in the topic. All courses included in the module are designated by a Department, Faculty, or Affiliated University College.

Modules
- Honors Specialization (9.0 or more specified courses)
- Specialization (9.0 or more specified courses)
- Major (6.0 - 7.0 specified courses)
- Minor (4.0 - 5.0 specified courses)

Note: Not all departments offer all these Modules.

The modular degree structure affords the opportunity to combine various subjects from different Departments and Faculties. The chart below shows how modules can be combined in the three different types of degrees offered. The modules taken must fit within these degree structures. See Faculty and Department listings for details. Combinations other than those listed below have not been approved; consequently, they may not be taken. Enrollment in some modules may be limited.
Modules may be combined in three different degrees:

a) The Honors Bachelor Degree (Four-Year) - (20.0 courses)
15.0 courses after first year, including at least an Honors Specialization or a Double Major, as follows:
- Honors Specialization (9.0 or more courses);
- This may be combined with a Major or a Minor or option(s)
- Major (6.0 - 7.0) plus a Major (6.0 - 7.0) plus option(s) (3.0 - 1.0); This combination requires two Major Modules

b) The Bachelor Degree (Four-Year) - (20.0 courses)
15.0 courses after first year, including at least a Specialization module or a Major Module as follows:
- Specialization (9.0 or more courses);
- This may be combined with a Major or a Minor or option(s)
- Major (6.0 - 7.0) plus a Major (6.0 - 7.0) plus option(s) (3.0 - 1.0)

c) The Bachelor Degree (Three-Year) - (15.0 courses)
10.0 courses after first year, including at least a Major Module or a Double Minor as follows:
- Major (6.0 - 7.0) plus Minor(s) or option(s)
- Major (6.0 - 7.0) plus option(s)

### DEGREE STRUCTURE/MODULE COMBINATIONS

<table>
<thead>
<tr>
<th>DEGREE TYPE</th>
<th>AVAILABLE MODULE COMBINATIONS</th>
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<tr>
<td>The Honors Bachelor Degree (4-year)</td>
<td>Honors Specialization</td>
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<td>15.0 courses after first year</td>
<td>Honors Specialization-Major</td>
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<td>Honors Specialization-Minor</td>
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<tr>
<td>The Bachelor Degree (4-year)</td>
<td>Specialization</td>
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<td>Specialization-Major</td>
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<td>Major-Minor</td>
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<tr>
<td>The Bachelor Degree (3-year)</td>
<td>Major</td>
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<td>10.0 courses after first year</td>
<td>Major-Minor</td>
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<td>Minor-Minor</td>
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</tbody>
</table>

### COURSE REGISTRATION

**About Web Registration**

Course registration is done online through the Student Center ([student.uwo.ca](http://student.uwo.ca)). Also available through the Student Center is Western’s Draft My Schedule tool which students can use to assist in building a personalized conflict-free timetable.

**STEP 1: ACCESS YOUR STUDENT CENTER**

Access your Student Center ([student.uwo.ca](http://student.uwo.ca)) by entering your Western User ID and password. Remember to ensure that your computer cookies are enabled and your pop up blockers are set to allow pop ups from [student.uwo.ca](http://student.uwo.ca). If you have any trouble logging in to Student Center call the Student Central Helpline at 519-661-2100 (Monday to Friday 9:00 am – 4:00 pm).

**STEP 2: DETERMINE YOUR EARLIEST REGISTRATION DATE**

On the Student Center page, there is an ‘Enrollment Dates’ section to the right that displays the date and time of your enrolment appointment (when you can begin registering for classes). Select the ‘Details’ link under the ‘Enrollment Dates’ heading. The ‘Enrollment Dates’ page displays the Session you are presently in and when your enrolment start time begins and ends.

**STEP 3: USE DRAFT MY SCHEDULE TO COMPLETE A CONFLICT-FREE TIMETABLE**

You will need the subject and course number or 4- or 5-digit class number to register in each course. Use Draft My Schedule to create timetables with possible alternative courses.

**STEP 4: REGISTER IN COURSES**

1. On Student Center, under the ‘Academics’ section, click on ‘Enroll in Classes’
2. Enter the class number or use ‘Search for class’ to find a course by subject and/or course number
3. Select the appropriate class and lab/tutorial components, if necessary.
4. Select ‘Next’ to add class to the ‘Course Enrollment’ Worksheet
5. Click on ‘Proceed to Step 2 of 3’ to confirm
6. Click ‘Finish Enrolling’
7. Review the results for errors or warnings
8. Select ‘My Class Schedule’ to view course(s) successfully added

Visit our How to Guides section for a Step by Step guide to Registration ([registrar.uwo.ca/general-information/how_to_guides](http://registrar.uwo.ca/general-information/how_to_guides))
The following section lists the specific course requirements for entry into the second (or higher) year of 3-year degrees, 4-year degrees, 4-year honors degrees, and professional programs. General admission and progression requirements are in the Academic Information section. The admission requirements for first year that are listed in this section are the requirements for students who present the OSSD or its equivalent.

**SCHOOL FOR ADVANCED STUDIES IN THE ARTS & HUMANITIES**

www.uwo.ca/arts/SASAH  ▶  Weldon Library 109  ▶  519-661-3043

The School for Advanced Studies in the Arts and Humanities is the flagship of the Faculty of Arts and Humanities. This advanced liberal arts program offers a high-calibre cohort of national and international students a unique and intensive undergraduate experience that combines interdisciplinary study, language acquisition, experiential learning, interaction with digital technologies and international travel and exchange. The Program’s goal is to offer an enriched, transformative experience: to educate the imaginations of cultural citizens and research leaders who will creatively address future global challenges.

**MODULE** | **PREREQUISITE COURSES**
--- | ---
Major in Arts and Humanities | Acceptance into the School for Advanced Studies in the Arts and Humanities and completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses including Arts and Humanities 1020E with a minimum grade of 75%, plus 2.0 additional courses, with no mark in these principal courses below 60%.
### COMBINED B.A. HONORS AND HBA PROGRAM

This combined degree program allows students to develop a deep knowledge of an academic field within the Faculty of Arts and Humanities and business, making for a strong career foundation. The combined program is a five-year program leading to an HBA and a BA Honors in one of the Honors Specialization modules offered in the Faculty of Arts and Humanities.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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<tbody>
<tr>
<td>Honors Specialization in Arts and Humanities/HBA</td>
<td>To be eligible for consideration for admission to the combined program, within the first two years students must complete a minimum of 10.0 courses, with a weighted average of 75%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into Honors Specialization module offered by the Faculty of Arts and Humanities.</td>
</tr>
</tbody>
</table>

### CLASSICAL STUDIES

Classical Studies is an exploration of the ancient Mediterranean civilizations of Greece and Rome. Since the Greek and Roman worlds are the foundation of modern society, Classical Studies is not simply a study of the past. Contemporary debates about justice, freedom, human rights, the position of women in society and many other issues are rooted in antiquity. By examining the ancient world, we can address the fundamental question of who we are today and why. We take an interdisciplinary approach, embracing ancient language, history, literature, philosophy, material culture, and archaeology. Our program comprises two kinds of courses; some consider major aspects of the ancient world (literature, history, archaeology) through translations of the ancient written sources and archaeological evidence. Others focus on reading Ancient Greek and Latin texts in the original languages. The interdisciplinary nature of Classical Studies makes it an ideal component of a Double Major with complementary fields in the Faculty of Arts and Humanities and other faculties.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Classical Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Classical Studies 1000 and Greek 1000 or Latin 1000 plus 1.0 additional course, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in Classical Studies Specialization in Classical Studies</td>
<td>Completion of first-year requirements, including Classical Studies 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Classical Studies</td>
<td>Completion of first-year requirements. Classical Studies 1000 is recommended. With permission of the Department, students may have the Classical Studies 1000 requirement waived in those courses for which it is normally a prerequisite.</td>
</tr>
<tr>
<td>Minor in Greek and Latin Literature</td>
<td>Completion of first-year requirements. Classical Studies 1000 is recommended. With permission of the Department, students may have the Classical Studies 1000 requirement waived in those courses at the 2000 level or above for which it is normally a prerequisite.</td>
</tr>
<tr>
<td>Minor in Greek and Roman Archeology Minor in Greek and Roman History</td>
<td>Completion of first-year requirements, including Greek 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Greek</td>
<td>Completion of first-year requirements, including Greek 1000 and Latin 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Greek and Latin</td>
<td>Completion of first-year requirements, including Latin 1000 with a mark of at least 60%.</td>
</tr>
</tbody>
</table>

### ENGLISH AND WRITING STUDIES

In English you can discover just why the classics have stood the test of time, taking courses that range from Shakespeare to Michael Ondaatje. Or you can pursue your passion for popular culture, with classes in Fantasy, Science Fiction, Detective Fiction, and Children’s Literature. But English is more than the study of great books. We offer many opportunities to hone your creative and dramatic skills in our Creative Writing workshops, Annual Fall Drama Production, and courses at the Stratford Festival Theatre. The study of English provides students with a valuable knowledge of language, literature, and culture; highly-developed communication skills, both oral and written; and training in archival and digital research, creative problem solving, critical analysis, and persuasive argumentation.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in English Language and Literature Specialization in English Language and Literature</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from English 1000 to 1999 plus 2.0 additional courses with no mark in these principal courses below 60% (Principal courses refers to the next two courses with the highest grades).</td>
</tr>
</tbody>
</table>
### Theatre Studies

Theatre Studies at Western offers students a unique opportunity to study drama, theatre, and performance from a wide range of perspectives in a fully interdisciplinary program. Focused around scholarly investigations as well as practical, hands-on learning, Theatre Studies at Western enriches the pleasures of theatre-making with the rigours of theatrical scholarship, positioning students for a host of exciting careers in the Arts. Experience exciting opportunities including practical play production, trips to local live theatres, and to major theatre cities such as London (UK) or New York.

#### Module: Honors Specialization in Creative Writing and English Language and Literature

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:

a) Writing 1000F/G; and

b) 2.0 additional courses including 1.0 course from English 1020E, 1022E, 1024E, 1035E, 1036E, or both of English 1027F/G and 1028F/G, and 1.0 course from Classical Studies 1000, Film Studies 1020E, 1022, French 1900E, Philosophy 1020, Visual Arts Studio 1020, Women’s Studies 1020E or both of Women’s Studies 1021F/G and 1022F/G, Visual Arts History 1040 or two of Visual Arts History 1041A/B, 1042A/B, 1043A/B, 1044A/B and 1045A/B, the former Comparative Literature and Culture 1020.

c) 0.5 additional course. A minimum mark of 70% in Writing 1000F/G is required, with no mark below 60% in the other principal courses; and submission of:

   d) A portfolio.

#### Module: Major in English Language and Literature

Completion of first-year requirements, including 1.0 course from English 1000 to 1999 with a mark of at least 60%. Students will be eligible for an Honors BA with double major if they obtain a 70% average in the courses of each major module with no mark less than 60% in each course. No failures are permitted on options.

#### Module: Minor in English Language and Literature

Completion of first-year requirements, including 1.0 course from English 1000 to 1999 with a mark of at least 60%.

#### Module: Minor in General English

Completion of first-year requirements, including 1.0 course from English 1000 to 1999 with a mark of at least 60%. Students should consult with the Department prior to admission.

#### Module: Minor in Popular Literature and Cultural Studies

Completion of first-year requirements, including 1.0 course from English 1000 to 1999 with a mark of at least 60%.

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### Writing

In Writing you can take courses, Minors, Certificates, and Diplomas that will help hone your creative edge, develop your skill at writing business and technical documents, and enable you to speak well in public. Not only will you interact with published authors both as instructors and speakers, but also you may work on a number of publishing experiences in the community. We also offer, with English, an Honors Degree in Creative Writing and English Language and Literature that allows you to combine a passion for both reading and writing literature.

#### Module: Honors Specialization in Creative Writing and English Language and Literature

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:

a) Writing 1000F/G; and

b) 2.0 additional courses including 1.0 course from English 1020E, 1022E, 1024E, 1035E, 1036E, or both of English 1027F/G and 1028F/G, and 1.0 course from Classical Studies 1000, Comparative Literature and Culture 1020, Film Studies 1020E, Film Studies 1022, French 1900E, Philosophy 1020, Visual Arts Studio 1020, Women’s Studies 1020E or both of Women’s Studies 1021F/G and 1022F/G, Visual Arts History 1040 or two of Visual Arts History 1041A/B, 1042A/B, 1043A/B, 1044A/B and 1045A/B.

c) 0.5 additional course. A minimum mark of 70% in Writing 1000F/G is required, with no mark below 60% in the other principal courses; and submission of:

   d) A portfolio.
## English and Writing Studies

### MODULE | PREREQUISITE COURSES
---|---
**Minor in Creative Writing** | Completion of first-year requirements including 1.0 course from English 1020E, 1022E, 1024E, or English 1027F/G and 1028F/G, or Film Studies 1020E or Film Studies 1022, with a final grade of at least 60%.* *Students registering in the Minor in Creative Writing must complete Writing 1000F/G, Writing 1030F/G, or Writing 1031F/G with a grade of at least 70%, or one of Writing 2101F/G, 2121F/G (or the former 2121F/G), Writing 2111F/G or 2131F/G with a grade of at least 65%, or obtain special permission of the Department, in order to take required senior Writing courses.

**Minor in Writing Studies** | Completion of first-year requirements.* *Students registering in the Minor in Writing Studies must complete one of Writing 1000F/G, 1030F/G, or Writing 1031F/G with a grade of at least 70%, or one of Writing 2101F/G, 2121F/G (or the former 2121F/G), Writing 2111F/G or 2131F/G with a grade of at least 65%, or obtain special permission of the Department, to take required senior Writing courses.

Certificate in Writing, Certificate in Professional Communication, Diploma in Writing, Diploma in Professional Communication - visit the Academic Calendar.

### Film Studies

**MODULE | PREREQUISITE COURSES**
---|---
**Honors Specialization in Film Studies** | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Film Studies 1020E or 1022, plus 2.0 additional courses, with no mark in these principal courses below 60%.

**Major in Film Studies**

**Minor in Film Studies**

**Minor in General Cinema Studies** | Completion of first-year requirements, including Film Studies 1020E or 1022 with a mark of at least 60%.

**Specialization in Film Studies** | Completion of first-year requirements with no failures. Students must have an average of at least 60% in Film Studies 1020E or 1022.

**Film Studies**

Critically engage in the art of cinema and explore the global and historical conditions that have made cinema one of the most influential forms of visual culture. Develop strong skills in critical thinking shaped by contemporary interdisciplinary scholarship. All of our film programs offer the opportunity to study a wide range of contemporary and classic films. Narrative, documentary, experimental film and video are examined within historical, theoretical, and critical streams, with specific emphasis on the study of national cinemas. Attention to modes of film production, distribution, exhibition, and reception, places the study of cinema in larger social and political contexts.

### French Studies

**MODULE | PREREQUISITE COURSES**
---|---
**Honors Specialization in French Studies** | Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark below 60% in the 3.0 principal courses, including French 1900E or 1910 or 1999 (or permission of the Department) plus 2.0 additional courses.

**Specialization in French Studies**

**Major in French Studies**

**Minor in French Studies** | Completion of first-year requirements, including French 1900E or 1910 or 1999 with a mark of at least 60%, or permission of the Department.

**Certificate and Diploma in Business French/Certificate and Diploma in Practical French:** For details visit the Western Academic Calendar.

### Linguistics

**MODULE | PREREQUISITE COURSES**
---|---
**All Modules (Honors Specialization, Majors, Minors)** | See Inter-Faculty Departments/Modules on page 36.

**Linguistics**

For up to date module, program and course offerings please see the Academic Calendar. 2018 First Year Calendar
Our instructors are fluent in many languages and study a multitude of cultures. You can take courses in: Spanish, German, Hindi, Italian, Russian, Japanese, Arabic, Korean, Persian and Portuguese. You can also pursue degrees in Comparative Literature & Culture; Spanish, German, and Italian. No prior language training necessary. Begin at your own level and receive individual attention in small classes. You can also study abroad in Spain, Italy, Latin America and Germany.

### MODULE

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>Minor in Comparative Literature and Culture</td>
<td>Completion of first-year requirements, including 1.0 course from World Literatures and Cultures 1030 or Comparative Literature and Culture 1040 or 1050E with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Honors Specialization in German Language and Culture</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses (including 1.0 course from German 1030 or 1030WX or successful completion of Grade 12U German). World Literatures and Cultures 1030 or Comparative Literature and Culture 1040 is recommended. 2.0 additional principal courses must be taken with no mark below 60%.</td>
</tr>
<tr>
<td>Specialization in German Language and Culture</td>
<td>Completion of first-year requirements, including German 1030, 1030WX with a minimum mark of 60% or successful completion of Grade 12U German. World Literatures and Cultures 1030 or Comparative Literature and Culture 1040 is recommended.</td>
</tr>
<tr>
<td>Major in German Language and Culture</td>
<td>Completion of first-year requirements, including 1.0 course from German 1030 or 1030WX with a mark of at least 60%. Students with Grade 12U German will begin the module with German 2200.</td>
</tr>
<tr>
<td>Minor in German Language and Culture</td>
<td>Completion of first-year requirements, including 1.0 course from German 1030 or 1030WX with a mark of at least 60%. Students with Grade 12U German will begin the module with German 2200.</td>
</tr>
<tr>
<td>Major in Italian Language and Culture</td>
<td>Completion of first-year requirements, including 1.0 course from Italian 1030 or Italian 1030WX or Italian 1035 or both Italian 1045A/B and Italian 1046A/B, with a mark of at least 60%. Students with Grade 12U Italian will begin the module with Italian 2200 or Italian 2202.</td>
</tr>
<tr>
<td>Honors Specialization in Spanish Language and Hispanic Cultures</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses (including 1.0 course from Spanish 1030 or 1030WX or successful completion of Grade 12U Spanish). 2.0 additional principal courses must be taken with no mark below 60%. World Literatures and Cultures 1030 or Comparative Literature and Culture 1040 or 1050E is recommended.</td>
</tr>
<tr>
<td>Specialization in Spanish Language and Hispanic Cultures</td>
<td>Completion of first-year requirements, including 1.0 course from Spanish 1030 or 1030 WX with a minimum mark of 60%, or successful completion of Grade 12U Spanish. World Literatures and Cultures 1030 or Comparative Literature and Culture 1040 or 1050E is recommended.</td>
</tr>
<tr>
<td>Major in Spanish Language and Hispanic Cultures</td>
<td>Completion of first-year requirements, including 1.0 course from Spanish 1030 or 1030WX with a mark of at least 60%, or successful completion of Grade 12U Spanish.</td>
</tr>
<tr>
<td>Major in Spanish Language and Linguistics</td>
<td>Completion of first-year requirements, including 1.0 course from Spanish 1030 or 1030WX with a mark of at least 60% or successful completion of Grade 12U Spanish or permission of the Department.</td>
</tr>
<tr>
<td>Minor in Digital Humanities</td>
<td>Completion of first-year requirements, including Computer Science 1033A/B or Digital Humanities 1011A/B, with a mark of at least 60% or permission of the department.</td>
</tr>
<tr>
<td>Minor in Intercultural Communication for Arabic</td>
<td>Completion of first-year requirements, including Arabic 1030 or Arabic 1035 with a mark of at least 60% or permission of the Department.</td>
</tr>
<tr>
<td>Minor in Intercultural Communication for Japanese</td>
<td>Completion of first-year requirements, including Japanese 1036 with a mark of at least 60% or permission of the Department.</td>
</tr>
</tbody>
</table>

**NOTES:**

A. Eligibility for German 2200, Italian 2200, Spanish 2200, Russian 2200, Hindi 2200, Japanese 2260, Arabic 2250, Korean 2200 and Portuguese 2200: - If you have successfully completed Grade 12U in these languages, you will normally be eligible to take the 2000-level course in Year 1. Placement tests are available for most languages.

B. ‘W’ and ‘X’ language courses are full year accelerated courses offered in one term only. Permission of the Department of Modern Languages and Literatures is required for these courses.

C. Eligibility for German 2200W/X, Italian 2250WX and Spanish 2200W/X – Consult the Department of Modern Languages and Literatures to request possible special permission.
**PHILOSOPHY**  
www.uwo.ca/philosophy  
Stevenson Hall 3148  
519-661-3453

Philosophy is the study of the most basic questions that we ask, such as: What is knowledge? Are there objective moral truths? Does God exist? and, How ought I to live? Sorting through the possible answers requires skills of analysis that the study of philosophy helps to develop. These skills are portable and will help you whatever you choose to do, academically and professionally.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Philosophy</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark below 60%.</td>
</tr>
<tr>
<td>Major in Philosophy Specialization in Philosophy</td>
<td>Completion of first year requirements. 1.0 course from Philosophy 1020, 1022E, 1100E, 1130F/G, 1200, 1350F/G is recommended.</td>
</tr>
<tr>
<td>Minor in Philosophy Minor in Philosophy of Science Minor in Ethics</td>
<td>Completion of first-year requirements.</td>
</tr>
</tbody>
</table>

Certificate in Ethics / Diploma in Ethics: For details visit the Academic Calendar.

**VISUAL ARTS**  
www.uwo.ca/visarts  
John Labatt Visual Arts Centre 200  
519-661-3440

Western combines the study of art history and theory with lively, contemporary art production. What sets Western apart is our commitment to integrating art theory with studio work from the very beginning of your studies. Our goal is to graduate visually literate students with the technical and intellectual ability to create new forms of visual culture. In our programs you can focus primarily on either art production or history, or combine the two. We also offer a curatorial stream of courses that focus on the skills and knowledge needed to work as a gallery or museum curator or arts administrator.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Art History and Museum Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B or VAH 1045A/B, with a minimum grade of 60% in each course.</td>
</tr>
<tr>
<td>Honors Specialization in Art History and Studio Art</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Visual Arts Studio 1020 or VAS 1025, and 1.0 course from either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B or VAH 1045A/B, with a minimum grade of 60% in each course.</td>
</tr>
</tbody>
</table>

**Bachelor of Fine Arts, Honors Specialization in Studio Arts**

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses including:
- a) Visual Arts Studio 1025 or VAS 1020;
- b) 1.0 course from two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B and VAH 1045A/B;
- c) 1.0 additional course.

There may be no mark less than 70% in either VAS 1025 or VAS 1020 and no mark less than 60% in 1.0 from two VAH 1041A/B - 1045A/B and the 1.0 additional principal course. Students seeking admission to VAS 1025 directly from high school must submit a portfolio of their studio work for Department assessment as part of the University admission process. Students who are accepted and who meet the admission requirements listed above will be admitted to the BFA program without the need of another portfolio review at the end of the VAS 1025 course.

Students applying from high school who have taken a special Grade 12 Studio Practice Program may be eligible to enroll in 1.0 VAS 2000-level course(s) in their first year of studies in lieu of VAS 1025 with permission from the Department. Students must still take 5.0 first-year courses and are expected to complete that requirement by the end of their second year. Students admitted to VAS 1020 may still enter the BFA program provided they meet the admission requirements listed above and submit a portfolio of work for approval toward the end of the second term of the VAS 1020 course.

An average of 70% with no mark less than 60% in VAS courses must be maintained for progression.

<table>
<thead>
<tr>
<th>Module</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>Major in Art History Major in Museum and Curatorial Studies</td>
<td>Completion of first-year requirements including 1.0 course from either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B and VAH 1045A/B, with a minimum grade of 60% in each course.</td>
</tr>
<tr>
<td>Major in Art History and Studio Art Minor in Art History and Studio Art</td>
<td>Completion of first-year requirements including Visual Arts Studio 1020 or VAS 1025, and 1.0 course from either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B or VAH 1045A/B, with a minimum grade of 60% in each course.</td>
</tr>
<tr>
<td>Specialization in Visual Arts</td>
<td>Completion of first-year requirements, including Visual Arts Studio 1020 or Visual Arts Studio 1025 and 1.0 course from either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B and VAH 1045A/B, with a mark of at least 60% in each course, or permission of the Department.</td>
</tr>
</tbody>
</table>
### MODULE

<table>
<thead>
<tr>
<th>Module</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>All Modules (Honors Specialization, Majors, Specialization, Minors)</td>
<td>See Inter-Faculty Departments/Modules on page 36.</td>
</tr>
</tbody>
</table>

### ADDITIONAL MODULES

<table>
<thead>
<tr>
<th>Module</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
</table>
| Major in Medieval Studies  
Minor in Medieval Studies  
(Interdisciplinary Module) | Completion of first-year requirements, including 1.0 course from Medieval Studies 1022 or both of Medieval Studies 1025A/B and 1026A/B, with a mark of at least 60%. Students should consult with the Academic Counselling Office of the Faculty of Arts and Humanities prior to admission. |
For up to date module, program and course offerings please see the Academic Calendar

2018 First Year Calendar

www.eng.uwo.ca

Spencer Engineering Building; Thompson Engineering Building; Claudette MacKay-Lassonde Pavilion, Three C+

Dean: A. Hrymak, P. Eng.
Associate Dean (Undergraduate Studies): F. Michael Bartlett, P. Eng.

Academic Counselling
Spencer Engineering Building 2097; 519-661-2130
Mondays and Wednesdays 9:00 am - 11:30 am and 2:00 pm - 3:30 pm by appointment.

Admission Requirements

Required
Six Grade 12U or M level courses including:
- English (ENG4U)
- Chemistry (SCH4U)
- Physics (SPH4U)
- Advanced Functions (MHF4U)
- Calculus and Vectors (MCV4U)
- One additional 4U or 4M level course from any discipline (not co-op)
for a total of six courses.

Degree Offered
- Bachelor of Engineering Science (BESc): 4-year

Combined Programs Available
- Engineering and Business
- Engineering and Law
- Engineering with Major Modules from the Faculties of Science, Social Science or Arts and Humanities
See www.eng.uwo.ca for more information

Programs Available
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Green Process Engineering
- Integrated Engineering
- Mechanical Engineering
- Mechatronic Systems Engineering
- Software Engineering
- Engineering Leadership and Innovation Certificate

Graduate Degrees
- Master of Engineering (MEng)
- Master of Engineering Science (MESc)
- Doctor of Philosophy (PhD)

Engineering Co-Op Programs
Engineering students may wish to partake in the Internship Program or the Summer Engineering Co-Op Program or both. Students enrol online in the fall of the year in which they wish to participate.

Internship Program
Western’s Internship Program allows qualified students the opportunity to pursue career-related positions in the private or public sector for 12 to 16 months after completion of their second last year in the Engineering Program. This Internship Program is available to students in all undergraduate programs in the Faculty. Students who accept an Internship placement will receive transcript notations (ES3351, ES3352, ES3353 and ES3354) depending on the length of their work term. Upon graduation, student transcripts will identify their degree as Bachelor of Engineering Science in XXX with Professional Internship. In addition to the practical experience and competitive salary gained through the internship, a maximum of 12 months of this employment may be used towards the four years experience required for licensing as a Professional Engineer in the Province of Ontario.

Any student who is completing the second last year of an Engineering program and has a 65% average may enrol in the Internship Program. Please note that participation in this program will delay graduation by one year. A special tuition is charged to students in the Internship Program.

Summer Engineering Co-Op
The Summer Engineering Co-Op Program assists undergraduate students to find career-related summer employment. This program complements the Internship Program and will allow students the opportunity to gain practical work experience during the summer months.

This optional program is available to all full-time undergraduate students in the Faculty of Engineering who enrol with Engineering Career Services and maintain a 65% average, and are returning to Engineering full-time during the following academic year. Students interested in the Summer Engineering Co-Op Program must apply on-line in the fall of the year in which they wish a summer placement. Students who accept a summer engineering co-op placement will receive a transcript notation (ES 1150, ES 2250, ES 3350, ES 4450 – depending on their year of registration) in the summer term in which they participate. A small administrative fee will be charged for the successful placement in a position.

For more information on Engineering Co-Op Programs see www.eng.uwo.ca/coop or contact Engineering Career Services, SEB Room 2086; Western University, London, ON N6A 5B9; 519-661-2111 ext. 88359; wecareer@uwo.ca

Engineering Excellence Admission Program
Western Engineering will guarantee your acceptance into the engineering program of your choice after first year if you meet the requirements outlined on our website: www.eng.uwo.ca

First Year Program
Full-year courses: Applied Mathematics 1413, Engineering Science 1050 and Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B.
(Two of the half courses are taken in each term as scheduled).
**Chemical Engineering**

Chemical engineering is a versatile discipline broadly based upon physical and life sciences. Today the world faces significant challenges due to increasing populations, air, water and soil pollution, and world-wide energy and food shortages. Chemical engineers are well positioned through their training to address and find solutions to these challenges. The Department of Chemical and Biochemical Engineering at Western is nationally and internationally celebrated for its strong academic program, well renowned award-winning professors and state-of-the-art teaching and research facilities. The Department of Chemical and Biochemical Engineering at Western offers two options for undergraduate students: (1) Chemical Engineering; (2) Biochemical and Environmental Engineering.

**Civil Engineering**

Civil and environmental engineers use applied and cutting-edge science to design, build and maintain essential infrastructure such as: housing, airports, roads, bridges, hydro-electric dams, water supply and wastewater treatment systems. Civil engineers also mitigate natural disasters and solve problems that result from industrialization and resource consumption. The Department of Civil and Environmental Engineering at Western is renowned for its excellence, nationally and internationally, due to its outstanding academic curricula, award-winning professors and state-of-the-art facilities. The Department of Civil & Environmental Engineering at Western offers four options for undergraduate students: (1) Civil and Structural Engineering; (2) Civil and Environmental Engineering; (3) Environmental Engineering and International Development; (4) Structural Engineering and International Development.

**Computer Engineering**

Computer engineering is the most rapidly evolving discipline in engineering, partially due to the application of computers themselves. Computer engineering deals with the design of hardware elements and building of computer systems of various levels of complexity. These systems may vary from high performance parallel supercomputers to special servers that operate computer networks, to micro devices that will operate the next generation of home appliances. The goal of computer engineering at Western is to provide students with a foundation of knowledge by integrating a variety of theoretical and practical experiences at every level throughout the curriculum. The two Computer Engineering options at Western Engineering are: (1) Electronic Devices for Ubiquitous Computing and (2) Software Systems for Ubiquitous Computing.

**Electrical Engineering**

Electrical engineering is a diverse, fast growing and vibrant field of engineering. It includes power generation, transmission and distribution, control and communication systems, electronics, robotics and many others. The profession is represented in virtually all sectors of modern industry. Advances in electrical engineering have transformed Canada into a leading high-tech economy in the world. Electrical engineers are involved in the process of creating, developing, integrating, sharing, and applying knowledge about electrical, computer and information technologies and sciences for the benefit of humanity. The Department of Electrical and Computer Engineering at Western offers four options for undergraduate students: (1) Electrical Engineering; (2) Power Systems; (3) Wireless Communication; (4) Biomedical Signals and Systems.

**Green Process Engineering**

Engineering has always been a caring profession with a focus on design and innovation to respond to the pressing needs of society. Western’s Green Process Engineering program is an emerging discipline that addresses environmentally friendly chemical products and processes by reducing pollutants at the source. It applies innovative process engineering tools to design sustainable and safe chemical processes based on alternative product design and improved process efficiencies by reducing waste generation. The program also explores alternative sources of energy with reduced carbon emissions. Western’s Green Process Engineering program is the first of its kind in Canada. The basic objective of the program is to combine and integrate the fundamental principles of chemical engineering to design commercial products and processes that are safe, economical and environmentally friendly. Some of the distinguishing features of the program include the emphasis on green chemistry, green power, solar and bio-fuel cells, and conversion of waste (such as agricultural byproducts) to bio-diesel and bio-ethanol products.

**Integrated Engineering**

Western’s Integrated Engineering Program prepares graduates to succeed as leaders in a world where technology is increasingly interdisciplinary. To meet this need, our recently redesigned Integrated Engineering program incorporates fundamentals from several engineering disciplines rather than concentrating on one. Western Integrated Engineering graduates excel in management, are fluent in the languages of multiple engineering disciplines and are cognizant of innovation solutions. Unique in Canada, our Integrated Engineering curriculum incorporates case-method engineering innovation courses plus core courses from civil, chemical, electrical, and mechanical engineering. The program prepares graduates to fill the technological innovation gap through work in almost any industry.

**Mechanical Engineering**

Mechanical and materials engineering is one of the broadest engineering disciplines and its products are found everywhere. Mechanical engineers research, develop, design, manufacture, and test tools, engines, machines, robots and other mechanical devices and systems. The Department of Mechanical and Materials Engineering at Western focuses on a broadly based mechanical and materials engineering education that stresses fundamental engineering concepts, contemporary design practices, development of interpersonal skills and interaction with engineering practitioners. Opportunities are available for senior students to participate in real design and construction projects where they can work closely with faculty and industry partners to apply knowledge and leadership skills.

**Mechatronic Systems Engineering**

Mechatronics is the combination of mechanical, electrical, computer, control, and systems design engineering to create useful products. The combination of these engineering principles helps generate simpler, more economical, reliable and versatile systems. Our program is unique in its multi-year design focus. Throughout the program, students take core courses in electrical and computer engineering as well as core courses in mechanical and materials engineering. In addition to these core concepts, students receive specialized instruction in mechatronic design principles through a three-year design curriculum, as well as specialized instruction in robotics and advanced sensing.

**Software Engineering**

Software engineering is the application of engineering concepts, principles and practices to the development of software systems. It is a disciplined and rigorous approach for developing software systems that range from everyday applications to mission and safety critical applications that are dependable and cost-effective. Software engineering deals with building, maintenance, and the evolution of software systems. It emphasizes the applied aspects of software-based technologies, from idea to final product. Western’s program offers a solid foundation in computer hardware and computer networks and explores the technology of computer science.

Graduates acquire the management skills necessary to lead a software team that can engineer software systems that meet specified requirements of industrial quality and professional standards. Teamwork and entrepreneurship are also emphasized in our Software Engineering program. Laboratories are equipped with the latest tools and products used by software engineers in industry.
Dean: J. Garland
Associate Dean (Undergraduate): K. Danylchuk
Associate Dean (Graduate): R. Martin
Associate Dean (Research): K. Shoemaker

This faculty comprises the Schools of Communication Sciences and Disorders, Occupational Therapy, Physical Therapy, Kinesiology, Nursing, and Health Studies. Please refer to the individual program sections for more information.

HEALTH STUDIES

Explore the many facets of health and wellness at all stages in the human life cycle. Students pursuing a Bachelor of Health Sciences in the School of Health Studies study the influences on the health and wellness of individuals.

Students who enrol in this program are exposed to alternative career paths in addition to traditional paths in professional programs. The School of Health Studies offers a variety of options and is especially attractive to students interested in a health field, whether in a professional capacity such as Physical or Occupational Therapy, Speech-Language Pathology, Audiology, Medicine or Law, Health Promotion or managerial roles. Experiential learning and practica are available both locally and globally.

With proper academic planning using the available Academic Counselling service, students can potentially add majors or minors with their core program of study in areas of interest that complement future career directions.

Academic Counselling
519-661-4119; 8:30 am - 4:00 pm (Monday - Friday)
Room 222, Labatt Health Sciences Building;
Appointments and drop-in times available

Admission Requirements

Required
Six Grade 12U and/or M level courses including:
- English (ENG4U)
- Biology (SBI4U)
- One of: Advanced Functions (MHF4U), Calculus and Vectors (MCV4U), Math of Data Management (MDM4U)

Recommended
- Chemistry Grade 12U (SCH4U)
- Students considering the Honors Specialization in Health Sciences with Biology will need Chemistry SCH4U in order to fulfill the first year Chemistry requirements of the module.

Note that enrolment in the program is limited and meeting minimum requirements does not guarantee admission.

Degrees Offered
- Bachelor of Health Sciences (BHSc): 3-year, 4-year and 4-year Honors
- Combined Degree Program: A combined program is offered in Health Sciences and Honors Business Administration

<table>
<thead>
<tr>
<th>MODULE</th>
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<tbody>
<tr>
<td>Honors Specialization in Health Sciences</td>
<td>Completion of first-year requirements with no failures. Students must have a minimum grade of 70% in each of Health Sciences 1001A/B and 1002A/B, a minimum grade of 60% in each of Biology 1201A and 1202B (or Biology 1001A and 1002B), and a minimum cumulative average of 70%.</td>
</tr>
<tr>
<td>Honors Specialization in Health Sciences - Health and Aging</td>
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<tr>
<td>Honors Specialization in Health Sciences - Health Promotion</td>
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</tr>
<tr>
<td>Honors Specialization in Rehabilitation Sciences</td>
<td>Registration in the School of Health Studies. Completion of year one course requirements with no grade less than 60%. Students must have a minimum grade of 70% in each of Health Sciences 1001A/B and 1002A/B, a minimum grade of 60% in each of Biology 1201A and 1202B (or Biology 1001A and 1002B), and a minimum cumulative average of 70%. Enrolment is limited. Meeting the minimum requirement does not guarantee admission.</td>
</tr>
<tr>
<td>Honors Specialization in Health Sciences with Biology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% with no grade less than 60% in 4.0 principal courses: Health Sciences 1001A/B and 1002A/B (with a minimum grade of 70%), Biology 1001A or 1201A and Biology 1002B or 1202B, Chemistry 1301A/B and 1302A/B; 10 course from: Applied Mathematics 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B. If not completed in first year, the mathematics requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Major in Rehabilitation Sciences</td>
<td>Registration in the School of Health Studies. Students must have a minimum cumulative average of 65%, with a minimum grade of 60% in each of: Health Sciences 1001A/B and 1002A/B, and Biology 1001A or 1201A and Biology 1002B or 1202B. Enrolment is limited. Meeting the minimum requirement does not guarantee admission.</td>
</tr>
<tr>
<td>Specialization in Health Sciences</td>
<td>Completion of first-year requirements. Students must have a minimum cumulative average of 65%, with a minimum grade of 60% in each of: Health Sciences 1001A/B and 1002A/B, Biology 1001A or 1201A and Biology 1002B or 1202B, 1.0 additional course.</td>
</tr>
<tr>
<td>Major in Health Sciences</td>
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<tr>
<td>MODULE</td>
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<tr>
<td>Minor in Health Sciences</td>
<td>Completion of first-year requirements including: Health Sciences 1001A/B with a mark of at least 60%; Health Sciences 1002A/B with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Rehabilitation Sciences</td>
<td><strong>For students in the School of Health Studies</strong></td>
</tr>
<tr>
<td></td>
<td>Registration in the School of Health Studies. Completion of year one course requirements with no grade less than 60%. Students must have an average of at least 70% in the 5.0 course load and 70% in each of the principal courses including: Health Sciences 1001A/B and 1002A/B, and Biology 1001A or 1201A and Biology 1002B or 1202B. Enrolment is limited. Meeting the minimum requirement does not guarantee admission.</td>
</tr>
<tr>
<td></td>
<td><strong>For students in the School of Kinesiology</strong></td>
</tr>
<tr>
<td></td>
<td>Registration in the School of Kinesiology. Completion of year one course requirements with no grade less than 60%. Students must have an average of at least 70% in the 5.0 course load and 70% in each of the principal courses including Kinesiology 1070A/B or the former 1088A/B, and Kinesiology 1080A/B and Physiology 1021/Physiology 2130. Enrolment is limited. Meeting the minimum requirement does not guarantee admission.</td>
</tr>
<tr>
<td>Minor in Foods and Nutrition (offered through Brescia University College)</td>
<td>Completion of first-year requirements in the Health Sciences, Kinesiology, Biology or Biomedical Sciences program with an average of 70% and no failures. Students must have an average of at least 70% in 3.0 courses including Foods and Nutrition 1021 with a mark of at least 70%, and Chemistry 1301A/B and 1302A/B, or the former 1100A/B and 1200B, 1050, 1020 with a mark of at least 60%. Enrolment is limited and meeting the minimum requirements does not guarantee acceptance into the module.</td>
</tr>
<tr>
<td>Combined Honors Bachelor of Health Sciences/Honors Business Administration</td>
<td>To be eligible for admission consideration for the combined program, students must complete all requirements for the first two years of the BHSc program; obtain a minimum two-year (ten credit) average of 80%, and achieve a minimum 70% grade in Business Administration 2257. Demonstrated participation in extra curricular and/or community activities, leadership and work experience are also required.</td>
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</table>
The synergy between an active mind and body is the soul of Western’s School of Kinesiology, located within the Faculty of Health Sciences. The School of Kinesiology ensures a balanced approach to discovering and exploring the uniqueness of human movement through both bioscientific and social cultural inquiry. This includes studying the structures, mechanics and functions of body parts involved in postponed movement and the associated mental, emotional and cultural factors. Field placement and independent research is offered in upper years in areas such as sport management, coaching, sport injuries, and fitness. Students are well positioned to pursue a broad spectrum of traditional careers in environments such as fitness, wellness/health exercise, sport, as well as professional and graduate degrees such as Physical Therapy, Occupational Therapy, Law, Medicine, Education, Chiropractic, and much more.

**Academic Counselling**
3M Centre 2225; 519-661-3086

**Admission to First Year**
Required
Six Grade 12U and/or M level courses including:
- English (ENG4U)
- Biology (SBI4U)

Recommended
- A Grade 12U-Level Math and Grade 11 or 12U-level Physics are recommended to prepare for senior Kinesiology subjects in biomechanics, research methods and statistics.
- It is strongly recommended that students interested in the BSc take an additional Science course from: Chemistry (SCH4U), Calculus & Vectors (MCV4U), Advanced Functions (MHF4U), or Physics (SPH4U).
- Chemistry (SCH4U) is a prerequisite for first year Chemistry courses.

**Degrees and Diplomas Offered**

**Honors Degrees**
- Honors Specialization in Kinesiology - BSc*
- Honors Specialization in Kinesiology - BA
- Honors Double Major - BA
- Honors Specialization in Kinesiology - Sports Management - BA*
- Honors Specialization in Kinesiology - Fitness and Exercise Prescription- BA*
- Honors Specialization in Professional Kinesiology

*Limited enrolment program

**Bachelor Degrees**
- Major in Kinesiology - BA 4 year
- Major in Kinesiology - BA 3 year

**Additional Modules**
- Rehabilitation Sciences (major and minor)
- Foods & Nutrition (minor) (offered through Brescia University College)

Kinesiology Honors Specialization and Majors can be combined with Majors and/or Minors offered by other Faculties and Departments.

**Combined Degrees (two separate degrees)**
- Bachelor of Arts Honors Kinesiology - Sport Management & Honors Bachelor of Business Administration (5 Years)
- Music, Foods & Nutrition, Nursing, Engineering Science

**Diplomas**
- Diploma in Pedorthics (in collaboration with Western Continuing Studies and the Pedorthic Association of Canada)

**Undergraduate Program Information**

Students registered in the School of Kinesiology who achieve a 70% average with no grade less than 60%, and a modular* average of 70% with no grade less than 60% on a 5.0 course load will be guaranteed admission to second year (Honors Specialization in Kinesiology - BA).

Those students who do not meet the above progression requirement will be ranked by the School of Kinesiology and offers of admission will be made until the program is filled. Meeting the minimum requirements does not guarantee admission into the following limited enrolment Kinesiology modules: Honors Specialization in Kinesiology - BSc, Sport Management, and Fitness and Exercise Prescription.

*Modular average includes Kin 1070A/B, 1080A/B, Physiology 1021 plus 1.0 additional course.

The laboratory or practicum sessions of several courses are very vigorous. It is recommended that students have a medical check up to ensure that their health status permits engagement in vigorous activity. Students with health problems must inform the Kinesiology Undergraduate Program Office, and provide appropriate medical support documentation.

**Additional Program Requirements:**
1. All Kinesiology students must complete Standard First-Aid and CPR level C. For further information see First-Aid and Cardio-Pulmonary Resuscitation Certification.
2. All Kinesiology students must comply with University policies on Breadth Requirements, Essay Designated Course Requirements, and Graduation Requirements.

**Honors Bachelor of Arts / Bachelor of Arts**

Students in the Bachelor of Arts program can select an Honors Specialization or Major module. These modules focus on a broader orientation of kinesiology from both BioScience and Sociocultural areas including athletic injuries, psychology, fitness appraisal, sociology, biomechanics, philosophy, anatomy, history, exercise physiology, sport management, ergonomics and sport law.

**Honors Bachelor of Science**

The Honors Specialization Bachelor of Science module in Kinesiology focuses more closely on the bioscientific orientation of exercise physiology, biomechanics, sport injuries, and anatomy components of the program. Students will also be required to select Faculty of Science elective courses which rely on high school science prerequisites and first year university science courses.

**Honors Bachelor of Arts - Sports Management**

The curriculum of this specialization has been designed to incorporate sport management and complementary interdisciplinary courses including introduction to sport management, organizational behaviour, sport marketing, international sport marketing and field experience.

**Honors Bachelor of Arts - Fitness & Exercise Prescription**

This module is designed for those students who wish to become more knowledgeable and competitive as exercise and fitness specialists. Course selections will allow students to focus on the socio-cultural and bioscience factors relating to understanding and prescribing exercise.

**Honors Bachelor of Arts - Professional Kinesiology**

The Honors Specialization in Professional Kinesiology specifically addresses the knowledge requirements of a registered Kinesiologist, focusing on core elements of the profession—the principles of biomechanics, anatomy, physiology and psychomotor behaviour to improve health; the promotion of physical activity and workplace health and safety; the prevention and management of injury, chronic disease and disability; and the overall improvement of health and performance. Through this curriculum, students will be well prepared for a dynamic career in Kinesiology, and for those who choose to do so after graduation, to write the Ontario provincial Kinesiology certification examination.
<table>
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<tbody>
<tr>
<td><strong>Honors Specialization in Kinesiology - BA</strong>&lt;br&gt;Major in Kinesiology - BA</td>
<td>Completion of first year requirements with no course grade less than 60% on a full course load. Students must have an average of at least 70% in the 5.0 course load and 70% in 3.0 principal courses, including Kinesiology 1080A/B and Kinesiology 1070A/B, Physiology 1021, plus 10 additional course, with no mark in these principal courses below 60%. Note: The Bachelor degree in Kinesiology is a limited enrolment program. More competitive academic standing may be required when demand exceeds enrolment capacity. Admission to the module is restricted to students registered in the School of Kinesiology.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Kinesiology - BSc</strong></td>
<td>Completion of first year requirements with no course grade less than 60% on a full course load. Students must have an average of at least 70% in the 5.0 course load and 70% in 4.0 principal courses, with no mark in these principal courses below 60%, including: Kinesiology 1080A/B and Kinesiology 1070A/B, Physiology 1021, and 2.0 courses from the subject areas of Biology, Chemistry, Physics, Mathematics as follows: Biology 1001A or 1201A or Biology 1202B, Chemistry 1301A/B and 1302A/B, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Applied Mathematics 1201A/B, Mathematics 1120A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Physics 1028A/B or 1301A/B or 1501A/B and 1029A/B or 1302A/B or 1502A/B. Note: The Honors Specialization in Kinesiology - BSc is a limited enrollment program. More competitive academic standing may be required when demand exceeds enrolment capacity. Admission to the module is restricted to students registered in the School of Kinesiology.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Kinesiology - Fitness and Exercise Prescription - BA</strong></td>
<td>Completion of first-year requirements with no course grade less than 60% on a full course load. Students must have an average of at least 70% in the 5.0 course load and 70% in 3.0 principal courses, including Kinesiology 1080A/B, Kinesiology 1070A/B, Physiology 1021, plus 10 additional course. Admission to the module is restricted to students registered in the School of Kinesiology. Students must be registered in first-year Kinesiology and declare the program during the February Intent to Register period. The BA Honors Specialization in Fitness and Exercise Prescription is a limited enrollment program. More competitive academic standing may be required when demand exceeds enrolment capacity. Additional supplementary information: All applicants must submit an experience profile reflecting on leadership and training skills. Full details and forms will be available on the Kinesiology website. All submissions must be received no later than April 30 of the year. Note: Students are advised to meet with the Kinesiology Academic Counsellor to facilitate planning and preparation for future course selections.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Kinesiology - Sport Management - BA</strong></td>
<td>Completion of first-year requirements with no course grade less than 60% on a full course load. Students must have an average of at least 70% in 5.0 course load and 70% in 3.0 principal courses, with no mark in these principal courses below 60%, including: Kinesiology 1080A/B and Kinesiology 1070A/B, Physiology 1021, and Business Administration 1220E. Note: 1. The Honors Specialization in Kinesiology - Sport Management is a limited enrolment program. More competitive academic standing may be required when demand exceeds enrolment capacity. Admission to the module is restricted to students registered in the School of Kinesiology. 2. The admission, progression requirements and course selections for the “Honors Specialization in Kinesiology - Sport Management” and the “Combined Bachelor of Arts Honors Specialization in Kinesiology-Sport Management / Honors Bachelor of Arts in Business Administration” are not the same. Students are admitted into one program or the other and must follow the program requirements accordingly.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Professional Kinesiology</strong></td>
<td>Completion of first year requirements with no course grade less than 60% on a full course load. Students must have an average of at least 70% in the 5.0 course load and 70% in 3.0 principal courses, including Kinesiology 1070A/B and 1080A/B, Physiology 1021, Statistical Sciences 1023A/B or 1024A/B, plus 0.5 additional course, with no mark in these principal courses below 60%. Note: The Honors Specialization in Professional Kinesiology is a limited enrolment program. More competitive academic standing may be required when demand exceeds enrolment capacity. Admission to the module is restricted to students registered in the School of Kinesiology.</td>
</tr>
<tr>
<td><strong>Major In Rehabilitation Sciences</strong>&lt;br&gt;<strong>Minor in Rehabilitation Sciences</strong></td>
<td>Registration in the School of Kinesiology. Completion of year one course requirements with no grade less than 60%. Students must have an average of at least 70% in the 5.0 course load and 70% in each of the principal courses including Kinesiology 1070A/B, Kinesiology 1080A/B, and Physiology 1021 or Physiology 2130. Enrolment is limited. Meeting the minimum requirement does not guarantee admission.</td>
</tr>
<tr>
<td><strong>Minor in Foods and Nutrition</strong></td>
<td>Students must achieve at least a 70% average on 5.0 credits, with no course grade less than 60% and at least a 70% average in 4.0 principal courses, including: Kinesiology 1080A/B and 1070A/B, Physiology 1021, Foods &amp; Nutrition 1021 (mark of at least 70%) and Chemistry 1301A/B and 1302B. Enrolment is limited.</td>
</tr>
<tr>
<td><strong>Combined BA Program in Honors Specialization in Kinesiology (Sport Management) and Honors Business Administration (Ivey)</strong></td>
<td>Applicants must be designated Faculty of Health Sciences, School of Kinesiology main campus students. Kinesiology 1080A/B and 1070A/B, Physiology 1021, 3.0 courses numbered 1000-1999 from other Western Faculties/ programs (Business Administration 1220E is recommended). To be eligible for admission consideration for the combined program, students must complete all requirements for the first two years of the BA Honors Specialization in Kinesiology, obtain a minimum two-year (ten credit) average of 80% and achieve a minimum 70% grade in Business Administration 2257. Demonstrated participation in extra curricular and/or community activities, leadership and work experience are also required. In addition, students must complete the HBA1 year with a weighted rounded average of 78%. Enrolment in this module is limited.</td>
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</table>
The first two years of the Western-Fanshawe collaborative BScN program are offered simultaneously at both Western and Fanshawe campuses, with 125 students at each site. All students will study at the Western campus in years three and four. The final term of year four is 456 hours of clinical experience. The first year of the program focuses on people’s experience with health with an emphasis on health assessment and nurses’ work.

**Academic Counselling**
D. Litzan, Collaborative BScN
M. Wagler, Compressed Time Frame BScN
FIMS & Nursing Building 3306
519-661-3395

**Western-Fanshawe Collaborative Nursing Program**
This is a 4-year program. This program qualifies graduates to apply for registration as a professional nurse with The College of Nurses of Ontario.

**Admission Requirements**

- **Required**
  - Six Grade 12U and/or M-level credits, including the following with a minimum of 65% in each:
    - English (ENG4U)
    - Biology (SBI4U)
    - Chemistry (SCH4U)
    - One of: Grade 11U Functions (MCR3U) or Grade 11M Functions & Applications (MCF3M).
  
  Note: if you do not meet the minimum Math requirement in the Grade 11 courses, we will check for a minimum of 65% in one of:
    - Advanced Functions, MHF4U
    - Calculus and Vectors, MCV4U
    - Math of Data Management, MDM4U

  The Grade 12 Nursing admission average is based on six Grade 12U and/or M level courses including the prerequisites of English-ENG4U, Biology-SBI4U, Chemistry-SCH4U and your next highest three Grade 12U/M level courses (not co-op). In order to be considered for admission students should strive to achieve an average in the high 80s to low 90s.

**Note:** Possession of published minimum requirements does not guarantee admission. Priority consideration shall be given, all other things being equal, first to Canadian citizens and permanent residents from Ontario, and second to Canadian citizens and permanent residents from other Canadian provinces. Special consideration given to CIDA.

**Application Deadline**
February 15

**Immunization**
While in the program, students must submit documentation of immunization and tuberculin status. Students in Health Sciences may be exposed to patients with Hepatitis “B” and/or HIV. If you are admitted to the program, you will receive complete documentation about health status policies, immunization requirements, and other non-medical requirements.

**First Year Timetable**
Nursing 1060A/B Foundational Concepts of Professional Nursing I, Nursing 1160A/B Foundational Concepts of Professional Nursing II, Nursing 1070A/B Health Promotion and Caring for Self, Colleagues and Clients I, Nursing 1170A/B Health Promotion and Caring for Self, Colleagues and Clients II, Nursing 1080A/B Holistic Health Assessment I, Nursing 1180A/B Holistic Health Assessment II; Health Sciences 2330A Human Anatomy, Physiology 1020 Human Physiology; Writing 1030F/G Writing for Professional Success in Nursing

**Undergraduate Degrees**
- Western-Fanshawe Collaborative BScN program
- Compressed Time Frame (BScN)

**Graduate Degrees**
- Master of Science in Nursing (MScN)
- Master of Nursing (MN)
- Doctor of Philosophy (PhD)
Information technologies directly affect every aspect of our daily lives—the way we learn, consume, do business, construct communities and engage in leisure and cultural activities. These technologies impact the way we think, create, relate to others, and behave. They shape our world—or do we shape our world using these technologies?

Undergraduate Student Services
Mon - Fri 8:30am - 12:00pm and 1:00pm - 4:00pm, FNB 2001
519-661-3542; Email: mit@uwo.ca
Academic counselling through SAO is mandatory for all first-year FIMS students.

MEDIA, INFORMATION AND TECHNOCULTURE (MIT)

Explore the nature and impact of communications technologies in today’s world. Become an informed and critical analyst of our media and image-saturated social environment. Examine the convergence of information technologies, as print, video and audio join together in cyberspace to create new methods of communication and information dissemination. In this program you will take courses that develop your media and information literacy. You will also discover how media content is derived, filtered, edited, produced, owned, and presented in its various cultural forms.

Admission Requirements

Required
Six Grade 12U and/or M level courses including:
- English (ENG4U)

Limited Enrollment

Admission to the senior years of all MIT modules is competitive and is limited to the capacity of the program. To be eligible for admission, students must complete 5.0 first-year courses with no failures. However, students registered in FIMS who complete 5.0 first-year courses with an average of at least 70% and a minimum grade of 65% in the required MIT first-year courses will be guaranteed admission to second year of the Major in MIT. The Faculty then ranks all remaining first-year MIT students who apply to second year and fulfill the minimum admission requirements, and makes offers of admission until the program is filled to capacity. Possession of the minimum requirement does not guarantee admission to a module in MIT.

Internships

Eligible third- and fourth-year students may complete internship placements in media or information-related fields. These can be completed over a term during the academic year or over the summer. MIT interns gain valuable hands-on skills and training and use their experience to establish connections with future employers. In previous years, MIT students have completed internships with Rogers Television, MLSE, Canadian Living Magazine, and Sony Music.

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<tbody>
<tr>
<td>Honors Specialization in Media, Information and Technoculture</td>
<td>Completion of all first-year requirements with no failures. Students must have an average of at least 72% in 4.0 principal courses, with no mark in any principal course below 60%, and including a minimum grade of 70% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and MIT 1025F/G.</td>
</tr>
<tr>
<td>Major in Media, Information and Technoculture</td>
<td>Completion of all first-year requirements with no failures. Students must have an average of at least 68% in 4.0 principal courses, including a minimum grade of 65% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and MIT 1025F/G.</td>
</tr>
<tr>
<td>Minor in Media, Information and Technoculture</td>
<td>Completion of first-year requirements, with an average of at least 65%. Completion of 0.5 course from Media, Information and Technoculture 1050A/B is recommended. Note: Admissions decisions for the Minor in MIT are finalized after students have completed a first year program.</td>
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MEDIA, INFORMATION & TECHNOCULTURE

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</tr>
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<tr>
<td>Honors Specialization in Media, Information and Technoculture (MIT) and Honors Business Administration (HBA)</td>
<td>Students apply for the combined program during their HBA1 year. Admission to the combined program is competitive and limited. Students must complete all requirements for the first two years of the Honors Specialization in MIT, obtain a minimum two year average of 80% with no failures, and achieve a minimum 70% in Business Administration 2257. Demonstrated participation in extra curricular and/or community activities, leadership and work experience are also admission criteria. Students applying to the ivey Business School’s Advanced Entry Opportunity (AEO) are also eligible to be considered for the combined program.</td>
</tr>
</tbody>
</table>

MEDIA AND THE PUBLIC INTEREST (MPI)

Are you concerned with issues of equity, justice, democracy, and citizenship? Learn about the interaction between media institutions and social movements. Study the relation of communication practices to issues of equity, democracy, and civic inclusion. In the Media and the Public Interest program you will examine the interrelations of power, communications, and technology in the context of the expanding range of media activities and analysis by contemporary social movements.

While other programs of media studies may lead to professional work in media industries, business careers, or legal specializations, the Media and the Public Interest degree is particularly aimed at those who plan to work with communication issues in civil society movements, the non-profit sector or the public service. Enrolment in MPI is available to a limited number of students after completion of one year of successful study in MIT.

Admission Requirements

Modules in Media and the Public Interest are only available to students after completion of all first-year MIT requirements.

Note: Admission to the senior years of all MPI modules is competitive and is limited to the capacity of the program. Possession of the minimum requirements does not guarantee admission.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Media and the Public Interest</td>
<td>Completion of all first-year requirements with no failures. Students must have an average of at least 72% in 4.0 principal courses, with no mark in any principal course below 60%, and including a minimum grade of 70% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and MIT 1025F/G.</td>
</tr>
<tr>
<td>Major in Media and Public Interest</td>
<td>Completion of all first-year requirements with no failures. Students must have an average of at least 68% in 4.0 principal courses, including a minimum grade of 65% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and MIT 1025F/G.</td>
</tr>
</tbody>
</table>
LINGUISTICS
www.uwo.ca/linguistics  ▶ University College 3125 ▶ 519-661-2163

Co-Director Arts and Humanities: I. Paul
Department of French Studies - UC 3125
linguistics-ah@uwo.ca

Co-Director Social Science: T. Granadillo
Anthropology Department - SSC 3408
linguistics-ssc@uwo.ca

Linguistics is the scientific and humanistic study of language. This inter-disciplinary program will familiarize you with the analytical tools needed to understand the internal functioning of language, as well as the historical and social variations in language. Through Linguistics you will become acquainted with applications of linguistic theory in areas such as child language acquisition, second language acquisition, and language change and variation. In addition, studying Linguistics will let you explore provocative and interdisciplinary concepts such as: the ‘innateness’ of human language, language evolution and extinction, machine language and human language, individual and social views of language, language correctness and even the idea of a melodious language.

MODULE PREREQUISITE COURSES

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Linguistics</td>
<td>Completion of first year with at least 75% average and a minimum mark of 60% in 3.0 principal courses including Anthropology 1027A/B and Linguistics 1028A/B. Students beginning Linguistics after first year may substitute Linguistics 2288A/B in place of Anthropology 1027A/B. Students must consult with one of the program Co-directors prior to admission. Enrolment in this module is limited. Meeting the minimum requirements does not guarantee admission.</td>
</tr>
<tr>
<td>Major in Linguistics</td>
<td>Completion of first-year requirements, including Anthropology 1027A/B and Linguistics 1028A/B with a mark of at least 60%. Students beginning Linguistics after first year may substitute Linguistics 2288A/B in place of Anthropology 1027A/B.</td>
</tr>
</tbody>
</table>

WOMEN’S STUDIES AND FEMINIST RESEARCH
www.uwo.ca/womens  ▶ Lawson Hall 3260 ▶ 519-661-3759

Explore the dynamics that shape your everyday experiences as a gendered person in contemporary culture. In our courses you will learn how to develop a critical perspective that takes factors such as sex, gender, sexuality, race, class and disability into account. You might find your worldview transformed as you apply these perspectives to your study in other classes and, in fact, to all aspects of your life. Our courses reflect an expanding field of feminist research including feminist theories, sexuality studies, critical race studies, masculinities, health, queer and legal issues, violence against women and children, equity, feminist global issues, and women in creative arts.

Note: Women’s Studies is a department in both Faculty of Arts and Humanities, and Faculty of Social Science. Therefore, students may count Women’s Studies 1020E or 1021F/G and 1022F/G as either a Category A or B credit, when considering their breadth requirements. Students must complete first-year requirements to be eligible for these modules.

MODULE PREREQUISITE COURSES

<table>
<thead>
<tr>
<th>MODULE</th>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in Women’s Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses: Women’s Studies 1020E, or any two of Women’s Studies 1021F/G, Women’s Studies 1022F/G, Women’s Studies 1023F/G and Women’s Studies 1024F/G, plus 2.0 additional courses, with no mark in these principal courses below 60%. Students beginning Women’s Studies after first year may substitute Women's Studies 2240F/G or Women's Studies 2250E in place of Women's Studies 1020E and take it concurrently with their second-year courses.</td>
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<tr>
<td>MODULE</td>
<td>PREREQUISITE COURSES</td>
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<tr>
<td>Honors Specialization in Global Gender Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses: 1.0 course from Women's Studies 1020E, 1021F/G, 1022F/G, 1023F/G, 1024F/G; 1.0 course from Centre for Global Studies 1021F/G, 1022F/G, 1023F/G, plus 1.0 additional course, with no mark in these principal courses below 60%. Note: Students beginning this module after first year may substitute Women's Studies 2240F/G in place of Women's Studies 1020E and take it concurrently with their second–year courses. Students should note the language requirement for graduation in this module when selecting first year courses.</td>
</tr>
<tr>
<td>Major in Sexuality Studies</td>
<td>Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or any two of Women's Studies 1021F/G and 1022F/G and 1023F/G and 1024F/G) with a mark of at least 60%, or permission from the department.</td>
</tr>
<tr>
<td>Major in Women's Studies Specialization in Women's Studies</td>
<td>Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or any two of Women's Studies 1021F/G, 1022F/G, 1023F/G, and 1024F/G) with a mark of at least 60%. Students beginning Women's Studies after first year may substitute Women's Studies 2240F/G or Women's Studies 2250E in place of Women's Studies 1020E and take it concurrently with their second-year courses.</td>
</tr>
<tr>
<td>Minor in Women's Studies Minor in Feminist, Queer, and Critical Race Theory</td>
<td>Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or any two of Women's Studies 1021F/G, Women's Studies 1022F/G, Women's Studies 1023F/G, and Women's Studies 1024F/G) with a mark of at least 60%, or permission of the Department. Students beginning Women's Studies after first year may substitute Women's Studies 2240F/G or Women's Studies 2250E in place of Women's Studies 1020E and take it concurrently with their second-year courses.</td>
</tr>
<tr>
<td>Minor in Sexuality Studies</td>
<td>Completion of first-year requirements, including Comparative Literature and Culture 1023 or 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or any two of Women's Studies 1021F/G and Women's Studies 1022F/G and Women's Studies 1023F/G and Women's Studies 1024F/G) with a mark of at least 60%, or permission of the Department.</td>
</tr>
</tbody>
</table>
Admission Requirements: Bachelor of Music

Six Grade 12U/M credits, including English, ENG4U, one of which may be Grade 12U Music or equivalent Conservatory certificates (Grade IX vocal or instrumental with Grade VIII Theory) or completion of six Grade 12U and/or M level courses including ENG4U. Recommendation of the Faculty, based on an audition and interview (evidence of ability to manage the curriculum, usually manifested in at least Grade VIII performing ability). The Faculty will contact you about specific audition requirements and dates. Conservatory certificates are not required. If you are not recommended for admission to the Common First Year of BMus/BMusA programs, you may be considered for admission to the First Year of the BA (Music) program. Keyboard proficiency of at least the Conservatory grade VI level is strongly recommended. See Music 0914 in the Courses section of the Academic Calendar.

Admission Requirements: Bachelor of Arts

Six Grade 12U and/or M level courses, including:
- English (ENG4U)
* For the Music Administrative Studies program, one of: Advanced Functions (MHF4U), Calculus and Vectors (MCV4U), or Math of Data Management (MDM4U). One credit may be Grade 12U/M Music or equivalent Conservatory certificates (Grade IX vocal or instrumental with Grade III Theory).

Recommendation of the Faculty based on evidence of ability to manage the curriculum. An interview and/or audition may be required. The Faculty contacts each applicant regarding specific audition requirements and dates. Conservatory certificates are not required.

You may obtain details about audition requirements from the Admissions Officer of the Don Wright Faculty of Music or online at www.music.uwo.ca.

Limited Enrolment Program

2016
Number of applicants: 515
Number of registrants: 103
For up to date module, program and course offerings please see the Academic Calendar

### Module PREREQUISITE COURSES

<table>
<thead>
<tr>
<th>MODULE</th>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in Music</td>
<td>Recommendation of the Faculty on the basis of an interview. Completion of first-year requirements with no failures. Students must have an average of 70% or higher in 3.0 principal courses, including Music 1649A/B, 1650A/B, 1710F/G, 1711F/G, plus 10 additional course, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in Music</td>
<td>Completion of first-year requirements, including Music 1649A/B, 1650A/B, 1710F/G, 1711F/G, or permission of the Faculty.</td>
</tr>
<tr>
<td>Major in Popular Music Studies</td>
<td>Recommendation of the Faculty on the basis of an interview. Completion of first-year requirements, including a mark of at least 60% in each of the following courses: Music 1649A/B, 1650A/B, 1710F/G, 1730A/B, and 10 course from: English 1020E, 1022E, 1027F/G, 1035E, 1036E, Film Studies 1020E, 1022, CLC 1020.</td>
</tr>
<tr>
<td>Specialization in Music Administrative Studies</td>
<td>Six approved Grade 12U/M credits, including English (ENG4U), and one of the following: Advanced Functions (MHF4U), Calculus and Vectors (MCV4U), or Math of Data Management (MDM4U). Recommendation of the Faculty based on evidence of ability to manage the curriculum (usually manifest in at least Grade VIII performing ability). An interview and/or audition may be required, and the Faculty contacts each applicant regarding specific audition requirements and dates. Conservatory certificates not required. 10 course from: Economics 1021A/B and 1022A/B, or 1020 1.0 course: Management and Organizational Studies 1021A/B and 1023A/B 0.5 course from: Calculus 1000A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B 2.0 courses: Music 1649A/B, 1650A/B, 1710F/G, one of Music 1711F/G or 1730A/B. 0.5 course from: the Department of Music Research and Composition.</td>
</tr>
<tr>
<td>Minor in Music</td>
<td>Completion of first year requirements.</td>
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<tr>
<td>Minor in Dance</td>
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<tr>
<td>Western/Fanshawe Collaborative Degree/Diploma in Music Recording Arts (MRA)</td>
<td>Applicants must meet the admission requirements for the Bachelor of Musical Arts (BMusA) program, which include an audition and an interview. Up to ten students will be admitted to the collaborative Music Recording Arts (MRA) program each year. Students will apply for admission at the end of the second year of the BMusA program. Students will be evaluated for admission based on their academic standing by a joint committee from the two institutions. Attainment of minimum admission requirements does not guarantee admission to the MRA program. Entry to the collaborative program is competitive. The joint admissions committee will review requests for Advanced Standing on a case-by-case basis. Those students not offered a place in the MRA collaborative program may continue in the BMusA program, provided they meet academic progression requirements, or may apply to the Fanshawe College diploma program in Music Industry Arts. Music 0914 (if required), Music 1635A/B, 1636A/B, 1649A/B, 1650A/B, 1710F/G, 1711F/G, 1801A/B, 1920. Ensemble: One, or more, of Music 1901, 1902, 1903, 1904, 1905, 1906, 1910, 1911, 1912, 1913. 0.5 course from the Faculty of Music. 1.0 course from a Faculty other than Music.</td>
</tr>
<tr>
<td>Bachelor of Arts (Honors Specialization in Music)/Honors Business Administration</td>
<td>Students must meet normal admission requirements for both programs. Normally, students apply to the HBA program during their second year in the Bachelor of Arts (Honors Specialization Music). Students applying to the Ivey Business School's Academic Excellence Opportunity (AEO) are also eligible to be considered for the combined program. Admission is competitive and limited. To be eligible for consideration for admission to the combined program, in the first two years, students must complete all requirements for Years 1 and 2 of the Bachelor of Arts (Honors Specialization in Music), including Business Administration 2257. In the first two years, students must attain a minimum weighted average of 78%, a minimum mark of 70% in Business Administration 2257, and no mark less than 60%. They must also gain admission to the HBA program through the regular application process.</td>
</tr>
<tr>
<td>MODULE</td>
<td>PREREQUISITE COURSES</td>
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<tr>
<td>Bachelor of Arts (Major in Music)/Honors Business Administration</td>
<td>Students must meet normal admission requirements for both programs. Normally, students apply to the HBA program during their second year in the Bachelor of Arts (Music Major). Students applying to the Ivey Business School's Academic Excellence Opportunity (AEO) are also eligible to be considered for the combined program. Admission is competitive and limited. To be eligible for consideration for admission to the combined program, in the first two years, students must complete all requirements for years one and two of the Bachelor of Arts (Music Major), including Business Administration 2257. In the first two years, students must attain a minimum weighted average of 78%, a minimum mark of 70% in Business Administration 2257, and no mark less than 60%. They must also gain admission to the HBA program through the regular application process.</td>
</tr>
<tr>
<td>Bachelor of Musical Arts (Honors Music)/Honors Business Administration</td>
<td>To be eligible for consideration for admission to the combined program, in the first two years, students must complete all requirements for Years 1 and 2 of the Bachelor of Musical Arts (Honors Music), including Business Administration 2257. In the first two years, students must attain a minimum weighted average of 78%, a minimum mark of 70% in Business Administration 2257, and no mark less than 60%. They must also gain admission to the HBA program through the regular application process.</td>
</tr>
</tbody>
</table>
Admission Requirements for Medical Sciences
First Entry:
Six Grade 12U and/or M level courses including:
- English (ENG4U)
- Calculus and Vectors (MCV4U)
- Biology (SBI4U)
- Chemistry (SCH4U)
- Physics (SPH4U)

Although Western offers first year Physics courses that do not require secondary school Physics as a prerequisite, it is strongly recommended that students complete Grade 12U Physics (SPH4U).

Admission Requirements for Science:
Six Grade 12U and/or M level courses including:
- English (ENG4U)
- Calculus and Vectors (MCV4U)
- Two of: Advanced Functions (MHF4U); Biology (SBI4U); Chemistry (SCH4U); Computer and Information Science (ICS4U); Earth and Space Science (SES4U); Math of Data Management (MDM4U); Physics (SPH4U)

Note: Grade 12U Biology is required for Biology 1001A, 1002B, 1201A and 1202B, and Grade 12U Chemistry is required for Chemistry 1301A/B and 1302A/B. Please check the prerequisite courses required for your preferred modules (areas of study) to ensure you have the appropriate background.

Three-Year, Four-Year and Honors Degrees
General admission, progression and graduation requirements for the modules, and the 3-year, 4-year, and 4-year honors degrees, are listed in the Academic Information section.

Degrees Offered
- Bachelor of Arts (BA): 3-year and 4-year; 4-year Honors
- Bachelor of Science (BSc): 3-year and 4-year; 4-year Honors
- Bachelor of Science (Foods and Nutrition) [BSc(FN)]: 4-year; 4-year Honors - see Brescia University College
- Bachelor of Medical Sciences (BMSc): 4-year; 4-year Honors
- BMSc (Honors Specialization in Interdisciplinary Medical Sciences or Biochemistry) combined with HBA (Business Administration): 5-year program
- BSc Honors combined with HBA (Business Administration): 5-year program
- Diploma in Computer Science
- Diploma in Game Science Development

Graduate Degrees
- Master of Arts (MA)
- Master of Science (MSc)
- Doctor of Philosophy (PhD)
- Master of Environment & Sustainability (MES)
- Master’s in Management of Applied Science (MMASc)

Science/BMSc Internship Program
The Science/BMSc Internship Program aims to provide an 8-16 month practical science-related experience in an employment setting. All students enrolled in the 3rd year of a 4-year undergraduate Science or Basic Medical Sciences Honors Specialization, Specialization, or in a Major and Major combination (where at least one of the Majors is in Science or Basic Medical Sciences), are eligible to enrol in the Science/BMSc Internship Program, if they satisfy the eligibility requirements.

Integrated Science (WISc)
Western's Integrated Science program (WISc) is a first-entry, four-year program offered by the Faculty of Science. WISc combines unique Integrated Science courses with traditional discipline-specific courses. Year-2 WISc students will enrol in an Integrated Science Honors Specialization module administered jointly by the Faculty of Science and individual Science departments. Students who complete WISc will graduate with an “Honors Bachelor of Science in Integrated Science (with a specific discipline from the Faculty of Science).”

Combined Science/HBA Program
The completion of these combined degrees takes five academic years. Students apply for the combined degree program during the HBA 1st year, typically their third year of University. To be eligible for consideration for admission to this program, students must complete: a full first year (5.0 courses), including all the principal courses with the appropriate marks required for admission to an Honors Specialization offered by the Faculty of Science; a second year (5.0 courses), including 4.0 courses of their Honors Specialization module with a minimum average mark of 70 % and no mark less than 60 % in these modular courses, and Business Administration 2257 with a minimum mark of 70 %. Because entrance to the program is competitive and limited, students must achieve a minimum two-year (10.0 course) average of 80%. Demonstrated participation in extracurricular and/or community activities, leadership, and work experience are also taken into consideration.

Students applying to the Richard Ivey School of Business Advanced Entry Opportunity (AEO) are also eligible to be considered for the combined degree program.
In Applied Mathematics, we use mathematical and numerical methods in a diverse mix of fields. We focus on computational biology and materials physics, computer software tools for mathematical modelling, dynamical systems, mathematical biology, science computation, as well as theoretical physics.

### MODULE PREREQUISITE COURSES

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<tbody>
<tr>
<td>Honors Specialization in Applied Mathematics</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including either Calculus 1000A/B or 1500A/B, and either Calculus 1301A/B or 1501A/B plus 2.0 additional courses, with no mark in these principal courses below 60%. Mathematics 1600A/B or Applied Mathematics 1411A/B with a mark of at least 60%, is normally taken in year 1. If not taken in year 1, it must be completed in the first term of year 2. Applied Mathematics 1999F/G, while not required, will be useful to students in this module.</td>
</tr>
<tr>
<td>Honors Specialization in Mathematical Sciences</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including either Calculus 1000A/B, 1500A/B, and either Calculus 1301A/B or 1501A/B plus 2.0 additional courses, with no mark in these principal courses below 60%. Students who take Calculus 1301A/B must have a mark of at least 85% in the course. Mathematics 1600A/B or Applied Mathematics 1411A/B with a mark of at least 60%, is normally taken in year 1. If not taken in year 1, it must be taken in first term of year 2. Statistical Sciences 1023A/B is recommended.</td>
</tr>
<tr>
<td>Major in Applied Mathematics</td>
<td>Completion of first-year requirements including either Calculus 1000A/B, 1500A/B, and either Calculus 1301A/B or 1501A/B with a mark of at least 60% in each. Mathematics 1600A/B, or Applied Mathematics 1411A/B, with a mark of at least 60%, if not taken in year 1, must be taken before the second term of year 2. Applied Mathematics 1999F/G, while not required, may be useful for students in these modules.</td>
</tr>
<tr>
<td>Major in Theoretical Physics</td>
<td>Completion of first-year requirements, including either Calculus 1000A/B, 1500A/B, and Calculus 1301A/B or 1501A/B with a mark of at least 60% for each. Either Physics 1301A/B, 1401A/B or 1501A/B and either Physics 1302A/B, 1402A/B or 1502A/B with an average mark of at least 60% in the two half courses. Mathematics 1600A/B, or Applied Mathematics 1411A/B, with a mark of at least 60%. If not taken in year 1, it may also be taken in first term of year 2. This module must be taken in conjunction with a Minor or Major in Applied Mathematics; a Major in Applied Mathematics is suggested. The Major in Theoretical Physics cannot normally be completed in three years.</td>
</tr>
<tr>
<td>Major in Scientific Computing and Numerical Methods</td>
<td>Completion of first-year requirements, including either Calculus 1000A/B, 1500A/B, and either Calculus 1301A/B or 1501A/B with a mark of at least 60% in each. Computer Science 1025A/B or 1026A/B and Computer Science 1027A/B with at least 60% in each. Mathematics 1600A/B, or Applied Mathematics 1411A/B, with a mark of at least 60%, if not taken in year 1, must be taken before the second term of year 2. Applied Mathematics 1999F/G, while not required, will be useful for students in this module.</td>
</tr>
</tbody>
</table>

Note: Applied Mathematics 1413 (with a mark of at least 60%) may be substituted for the 1.0 Calculus requirement.

### BIOINFORMATICS

Utilize the power of computers to investigate solutions to a vast range of molecular biology problems. Students with interests in computer science, the biosciences, chemistry and mathematics are encouraged to consider this area of study. See Computer Science.

### BIOLOGY

Western’s Biology programs offer the opportunity for students to study aspects of life from molecular, cellular, organismal, community and global perspectives. Throughout the Biology program, students acquire not only an understanding of the concepts of Biology, but also skill sets that will serve them well for life after university. We provide hands-on lab experience in most courses and our innovative lab-only course emphasizes student input into experimental design. Students learn a variety of modern techniques and the basics of scientific communication. The success of this course has inspired the development of similar lab-only courses at the third year level in cell biology, genetics and physiology. Throughout the undergraduate program, there are opportunities for students to take their studies to the field, as Biology at Western offers a variety of field courses across North America and the World. During their fourth year of study, students have course options to work closely with faculty members on research projects giving them ample lab and field work experiences during the academic year.

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<tr>
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<tbody>
<tr>
<td>Honors Specialization in Biology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Biology 1001A or 1201A and 1020B or 1202B; Chemistry 1301A/B and 1302A/B; plus 1.0 additional course, with no mark in any of these principal courses below 60%. Physics 1028A/B or 1301A/B or 1501A/B; 1.0 course from the Mathematics list for Biology modules*. If not completed in first year, the Mathematics requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Honors Specialization in Genetics</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Biology 1001A or 1201A and Biology 1020B or 1202B; Chemistry 1301A/B and 1302A/B; Psychology 1000; plus 1.0 additional course, with no mark in these principal courses below 60%. 0.5 course from: Physics 1028A/B, 1301A/B or 1501A/B; 1.0 course from the Mathematics list for Biology modules*. If not completed in first year, the Mathematics requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Honors Specialization in Biodiversity and Conservation</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Biology 1001A or 1201A and Biology 1020B or 1202B; Chemistry 1301A/B and 1302A/B; Psychology 1000; plus 1.0 additional course, with no mark in these principal courses below 60%. 0.5 course from: Physics 1028A/B, 1301A/B or 1501A/B; 1.0 course from the Mathematics list for Biology modules*. If not completed in first year, the Mathematics requirement must be completed by the end of second year.</td>
</tr>
</tbody>
</table>

*Note: Applied Mathematics 1413 (with a mark of at least 60%) may be substituted for the 1.0 Calculus requirement.
## MODULE PREREQUISITE COURSES

### Honors Specialization in Genetics and Biochemistry
Completion of first year requirements with no failures. Students must have an average of at least 70% in 4.0 principal courses with no mark in these principal courses below 60%. 1.0 course from: Biology 1001A or 1201A and Biology 1002B or 1202B, Chemistry 1301A/B and 1302A/B; 1.0 course from the Mathematics list for Biology modules*; Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B.

### Honors Specialization in Integrated Science with Biology
Completion of first year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%. 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 10 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course: Biology 1001A 2.0 course: Integrated Science 1001X.

### Honors Specialization in Integrated Science with Genetics
Completion of first year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%. 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 10 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course: Biology 1001A 2.0 course: Integrated Science 1001X.

### Major in Biology
- **Major in Genetics**
  - Specialization in Biology
  - Completion of first year requirements with no failures in each of Biology 1001A or 1201A and Biology 1002B or 1202B, with a minimum mark of 60% in each; Chemistry 1301A/B and 1302A/B, Physics 1028A/B or 1301A/B or 1501A/B. 1.0 course from the Mathematics list for Biology modules*. If not completed in first year, the Mathematics requirement must be completed by the end of second year.

### Major in Ecosystem Health
Completion of first year requirements, including Biology 1001A or 1201A and Biology 1002B or 1202B, with a minimum mark of 60% in each; Chemistry 1301A/B and 1302A/B, Physics 1028A/B or 1301A/B or 1501A/B. 1.0 course from the Mathematics list for Biology modules*. Earth Sciences 1088F/G and Environmental Science 1021F/G are highly recommended.

### Minor in Biology
- **Minor in Genetics**
  - Biology 1001A or 1201A and Biology 1002B or 1202B with a mark of at least 60% in each; Chemistry 1301A/B and 1302A/B.

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### CHEMISTRY

Chemistry is the study of the structure, composition and properties of materials and the changes that materials undergo. Chemistry is a central science that overlaps and integrates with other science disciplines such as biology, physics, and mathematics. Learn about the basic principles of chemistry—from individual atoms to massive chemical plants, from batteries to bio-chemicals, from pharmaceuticals to engine oil.

### MODULE PREREQUISITE COURSES

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<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Chemistry</td>
<td>Completion of first year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark less than 60% in any course, including: Chemistry 1301A/B and 1302A/B, Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B, 10 course from: Calculus 1000A/B, 1500A/B and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1225A/B, 1229A/B or 1600A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Biochemistry and Chemistry</td>
<td>Completion of first year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark less than 60% in any course, including: Chemistry 1301A/B and 1302A/B, Biology 1001A and 1002B, 1.0 course from: Calculus 1000A/B or 1500A/B, and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1225A/B, 1229A/B or 1600A/B (with an average in the two of at least 60%). 1.0 course from: (Physics 1028A/B or 1301A/B or 1501A/B) and (Physics 1029A/B or 1302A/B or 1502A/B), (This 1.0 course is required but is not considered to be a principal course). Note: Biology 1201A with a minimum mark of 70% can be used to replace Biology 1001A, and Biology 1202B with a minimum mark of 70% can be used to replace Biology 1002B.</td>
</tr>
<tr>
<td>Honors Specialization in Chemical Biology</td>
<td>Offered only within a BMSc (Honors) degree. See Biochemistry department listing.</td>
</tr>
<tr>
<td>Honors Specialization in Integrated Science with Chemistry</td>
<td>Completion of first year requirements including the following 3.0 courses with no mark less than 60%; Chemistry 1301A/B and 1302A/B, Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B, 10 course from: Calculus 1000A/B or 1500A/B and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1225A/B, 1229A/B or 1600A/B.</td>
</tr>
<tr>
<td>Major in Chemistry Specialization in Chemistry</td>
<td>Completion of first year requirements including the following 3.0 courses with no mark less than 60%; Chemistry 1301A/B and 1302A/B, Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B, 10 course from: Calculus 1000A/B or 1500A/B and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1225A/B, 1229A/B or 1600A/B.</td>
</tr>
<tr>
<td>Minor in Chemistry</td>
<td>Completion of first year requirements. Chemistry 1301A/B and 1302A/B with no mark less than 60% in any course, Calculus 1000A/B, 1500A/B, and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1225A/B, 1229A/B or 1600A/B. This minor cannot be taken in combination with any other module offered by the Department of Chemistry.</td>
</tr>
<tr>
<td>Minor in Advanced Chemistry</td>
<td>Available only to those students who will complete one of the following modules: Honors Specialization in Chemistry, Honors Specialization in Biochemistry and Chemistry or Specialization in Chemistry. (See these modules for the prerequisite courses for each.)</td>
</tr>
</tbody>
</table>
## COMPUTER SCIENCE

A Computer Science degree is one of the most employable degrees you can earn. This exciting discipline will open doors, allowing you to have an impact on real-world problems. Western’s interdisciplinary studies let you combine Computer Science with other areas that interest you—even with degrees in Business, Engineering, Music, or Fine Arts. We also offer specialized programs in Information Systems, Bioinformatics, and Gaming. Computer Science is a rapidly evolving field, with a Computer Science degree, you can make a difference. If you are creative, logical, and enjoy design, then Computer Science is for you.

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Computer Science</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses including: Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B; Computer Science 1027A/B or 1037A/B (with a mark of at least 65%); 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Information Systems</td>
<td>See Pathology Department listing. Offered only within a BMath (Honors) degree.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Health Informatics</td>
<td>See Pathology Department listing. Offered only within a BMath (Honors) degree.</td>
</tr>
<tr>
<td>Honors Specialization in Bioinformatics</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 4.0 principal courses, with no mark below 60%, including: Biology 1001A and 1002B, Chemistry 1301A/B and 1302A/B, Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B; Computer Science 1027A/B or 1037A/B, in either case with a mark of at least 65%; 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1600A/B. Note: Biology 120A/B with a mark of at least 70% may be used in place of Biology 1001A, and Biology 120B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Honors Specialization in Integrated Science with Computer Science</td>
<td>Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%; 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 2.0 course: Integrated Science 100X.</td>
</tr>
<tr>
<td>Major in Computer Science</td>
<td>Completion of first-year requirements including the following courses, each with a mark of at least 60%; Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B; Computer Science 1027A/B or 1037A/B (with a mark of at least 65%); plus 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Specialization in Computer Science</td>
<td>Completion of first-year requirements including the following courses, each with a mark of at least 60%; Computer Science 1025A/B or 1026A/B or Engineering Science 1036A/B; Computer Science 1027A/B or 1037A/B (with a mark of at least 65%); plus 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Minor in Applications of Computer Science</td>
<td>Registration in either the Honors Specialization in Computer Science or the Specialization in Computer Science.</td>
</tr>
<tr>
<td>Minor in Software Engineering</td>
<td>Registration in the Honors Specialization in Computer Science.</td>
</tr>
<tr>
<td>Minor in Computer Algebra</td>
<td>Completion of first-year requirements including Mathematics 1600A/B; Calculus 1000A/B, 1500A/B and (Calculus 1301A/B or 1501A/B), in each case with a mark of at least 60%, plus registration in the Honors Specialization in Computer Science.</td>
</tr>
<tr>
<td>Minor in Computer Hardware Design</td>
<td>Registration in the Major, Specialization, or Honors Specialization in Computer Science.</td>
</tr>
<tr>
<td>Minor in High Performance Computing</td>
<td>Completion of first-year requirements, including 10.0 course with a mark of at least 60% from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Minor in Game Development</td>
<td>Registration in either the Honors Specialization, the Major, or the Specialization in Computer Science; and Mathematics 1600A/B or permission of the Department.</td>
</tr>
<tr>
<td>Minor in Theoretical Computer Science</td>
<td>Registration in the Honors Specialization in Computer Science.</td>
</tr>
</tbody>
</table>

## EARTH SCIENCES

Earth is a dynamic planet with processes and products that are not yet fully understood. Discover the concepts of continents breaking apart, ocean floors regenerating, earthquake destruction, the formation of gold and diamonds, or a meteor’s impact carrying enough energy to sterilize the planet. Western’s Earth Sciences programs emphasize solid Earth geology, geophysics, environmental geoscience, and planetary science and space exploration. Our professional programs offer students the opportunity to fulfill the course requirements for professional registration as set by the Association of Professional Geoscientists of Ontario (APGO) and the Canadian Council of Professional Geoscientists (CCPG). Our undergraduates acquire extensive field experience in Canada and abroad, as well as hands-on laboratory experience in a friendly, collaborative atmosphere.

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Geophysics Program (For Professional Registration)</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including: Chemistry 1301A/B and 1302A/B with an average of at least 60%; Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B and Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B with an average of at least 60%; Calculus 1000A/B, 1500A/B, or Mathematics 1225A/B, Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, or 1083F/G, with no mark below 60%. 1.0 course from Applied Mathematics 1201A/B, Biology 1001A, 1002B, 1201A, 1202B, Calculus 1301A/B, 1501A/B, Computer Science 1025A/B, 1026A/B, 1027A/B, Mathematics 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1023A/B, 1024A/B, this requirement must be completed by the end of second year. 1.0 course from category A or category B. Note: The Professional Geophysics Program requires Calculus 1000A/B or 1500A/B and, if taken, a minimum average of 80% in Physics 1028A/B and Physics 1029A/B.</td>
</tr>
<tr>
<td>MODULE</td>
<td>PREREQUISITE COURSES</td>
</tr>
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<td>--------------------------------------------</td>
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</tr>
<tr>
<td>Honors Specialization in Geology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in the 3.0 principal courses, including: 0.5 course: Chemistry 1301A/B with a minimum mark of 60%. 1.5 courses from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Biology 1001A, 1002B, 1201A, 1202B, Chemistry 1302A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1501A/B, 1502A/B. A minimum mark of 60% in each course is required. 10 additional course from: Calculus 1000A/B, 1500A/B, or Mathematics 1225A/B, and one of Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B. An average in the two courses of at least 60% is required. This requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Honors Specialization in Geophysics</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% and no mark less than 60% in the 3.0 principal courses, including: 1.0 course: Calculus 1000A/B, 1500A/B; and one of Calculus 1301A/B, 1501A/B, Applied Mathematics 1413. 1.0 course from: (Physics 1301A/B or 1501A/B) and (Physics 1302A/B or 1502A/B); or Physics 1028A/B and 1029A/B with an average of at least 80%. 10 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1301A/B, 1302A/B, Mathematics 1600A/B. Note: At least a 0.5 course in Earth Sciences is recommended in first year. If not taken in first year, Mathematics 1600A/B must be completed before the beginning of third year.</td>
</tr>
<tr>
<td>Honors Specialization in Geology and Biology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with a minimum of 60% in each, including: Biology 1001A or 1201A and 1002B or 1202B, Chemistry 1301A/B and 1302A/B, Plus 1.0 additional course from: Calculus 1000A/B, 1500A/B, and one of Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B, or Mathematics 1225A/B and 1229A/B. This requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Honors Specialization in Environmental Geoscience</td>
<td>Completion of first-year requirements with no failures. Students must have a minimum average of at least 70% in 3.0 principal courses, with a minimum of 60%, including: Biology 1001A or 1201A and 1002B or 1202B, Chemistry 1301A/B and 1302A/B, 0.5 course from: Calculus 1000A/B, 1500A/B, or Mathematics 1225A/B, 0.5 course from: Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Integrated Science with Earth Science</td>
<td>Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 2.0 course: Integrated Science 1001X.</td>
</tr>
<tr>
<td>Major in Geology</td>
<td>Completion of 5.0 first-year courses.</td>
</tr>
<tr>
<td>Minor in Geology</td>
<td>Completion of 5.0 first-year courses.</td>
</tr>
<tr>
<td>Minor in Planetary Science and Space Exploration</td>
<td>Completion of 5.0 first-year courses.</td>
</tr>
<tr>
<td>Specialization in Geology</td>
<td>Completion of first-year requirements, including the following 3.0 courses: Chemistry 1301A/B with a minimum mark of 60%; 1.5 courses from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1302A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1501A/B, 1502A/B, Biology 1001A, 1002B, 1201A, 1202B. A minimum mark of 60% in each course is required. 10 additional course from: Calculus 1000A/B, 1500A/B, or Mathematics 1225A/B, and one of Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1023A/B or 1024A/B. An average in the two courses of at least 60% is required. This requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Specialization in Geophysics</td>
<td>Completion of first-year requirements. Students must have a minimum of 60% in each of the 3.0 principal courses taken, including: Calculus 1000A/B, 1500A/B, and one of Calculus 1301A/B, 1501A/B, Applied Mathematics 1413. Physics 1301A/B or 1501A/B and Physics 1302A/B or 1502A/B, or Physics 1028A/B and 1029A/B with an average of at least 80%; 10 course from Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1024A/B, 1301A/B, 1302A/B, Mathematics 1600A/B. Note: At least a 0.5 course in Earth Sciences is recommended in first year. If not taken in first year, Mathematics 1600A/B must be completed before the beginning of third year.</td>
</tr>
<tr>
<td>Specialization in Geology and Biology</td>
<td>Completion of first-year requirements. Students must have a minimum of 60% in each of the 3.0 principal courses taken, including: Biology 1001A or 1201A and Biology 1002B or 1202B, Chemistry 1301A/B and 1302A/B, Plus 1.0 additional course from: Calculus 1000A/B, 1500A/B, and one of Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B, or Mathematics 1225A/B and 1229A/B. This requirement must be completed by the end of second year.</td>
</tr>
<tr>
<td>Specialization in Environmental Geoscience</td>
<td>Completion of first-year requirements. Students must have a minimum of 60% in each of the 3.0 principal courses taken, including: Biology 1001A or 1201A, Biology 1002B or 1202B, Chemistry 1301A/B and 1302A/B, 0.5 course from: Calculus 1000A/B, 1500A/B, or Mathematics 1225A/B, 0.5 course from: Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B, Mathematics 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B.</td>
</tr>
<tr>
<td>Minor in Geophysics</td>
<td>Completion of first year requirements, including 1.0 course from: Calculus 1000A/B, 1500A/B and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, or Calculus 1301A/B, 1501A/B with a mark of at least 60%.</td>
</tr>
</tbody>
</table>
Determine how physical, chemical, and biological processes affect the biosphere, and consider human influence and interests in this relationship. The interdisciplinary modules in Environmental Science combine biological, physical and social sciences perspectives in order to understand the importance of environmental research to science and society. Complex environmental issues involving biology, chemistry, physics, mathematics, geology, geography, toxicology and more are explored.

## Module: Honors Specialization in Environmental Science

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.5 principal courses, with no mark in these principal courses below 60%, including: 10 course: Biology 1001A and 1002B or Biology 1201A and 1202B, 1.0 course: Chemistry 1301A/B and 1302A/B, 0.5 course from: Environmental Science 1021F/G, a 1000-level 0.5 course in Geography, Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1401A/B, 1402A/B, 1501A/B, 1502A/B, 1.0 course from: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B or 1600A/B; Statistical Sciences 1024A/B, Applied Mathematics 1201A/B.

## Module: Honors Specialization in Integrated Science with Environmental Science

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course: Biology 1001A 2.0 course: Integrated Science 1001X.

## Module: Major in Environmental Science

Completion of first-year requirements, with no mark in these principal courses below 60%, including: 10 course: Biology 1001A and 1002B or Biology 1201A and 1202B, 1.0 course: Chemistry 1301A/B and 1302A/B, 0.5 course from: Environmental Science 1021F/G, a 1000-level 0.5 course in Geography, Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1401A/B, 1402A/B, 1501A/B, 1502A/B, 0.5 course: Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B or 1600A/B; Statistical Sciences 1024A/B, Applied Mathematics 1201A/B.

## Module: Minor in Environmental Science

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course: Biology 1001A 2.0 course: Integrated Science 1001X.

## INTEGRATED SCIENCE (WISc)

Through novel classroom and laboratory experiences, students in WISc refine their critical thinking and problem-solving skills while at the same time strengthening teamwork, leadership abilities and community engagement. Enrolment in one of the eight Honors Specializations also provides the focused coursework necessary to develop expertise in a particular discipline. Because many of today's most pressing scientific problems are interdisciplinary (e.g. climate change), graduates of WISc will have a unique skill set allowing them to work more effectively on cutting-edge problems that involve more than one scientific discipline.

## Module: Honors Specialization in Integrated Science with Biology

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1000Z, 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course: Biology 1001A 2.0 course: Integrated Science 1001X.

## Module: Honors Specialization in Integrated Science with Chemistry

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 2.0 course: Integrated Science 1001X.

## Module: Honors Specialization in Integrated Science with Computer Science

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 2.0 course: Integrated Science 1001X.

## Module: Honors Specialization in Integrated Science with Earth Science

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course Mathematics 1600A/B.

## Module: Honors Specialization in Integrated Science with Mathematics

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course Mathematics 1600A/B.

## Module: Honors Specialization in Integrated Science with Physics

Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B. Students must complete Mathematics 1600A/B with a minimum mark of 55% by the end of Term 1 in Year 2.

## MATHEMATICS

Learn fundamental concepts that lead to mathematical formulas used in every branch of science, engineering, statistics, computer science and economics. Study algebra, analysis, geometry, topology under the friendly guidance of math professors. Note the existence of research opportunities for promising students.
## MATHEMATICS continued

### PREREQUISITE COURSES

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Mathematics</td>
<td>Completion of first year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with a mark of at least 60% in each, including: Calculus 1000A/B or 1500A/B plus either Calculus 1501A/B (recommended) or Calculus 1301A/B with a mark of at least 85%, plus 2.0 additional courses. Mathematics 1600A/B and Mathematics 1120A/B, if taken in Year 1, will count toward the 3.0 principal courses. Mathematics 1600A/B and Mathematics 1120A/B are recommended. Note: Mathematics 1600A/B must be completed prior to Mathematics 2120A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Mathematics in Society</td>
<td>Completion of first year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1002; 2.0 course: Integrated Science 1001X; 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B, 0.5 course Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Integrated Science with Mathematics</td>
<td>Completion of first-year requirements, including: 0.5 course: A mark of at least 60% in Calculus 1000A/B or 1500A/B, plus either Calculus 1501A/B with a mark of at least 60% (recommended) or Calculus 1301A/B with a mark of at least 85%. Mathematics 1600A/B and Mathematics 1120A/B are recommended. Note: Mathematics 1600A/B must be completed prior to Mathematics 2120A/B. Mathematics 1600A/B must be completed prior to Mathematics 2210A/B.</td>
</tr>
<tr>
<td>Specialization in Mathematics</td>
<td>Completion of first year requirements. Calculus 1000A/B or 1500A/B with a mark of at least 60%, plus either Calculus 1501A/B with a mark of at least 60% (recommended) or Calculus 1301A/B with a mark of at least 85%. Mathematics 1600A/B and Mathematics 1120A/B are recommended. Note: Mathematics 1600A/B must be completed prior to Mathematics 2120A/B.</td>
</tr>
<tr>
<td>Specialization in Mathematics in Society</td>
<td>Completion of first-year requirements. Calculus 1000A/B or 1500A/B with a mark of at least 60%, plus either Calculus 1501A/B with a mark of at least 60% (recommended) or Calculus 1301A/B with a mark of at least 85%; Applied Mathematics 1413, 0.5 course: Mathematics 1600A/B, 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B.</td>
</tr>
<tr>
<td>Minor in Mathematics</td>
<td>Completion of first-year requirements, including: 0.5 course from: Calculus 1000A/B or 1500A/B with a mark of at least 60%, Calculus 1501A/B (recommended) with a mark of at least 60% or Calculus 1301A/B with a mark of at least 85%. Mathematics 1600A/B and Mathematics 1120A/B are recommended.</td>
</tr>
<tr>
<td>Honors Specialization in Mathematical Sciences</td>
<td>See Applied Mathematics.</td>
</tr>
</tbody>
</table>

## PHYSICS AND ASTRONOMY

**www.physics.uwo.ca**  
519-661-3283

Astronomers strive to understand the universe, seeking insight into how planets, stars, and galaxies form and evolve. We have Astronomy faculty members working in the areas of extrasolar planets, black holes, molecular spectroscopy, stellar composition, and star formation. Our Planetary Scientists at Western are internationally known leaders in space, planetary, meteor and atmospheric physics. Exceptional astronomy facilities include a 1.2-metre telescope. Astrophysics degrees combine skills in mathematics, physics, and computer simulations. Physics is a fundamental science and is basic to understanding the laws of nature. Physics at Western provides adaptable problem-solving skills that are transferable to many other disciplines. Facilities connected to the Physics Department include: Western’s Nanofabrication Facility, nano-optoelectronics facility for fabrication of solar cells and graphene materials, atomic force microscopy and positron beams in Materials Science; neuroscience, magnetic resonance imaging (MRI), ultrasound, X-ray computed tomography (CT) imaging, and radiation dosimetry in Medical Physics; and Laboratory Astrophysics.

### PREREQUISITE COURSES

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Astrophysics</td>
<td>Completion of first year requirements with no failures. Students must have an average of at least 70% in 3.5 principal courses, with no mark in these principal courses below 60%. 1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B, 1.0 course: One of Calculus 1000A/B, 1500A/B and Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413, 0.5 course: Mathematics 1600A/B, 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Physics</td>
<td>Completion of first-year requirements including the following 3.5 courses, each with a mark of at least 60%. 1.0 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B, 1.0 course: One of Calculus 1000A/B, 1500A/B and Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413, 0.5 course: Mathematics 1600A/B, 0.5 additional course from the Faculty of Science. It is highly recommended that students complete one of the following: Chemistry 1301A/B, Computer Science 1025A/B or 1026A/B, or Statistical Science 1024A/B. 0.5 additional course.</td>
</tr>
<tr>
<td>Honors Specialization in Physics</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principal courses below 60%. Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B, Calculus 1000A/B or 1500A/B and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413, Chemistry 1301A/B and 1302A/B. <strong>No new admission.</strong></td>
</tr>
<tr>
<td>Specialization in Astrophysics</td>
<td>Completion of first year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1002; 2.0 course: Integrated Science 1001X; 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B. Students must complete Mathematics 1600A/B with a minimum mark of 55% by the end of Term 1 in Year 2.</td>
</tr>
<tr>
<td>Specialization in Medical Physics</td>
<td>Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1002; 2.0 course: Integrated Science 1001X; 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B. Students must complete Mathematics 1600A/B with a minimum mark of 55% by the end of term one in year 2.</td>
</tr>
<tr>
<td>Specialization in Physics</td>
<td>Completion of first-year requirements with no failures. Students must complete the following courses with an average of at least 70%, with no individual course mark below 60%: 0.5 course: Integrated Science 1002; 2.0 course: Integrated Science 1001X; 0.5 course: Calculus 1000A/B or 1500A/B, 1.0 course: Chemistry 1301A/B, Physics 1301A/B or 1501A/B. Students must complete Mathematics 1600A/B with a minimum mark of 55% by the end of year one in Year 2.</td>
</tr>
<tr>
<td>Minor in Astrophysics</td>
<td>Completion of first-year requirements including the following 2.0 courses, each with a mark of at least 60%: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B, One of Calculus 1000A/B or 1500A/B and one of Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413, 0.5 course: Mathematics 1600A/B with a minimum mark of 55% by the end of term one in year 2.</td>
</tr>
<tr>
<td>Minor in Medical Physics</td>
<td>Completion of first-year requirements including the following 2.0 courses, each with a mark of at least 60%: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B, One of Calculus 1000A/B or 1500A/B and one of Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413, 0.5 course: Mathematics 1600A/B with a minimum mark of 55% by the end of term one in year 2.</td>
</tr>
</tbody>
</table>

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For up to date module, program and course offerings please see the Academic Calendar  
2018 First Year Calendar
## STATISTICAL AND ACTUARIAL SCIENCES

www.stats.uwo.ca  ▶ Western Science Centre 262  ▶ 519-661-3607

Work with the collection, interpretation and analysis of data, modeling of uncertainty and variation and study the management of financial risk. Applications in finance, insurance and pensions are emphasized.

### MODULES

#### PREREQUISITE COURSES

**Major in Physics**
- Completion of first-year requirements including the following courses, each with a mark of at least 60%: 10 course from: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; 10 course from: Calculus 1000A/B, 1500A/B and Calculus 1501A/B (recommended) or Calculus 1301A/B (with a mark of at least 85%); or Applied Mathematics 1413; 10 additional course, at least 0.5 of which must be from the Faculty of Science. Students must complete Mathematics 1600A/B with a minimum mark of 55% by the end of Term 1 in Year 2.

**Minor in Physics**
- Completion of first-year requirements including the following courses, each with a mark of at least 60%: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; Calculus 1000A/B or 1500A/B and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; Chemistry 1301A/B and 1302A/B.

**Specialization in Materials Science**
- Completion of first-year requirements including the following 3.0 courses, each with a mark of at least 60%: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; Calculus 1000A/B or 1500A/B and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; Chemistry 1301A/B and 1302A/B.

**Major in Materials Science**
- Completion of first-year requirements including the following 3.0 courses, each with a mark of at least 60%: Physics 1301A/B, 1401A/B, 1501A/B or 80% in Physics 1028A/B and Physics 1302A/B, 1402A/B, 1502A/B or 80% in Physics 1029A/B; Calculus 1000A/B or 1500A/B and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; Chemistry 1301A/B and 1302A/B.

**Minor in Advanced Physics**
- This minor is available only to those students who will complete an Honors Specialization or Specialization in Physics, Astrophysics, or Medical Physics.

**Minor in the Physics of Materials**
- Chemistry 1301A/B and 1302A/B, or Chemistry 1024A/B. Available only to those students who will complete an Honors Specialization or Specialization in Physics, or by permission of the Department.

**Minor in Conceptual Astronomy**
- Completion of first-year requirements. This minor is designed for students with a general interest in Astronomy. It is not intended for students considering a Major or Honors Specialization in Astrophysics.

### FACULTY OF SCIENCE

**MODULE**

**PREREQUISITE COURSES**

**Honors Specialization in Actuarial Science**
- Completion of first-year requirements with no failures. Students must have a minimum average of 70% in 3.0 principal courses, with no mark less than 60% in any principal course, including: Calculus 1000A/B, 1500A/B and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); Mathematics 1600A/B, Economics 1021A/B and 1022A/B, plus 0.5 additional principal course. Recommended (but not required) first-year courses: Actuarial Science 1021A/B, Business Administration 1220E, Philosophy 1200. Note: Economics 1021A/B and Economics 1022A/B, if not taken in first year, must be completed in one of the upper years of the program.

**Honors Specialization in Data Science**
- Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including: Calculus 1000A/B or 1500A/B and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Mathematics 1600A/B, Computer Science 1026A/B, Computer Science 1027A/B plus 0.5 additional principal courses, with no mark less than 60% in any of the 3.0 principal courses.Recommended course: Statistics 1023A/B. If not taken in the first year, Mathematics 1600A/B or Applied Mathematics 1411A/B must be completed prior to the second term of second year.

**Honors Specialization in Financial Modelling**
- Completion of first-year requirements with no failures. Students must have a minimum average of 70% in 3.0 principal courses, with no mark less than 60% in any principal course including: Calculus 1000A/B, 1500A/B, and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%), plus 2.0 additional principal courses. Mathematics 1600A/B or Applied Mathematics 1411A/B, with a mark of 60% for either, is normally taken in Year 1 if not taken in year 1; it must be completed by first term of year 2. Recommended (but not required) first year courses: Economics 1021A/B and Economics 1022A/B, Philosophy 1200, Computer Science 1026A/B and/or 1027A/B.

**Honors Specialization in Statistics**
- Completion of first-year requirements with no failures. Students must have a minimum average of 70% in 3.0 principal courses, with no mark less than 60% in any principal course including: Calculus 1000A/B, 1500A/B, and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%), Mathematics 1600A/B, plus 1.5 additional principal courses. Recommended (but not required) first year courses: Statistical Sciences 1023A/B.

**Major in Actuarial Science**
- Completion of first-year requirements. Students must have a minimum grade of 60% in 3.0 principal courses including: Calculus 1000A/B, 1500A/B, and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%), Mathematics 1600A/B, Economics 1021A/B and Economics 1022A/B, plus 0.5 additional principal course. Recommended (but not required) first year courses: Actuarial Science 1021A/B, Business Administration 1220E, Philosophy 1200. Note: Economics 1021A/B and Economics 1022A/B, if not taken in first year, must be completed in one of the upper years of the program.

**Major in Data Science**
- Completion of first-year requirements, including the following: Calculus 1000A/B or 15000A/B plus Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); Mathematics 1600A/B, Computer Science 1026A/B, Computer Science 1027A/B plus 0.5 additional principal course. Recommended (but not required) first year courses: Actuarial Science 1021A/B, Business Administration 1220E, Philosophy 1200. Note: Economics 1021A/B and Economics 1022A/B, if not taken in first year, must be completed in one of the upper years of the program.

**Major in Financial Modelling**
- Completion of first-year requirements, including the following: (Calculus 1000A/B, 1500A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), plus 2.0 other principal courses with no mark less than 60% in any of the 3.0 principal courses. Mathematics 1600A/B or Applied Mathematics 1411A/B with a minimum mark of 60% for either, is normally taken in year 1 if not taken in year 1, it must be completed in the first term of year 2. Recommended (but not required) first year courses: Actuarial Sciences 1024A/B and/or Statistical Sciences 1023A/B. If not taken in the first year, Mathematics 1600A/B or Applied Mathematics 1411A/B must be completed prior to the second term of second year.

**Major in Applied Statistics**
- Completion of first-year requirements. Students must have a minimum grade of 60% in 3.0 principal courses including: Calculus 1000A/B, 1500A/B and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); Mathematics 1600A/B, 1.0 course from Psychology 1000, Biology 1001A or 1201A, Biology 1002B or 1202B, Sociology 1020, plus 0.5 other principal course. Recommended (but not required) first-year courses: Statistical Sciences 1024A/B and/or Statistical Sciences 1023A/B. Mathematics 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of the second year.

Note: Applied Mathematics 1413 may be substituted for the 1.0 Calculus course requirement, and Applied Mathematics 1411A/B may be substituted for Mathematics 1600A/B.
The Bachelor of Medical Sciences (BMSc) degrees are four-year undergraduate degrees, offered jointly by the Faculty of Science and the Schulich School of Medicine & Dentistry, and are designed for students interested in advanced study in one or more of the Basic Medical Sciences.

**BMSc (Honors) Degree:**

The BMSc (Honors) degree must contain one of the following Honors Specializations:
- Biochemistry
- Biochemistry and Cancer Biology
- Biochemistry and Cell Biology
- Biochemistry and Pathology of Human Disease
- Biochemistry of Infection and Immunity
- Chemical Biology
- Computational Biochemistry
- Epidemiology and Biostatistics
- Interdisciplinary Medical Sciences (IMS)
- Medical Biophysics (Medical Science Concentration)
- Medical Biophysics (Clinical Physics Concentration)
- Medical Biophysics and Biochemistry
- Medical Cell Biology
- Medical Health Informatics
- Microbiology and Immunology
- Microbiology and Immunology with Pathology
- One Health
- Pathology
- Pharmacology
- Physiology
- Physiology and Pharmacology

**OR two of the following Majors:**
- Biochemistry
- Epidemiology and Biostatistics
- Interdisciplinary Medical Sciences (IMS)
- Medical Biophysics
- Medical Cell Biology
- Microbiology and Immunology
- Pathology
- Pharmacology
- Physiology

**BMSc Degree:**

The BMSc degree must contain one of the following Specializations:
- Biochemistry
- Interdisciplinary Medical Sciences (IMS)
- Medical Biophysics
- Microbiology and Immunology
- Pathology
- Pharmacology
- Physiology

**Admission to BMSc:**

Students interested in modules leading to BMSc degrees will usually register in Medical Sciences First Entry in the Faculty of Science. Successful completion of Medical Sciences 1, including the 1000-level science courses with minimum marks of 60%, is required for progression to Medical Sciences 2. Students in Medical Sciences 2 will be assured admission to Year 3 BMSc if they successfully complete Medical Sciences 2 with a minimum average of 80% on the 2000-level courses required for admission to the modules. These students will receive priority placement in the Honors Specialization modules in Year 3 BMSc.

**Admission Requirements for Medical Sciences First Entry**

Six Grade 12U and/or M level courses including the following 4 courses:
- English (ENG4U); Calculus and Vectors (MCV4U); Biology (SBI4U); Chemistry (SCH4U)

**Note:** Although Western offers first-year physics courses that do not require high-school physics as a prerequisite, it is strongly recommended that students complete Grade 12U Physics (SPH4U).

**Graduate Degrees:**

- Master of Science (MSc)
- Master of Science (MSc) Accelerated
- Master of Clinical Science (MCISc)
- Master of Clinical Dentistry (MCID)
- Master of Public Health (MPH)
- Doctor of Philosophy (PhD)

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### MEDICAL SCIENCES FIRST ENTRY

<table>
<thead>
<tr>
<th>MEDICAL SCIENCES FIRST ENTRY</th>
<th>REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Sciences 1</td>
<td>Successful completion of 5.0 courses during the Fall/Winter, including: Biology 1001A and 1002B, Chemistry 1301A/B and 1302A/B, Calculus 1000A/B or 1500A/B, one* of Applied Mathematics 1201A/B, Calculus 1301A/B, 1501A/B or Mathematics 1600A/B, one of Physics 1028A/B, 1301A/B or 1501A/B, one of Physics 1029A/B, 1302A/B or 1502A/B, and 10 first-year course from Category A or B. A minimum mark of 60% is required in each of the half courses in biology, chemistry, mathematics and physics to progress to Medical Sciences 2. The physics requirements should be completed in Medical Sciences 1 but can be delayed until Medical Sciences 2 (unless students are interested in Medical Biophysics modules). *See the modules in Medical Biophysics for exceptions to the mathematics requirement.</td>
</tr>
<tr>
<td>Medical Sciences 2</td>
<td>Successful completion of 5.0 courses during the Fall/Winter, including ALL of the 2000-level courses listed in the Admission Requirements for the module requested for Year 3. Students in Medical Sciences 2 require a minimum average of 80% on these 2000-level courses to be assured admission to Year 3 BMSc. Students in Medical Sciences 2 with averages of 75 – 79% on these 2000-level courses may apply for the remaining spaces in Year 3 BMSc and be considered for admission as part of the “competitive pool”. See Admission to BMSc for more information.</td>
</tr>
</tbody>
</table>
### ANATOMY AND CELL BIOLOGY

**www.schulich.uwo.ca/anatomy** > Medical Sciences Building M443 > 519-661-3014

Modules in Medical Cell Biology are offered by the Department of Anatomy and Cell Biology. Medical Cell Biology consists of the study of humans at the molecular, cellular, tissue and systems level. The modules integrate information from each of these areas to yield an understanding of the relationship between structure and function in the organism as a whole.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Medical Cell Biology</td>
<td>Enrolment in either of these modules is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for each Honors Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Honors Specialization in Biochemistry and Cell Biology</td>
<td></td>
</tr>
<tr>
<td>Major in Medical Cell Biology</td>
<td>Students completing this Major in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in this Major beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%.</td>
</tr>
<tr>
<td>Minor in Medical Cell Biology</td>
<td>Completion of first-year requirements, including the following courses with a mark of at least 60% in each (full or half) course: Biology 1001A and 1002B (Biology 1201A and 1202B with minimum marks of 70% in each may be used in place of Biology 1001A and 1002B); and Chemistry 1301A/B and 1302A/B.</td>
</tr>
</tbody>
</table>

### BIOCHEMISTRY

**www.schulich.uwo.ca/biochem** > Medical Sciences Building 342 > 519-661-3074

Biochemistry is the study of the molecules and mechanisms essential to life. An emphasis is placed on an understanding of the structure, function, and regulation of biomolecules as they relate to the molecular basis of disease. Training involves the application of state-of-the-art approaches and equipment to the many diverse areas of modern biochemistry that include molecular genetics, structural biology, signal transduction, and bioinformatics.

<table>
<thead>
<tr>
<th>MODULE</th>
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</tr>
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<tbody>
<tr>
<td>Honors Specialization in Biochemistry</td>
<td>Enrolment in any of these modules is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for each Honors Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Honors Specialization in Biochemistry and Cancer Biology</td>
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<tr>
<td>Honors Specialization in Biochemistry and Cell Biology</td>
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<tr>
<td>Honors Specialization in Chemical Biology</td>
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<tr>
<td>Honors Specialization in Computational Biochemistry</td>
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</tr>
<tr>
<td>Honors Specialization in Medical Biophysics and Biochemistry</td>
<td>See Medical Biophysics Department listing. Offered only within a BMSc (Honors degree).</td>
</tr>
<tr>
<td>Honors Specialization in Biochemistry and Chemistry</td>
<td>See Chemistry Department listing. Offered only within a BSc (Honors) degree.</td>
</tr>
<tr>
<td>Honors Specialization in Genetics and Biochemistry</td>
<td>See Biology Department listing. Offered only within a BSc (Honors) degree.</td>
</tr>
<tr>
<td>Major in Biochemistry</td>
<td>Students completing this Major in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in this Major beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%.</td>
</tr>
<tr>
<td>Specialization in Biochemistry</td>
<td>Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Minor in Biochemistry</td>
<td>Completion of first-year requirements, including the following courses: Biology 1001A and 1002B, Chemistry 1301A/B and 1302A/B, each with a minimum mark of 60%; 1.0 course from: Applied Mathematics 1201A/B, Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1413. Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Combined Honors BMSc (Biochemistry)/HBA</td>
<td>Students will usually complete Medical Sciences First Entry in the Faculty of Science (Medical Sciences 1 and 2), including Business Administration 2257 in second year, and apply for the combined degree program once admitted to HBA (HBA1). To be eligible, students must: (i) be eligible for Year 3 of the Bachelor of Medical Sciences (BSc) Program, (ii) complete the Admission Requirements for the Honors Specialization in Biochemistry, (iii) achieve a minimum overall average of 80% in the 10.0 courses completed prior to admission to HBA, and (iv) achieve a minimum weighted rounded average of 78% in HBA1.</td>
</tr>
</tbody>
</table>
**EPIDEMIOLOGY AND BIOSTATISTICS**

**www.schulich.uwo.ca/epibio**  
Kresge Building K201  
519-661-2162

Epidemiology is the discipline concerned with studying the determinants and distribution of diseases in human populations. Biostatistics is the discipline that develops and discovers new statistical methods for collecting, analyzing and interpreting the data arising from medical and epidemiologic studies. Students will develop skills that will allow them to contribute to health policy by providing data relevant to health promotion and illness-prevention programs.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Epidemiology and Biostatistics</td>
<td>Enrolment in any of these modules is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Please note that one of Calculus 1301A/B or 1501A/B must be completed along with one of Calculus 1000A/B or 1500A/B. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for each Honors Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Major in Epidemiology and Biostatistics</td>
<td>Students completing this Major in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in this Major beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%.</td>
</tr>
</tbody>
</table>

**MEDICAL BIOPHYSICS**

**www.schulich.uwo.ca/biophysics**  
Medical Sciences Building M407  
519-661-3053

Students will learn about the physics of biological tissues and structures, with examples mainly from cardiovascular biophysics, orthopedic mechanics, and cancer. The underlying theme is the integration of basic concepts from physics and mathematics into the subject area of biology. Courses and laboratory studies include the frontiers of medical and diagnostic imaging, and intravital microscopy for exploring the circulation. Honors Specialization modules provide an opportunity for hands-on participation in world-class biomedical research.

<table>
<thead>
<tr>
<th>MODULE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Medical Biophysics (Medical Science Concentration)</td>
<td>This module can be completed only within a Bachelor of Science (BSc) Honors degree. Students must complete their first-year requirements with no failures and have an average of at least 70% in the following 4.0 principal courses, with no mark below 60% in any of these courses: 0.5 course from: Mathematics 1413; 1.0 course from: Chemistry 1301A/B and 1302A/B; 1.0 course: Biology 1001A and Biology 1002B (may be deferred until Year 2). Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Biophysics (Clinical Physics Concentration)</td>
<td>This module can be completed only within a Bachelor of Science (BSc) Honors degree. Students must complete their first-year requirements with no failures and have an average of at least 70% in the following 4.0 principal courses, with no mark below 60% in any of these courses: 1.0 course from: Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B; 0.5 course from: Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B (one of Physics 1302A/B or 1502A/B is preferred); 0.5 course from: Chemistry 1301A/B and 1302A/B; 1.0 course from: Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; 10 course from: Chemistry 1301A/B and 1302A/B; 1.0 course: Biology 1001A and 1002B (may be deferred until Year 2). Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Biophysics and Biochemistry</td>
<td>This module can be completed only within a Bachelor of Science (BSc) Honors degree. Students must complete their first-year requirements with no failures and have an average of at least 70% in the following 4.0 principal courses, with no mark below 60% in any of these courses: 1.0 course: Biology 1001A and Biology 1002B; 1.0 course: Chemistry 1301A/B and 1302A/B; 0.5 course from: Calculus 1000A/B, 1500A/B; 0.5 course from: Calculus 1301A/B, 1501A/B; 0.5 course from: Physics 1028A/B, 1301A/B, 1501A/B; 0.5 course from: Physics 1029A/B, 1302A/B, 1502A/B. Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Biophysics (Biological Science Concentration)</td>
<td>This module can be completed only within a Bachelor of Science (BSc) Honors degree. Students must complete their first-year requirements with no failures and have an average of at least 70% in the following 4.0 principal courses, with no mark below 60% in any of these courses: 0.5 course from: Mathematics 1413; 1.0 course from: Chemistry 1301A/B and 1302A/B; 1.0 course from: Calculus 1000A/B, 1500A/B; 0.5 course from: Calculus 1301A/B, 1501A/B; 0.5 course from: Physics 1028A/B, 1301A/B, 1501A/B; 0.5 course from: Physics 1029A/B, 1302A/B, 1502A/B. Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.</td>
</tr>
<tr>
<td>Major in Medical Biophysics</td>
<td>Students completing this Major in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in this Major beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, calculus and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Please note that one of Calculus 1301A/B or 1501A/B must be completed along with one of Calculus 1000A/B or 1500A/B.</td>
</tr>
<tr>
<td>Specialization in Medical Biophysics</td>
<td>Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, calculus and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Please note that one of Calculus 1301A/B or 1501A/B must be completed along with one of Calculus 1000A/B or 1500A/B. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Specialization module. See Admission to BMSc for more details.</td>
</tr>
</tbody>
</table>
### MEDICAL SCIENCES AND INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

**The Medical Sciences and Interdisciplinary Medical Sciences (IMS) modules are administered and sponsored by the Faculty of Science and the Schulich School of Medicine & Dentistry. These modules provide an opportunity to learn and understand the interrelationships between basic science and its application in the clinical medical sciences, as discoveries move from the bench to the bedside. Students have the flexibility to study two or more basic medical science disciplines, as they take courses offered by two or more of the basic medical science departments.**

The Interdisciplinary Medical Sciences (IMS) modules can only be completed in a Bachelor of Medical Sciences (BMSc) degree. The Major in Medical Sciences is only available to students registered in degrees other than BMSc degrees. The Minor in Medical Sciences may be completed in any type of degree.

### MODULES PREREQUISITE COURSES

#### Minor in Medical Biophysics

Completion of first-year requirements, including the following courses with a minimum mark of 60% in each course: 0.5 course from: Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B; 0.5 course from: Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B; 1.0 course from: Calculus 1000A/B or 1500A/B, and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; 10 course: Chemistry 1301A/B and 1302A/B; 1.0 course: Biology 1001A and 1002B (may be deferred until Year 2). Note: Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A, and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B.

#### Honors Specialization in Interdisciplinary Medical Sciences (IMS)

Enrolment in this module is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for the Honors Specialization module. See Admission to BMSc for more details.

#### Major in Interdisciplinary Medical Sciences (IMS)

Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Major module. See Admission to BMSc for more details.

#### Specialization in Interdisciplinary Medical Sciences (IMS)

Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Specialization module. See Admission to BMSc for more details.

#### Major in Medical Sciences

The Major in Medical Sciences can be completed in any degree other than a BMSc degree (cannot be completed in a BMSc degree). Students must complete first-year requirements, including the following courses with minimum marks of 60% in each: Biology 1001A and 1002B (Biology 1201A with a mark of at least 70% may be used in place of Biology 1001A and Biology 1202B with a mark of at least 70% may be used in place of Biology 1002B); Chemistry 1301A/B and 1302A/B; 1.0 course from Applied Calculus 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, one of Physics 1028A/B, 1301A/B or 1501A/B, and one of Physics 1029A/B, 1302A/B, 1502A/B. Note: the Physics requirement must be completed before the end of second year, and is recommended that the two half courses in Physics be taken in the Fall and Winter terms of the same academic year.

#### Minor in Medical Sciences

Completion of first-year requirements, including the following half courses with minimum marks of 60% in each: Biology 1001A and 1002B (Biology 1201A and 1202B with minimum marks of 70% in each may be used in place of Biology 1001A and 1002B); Chemistry 1301A/B and 1302A/B.

#### Combined Honors BMSc (Interdisciplinary Medical Sciences)/HBA

Students will usually complete Medical Sciences First Entry in the Faculty of Science (Medical Sciences 1 and 2), including Business Administration 2257 in second year, and apply for the combined degree program once admitted to HBA (HBA1). To be eligible, students must: (i) be eligible for admission to Year 3 of the Bachelor of Medical Sciences (BMSc) Program; (ii) complete the Admission Requirements for the Honors Specialization in Interdisciplinary Medical Sciences (IMS), (iii) achieve a minimum average of 80% in the 10.0 courses completed prior to admission to HBA, and (iv) achieve a minimum weighted rounded average of 78% in HBA1.

### MICROBIOLOGY AND IMMUNOLOGY

**Microbiology and Immunology is a multidisciplinary field that examines the interaction between microorganisms and their host. Major topics covered are the biology and disease-causing potential of bacteria and viruses, and how the immune system protects us from infectious microorganisms and cancer, but can also lead to autoimmune diseases. Under these broad themes, the undergraduate program in Microbiology and Immunology will provide students with a comprehensive understanding of the molecular and cellular biology of infection and immunity.**

### MODULES PREREQUISITE COURSES

#### Honors Specialization in Microbiology and Immunology

Enrolment in either of these modules is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for each Honors Specialization module. See Admission to BMSc for more details.
**Microbiology and Immunology**

- **Honors Specialization in Biochemistry of Infection and Immunity**: See Biochemistry Department listing.
- **Major in Microbiology and Immunology**: Students completing this Major in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in this Major beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%.
- **Specialization in Microbiology and Immunology**: Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Specialization module. See Admission to BMSc for more details.
- **Minor in Microbiology and Immunology**: Completion of first year requirements, including the following courses with minimum marks of 60% in each: Biology 1001A and 1002B (Biology 1201A and 1202B with minimum marks of 70% in each may be used in place of Biology 1001A and 1002B); Chemistry 1301A/B and 1302A/B.

**Pathology**

- **Pathology**: Building on a foundation of anatomy, biochemistry, cell biology and physiology, and the understanding of normal mammalian systems, students move on to pathology—the study of human disease. Basic mechanisms underlying disease are investigated with an in-depth look at some of the major organ disorders (e.g., cardiovascular disease, kidney disease, neuropathology).
- **Medical Health Informatics**: Students combine foundational courses in both the medical sciences (such as understanding the biochemistry and pathophysiology of disease) and computer sciences (in algorithms, data structures, databases, computer networks and human-computer interaction).
- **One Health**: One Health is an integrated effort of multiple disciplines working locally, nationally and globally to attain optimal health for humans, animals and the environment.

**Physiology and Pharmacology**

- **Physiology**: Learn how complex cells work together to produce an integrated whole. Physiology courses and research span the whole spectrum of living organisms, from events at the molecular level to integrated responses of the whole animal.
- **Pharmacology**: Study how drugs act on biological systems to modify normal physiological functions. Understand the range of targets for drug action and the therapeutic uses of some important drugs. Discover the adverse effects of both drugs and chemicals on humans and other biological systems, and learn how technology is an integral part of risk/safety evaluation.

**Module Prerequisite Courses**

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Pathology</td>
<td>Enrolment in any of these modules is limited and requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for the Honors Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Health Informatics</td>
<td></td>
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<tr>
<td>Honors Specialization in One Health</td>
<td></td>
</tr>
<tr>
<td>Specialization in Pathology</td>
<td>Enrolment in this module requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Specialization module. See Admission to BMSc for more details.</td>
</tr>
<tr>
<td>Major in Pathology</td>
<td>The Major in Pathology can only be completed in combination with another Major leading to a BMSc degree and enrolment in this Major requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for this Major module. See Admission to BMSc for more details.</td>
</tr>
</tbody>
</table>
### Module: Major in Pharmacology
- Students completing either (but not both) of these Majors in a BMSc degree will register in the Major upon admission to Year 3 of the BMSc Program (see Admission to BMSc for more details). Students completing other degrees may register in one of these Majors beginning in Year 2. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%.

### Module: Major in Physiology

### Module: Specialization in Pharmacology
- Enrolment in any of these modules requires admission to Year 3 of the BMSc Program. The prerequisite courses (1000-level courses in biology, chemistry, math and physics) are specified in Medical Sciences 1 and must be completed with marks of at least 60%. Second year (usually Medical Sciences 2) requires completion of the 2000-level courses listed in the Admission Requirements for each Specialization module. See Admission to BMSc for more details.

### Module: Specialization in Physiology

### Module: Minor in Pharmacology
- Completion of first year requirements, including the following courses with minimum marks of 60% in each: Biology 1001A and 1002B (Biology 1201A and 1202B with minimum marks of 70% in each may be used in place of Biology 1001A and 1002B); Chemistry 1301A/B and 1302A/B.

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### Neuroscience - Bachelor of Science (BSc)

**Website**: [www.schulich.uwo.ca/bsc-neuroscience](http://www.schulich.uwo.ca/bsc-neuroscience)  Robarts Research Institute 3203  519-661-4039

Neuroscience is a highly interdisciplinary field of science devoted to unraveling the complexities of nervous system structure and function. Students will explore a broad range of current topics and theories concerning the nervous system, ranging from single neurons to complex circuits and behaviour.

### Module: Honors Specialization in Neuroscience
- Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to enter this module will be admitted. Completion of first-year requirements with no failures. Students must have a minimum average of 75% in the following 4.0 principal courses, with no mark below 60% in any of these (full or half) courses:
  - 1.0 course from: Biology 1001A or 1201A and Biology 1002B or 1202B.
  - 1.0 course: Psychology 1000.
  - 1.0 course: Chemistry 1301A/B and 1302A/B.
  - 1.0 course in physics must be completed prior to Year 3. Whether taken in first or second year, a minimum mark of 60% must be achieved in each of two courses in physics, as follows:
    - 0.5 course from: Physics 1028A/B, 1301A/B or 1501A/B.
    - 0.5 course from: Physics 1029A/B, 1302A/B or 1502A/B.
American Studies is an interdisciplinary program which explores literature, history, cultural criticism, politics, government, music, and the visual arts in an effort to better understand how Americans have understood and argued about the meaning and significance of their national identity.

**MODULE** | **PREREQUISITE COURSES**
--- | ---
Honors Specialization in American Cultural Studies | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principle courses below 60%; including American Studies 1020, plus 2.0 additional courses from Political Science 1020E, a first-year History, or a first-year English.
Major in American Studies | Completion of first-year requirements, including American Studies 1020 and 1.0 course from any first-year course(s) in Social Science, Arts & Humanities, Information and Media Studies, or Music; OR any 2.0 first-year courses in Social Science, Arts & Humanities, Information and Media Studies, or Music with a minimum mark of 60%.
Note: Students are advised that some of the upper-level courses in the module may have prerequisites that are not in the module. You may need to plan ahead or request special permission to enroll.
Minor in American Studies | Completion of first-year requirements, including American Studies 1020 and any first year course(s) in Social Science, Arts & Humanities, Information and Media Studies, or Music, with a minimum mark of 60%; OR any 2.0 first-year courses in Social Science, Arts & Humanities, Information and Media Studies, or Music with a minimum mark of 60%.
Anthropologists aim to understand human diversity through studying archaeology (past societies and their material remains), biological anthropology (human evolution and close biological relatives), sociocultural anthropology (historical and modern cultures) and linguistic anthropology (the relationship between language and culture). Some examples of anthropological study include forensics, the environmental impact of economic globalization, the plight of refugees in the Middle East and Africa, and diseases and public health policy in the Ecuadorian Andes. Teaching facilities include archaeology and biology labs, access to collections and personnel at the London Museum of Archaeology, an extensive collection of fossil casts and and comparative skeletal samples, including an Egyptian mummy donated by the Royal Ontario Museum.

### ECONOMICS

Economists study how individuals and societies allocate resources among alternative uses. Study ranges from research on how individuals make decisions, to the analysis of global economic policy initiatives. Students in economics study levels and types of government expenditure, causes of unemployment, the structure of international trading systems and international financial markets, the workings of the monetary and banking system, regulation of firms and antitrust policy, and growth and development of national economies.

#### Specific Program Admission Requirements

Grade 12U Advanced Functions (MHF4U) and Calculus and Vectors (MCV4U) are required for the Minor in Economics. Grade 12U Advanced Functions (MHF4U) and Calculus and Vectors (MCV4U) and university-level Calculus are required for the other modules in Economics.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Honors Specialization in Economics</strong></td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 principal courses: Economics 1021A/B and Economics 1022A/B, 0.5 course from Calculus 1000A/B or Calculus 1500A/B, and Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85% and Mathematics 1600A/B). Economics 1021A/B and 1022A/B, and Calculus 1000A/B or Calculus 1500A/B must be completed before admission to the module. Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%) and Mathematics 1600A/B can be taken after entering the module, but must be completed by the end of the second year in the module.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Global Economics</strong></td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 1.5 courses: Economics 1021A/B and 1022A/B, and 0.5 course from Calculus 1000A/B or 1500A/B. Students can enter the module without Political Science 1020E, but they must complete this course by the end of Year 2.</td>
</tr>
<tr>
<td><strong>Major in Economics</strong></td>
<td>Completion of first-year requirements including the following 1.5 courses with an average of 70% and no mark less than 60%: Economics 1021A/B and 1022A/B, and 0.5 course from: Calculus 1000A/B or 1500A/B.</td>
</tr>
<tr>
<td><strong>Specialization in Economics</strong></td>
<td>Completion of first-year requirements, including: Economics 1021A/B and 1022A/B with a grade of at least 60%. Students who fail to meet the 60% in Economics 1021A/B and 1022A/B may take a Specialization if they have a grade of at least 60% in each of Economics 2150A/B and 2152A/B. (Students should note the mathematics requirements for some of the courses required in the module.)</td>
</tr>
<tr>
<td><strong>Minor in Economics</strong></td>
<td>Completion of first-year requirements, including Economics 1021A/B and 1022A/B. Economics 2001A/B, with no mark less than 60%. Students who fail to meet the 60% in any of these courses may take a Minor if they have a grade of at least 60% in each of Economics 2150A/B and 2152A/B.</td>
</tr>
<tr>
<td><strong>HBA/Economics Combined Degree Program</strong></td>
<td>To be eligible for consideration for admission to the combined program, in the first two years students must complete a minimum of 10.0 courses including Business Administration 2257. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into an Honors Specialization module offered by the Department of Economics.</td>
</tr>
</tbody>
</table>
This interdisciplinary program explores the role of First Nations peoples in Canadian society, focusing on the Hodenosaunee (Iroquoian) and Anishnaabe (Ojibwe, Delaware, Potawatomi) traditions of southwestern Ontario. The program engages political, legal, cultural and linguistic perspectives on the First Nations through the standpoints and voices of First Nations people.

**MODULE** | **PREREQUISITE COURSES**
--- | ---
Honors Specialization in First Nations Studies | Completion of first-year requirements. Students must have an average of at least 70% in 3.0 principal courses, including First Nations Studies 1020E, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G and 1026F/G are recommended in first year.
Major in First Nations Studies | Completion of first-year requirements including First Nations Studies 1020E with a mark of at least 60%. Anthropology 1025F/G and 1026F/G are recommended in first year.
Minor in First Nation Studies | Completion of first-year requirements including First Nations Studies 1020E with a mark of at least 60%. Anthropology 1025F/G and 1026F/G are recommended in first year.

**GEOGRAPHY**

www.geography.uwo.ca  ▶  Social Science Centre 2322  ▶  519-661-3423

Geography is the study of the way the world works. Geographers address some of today’s most pressing social and environmental issues through research that links human activity and natural systems. Geographers are interested in the phenomena and processes that form the physical environment as well as the social, cultural, political and economic forces that shape human landscapes. At Western, our broad-based program provides students with training in both the social and physical science of geography as well as techniques such as GIS and remote sensing that are essential to answering geographical questions. Students participate in field trips and undergraduate research projects at the frontiers of social science and environmental science.

**MODULE** | **PREREQUISITE COURSES**
--- | ---
Honors Specialization in Geography - BA | Completion of first-year requirements with no failures. Students must have an average of at least 70% and no mark below 60% in 3.0 principal courses, including 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, plus 2.0 additional courses numbered 1000-1999.
Honors Specialization in Geography - BSc | Completion of first-year requirements with no failures. Students must have an average of at least 70% and no mark less than 60% in the 3.0 principal courses: 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, or Environmental Science 1021F/G, (with Geography 1300A/B recommended); 2.0 courses numbered 1000-1999 from the Faculty of Science (which may include Environmental Science 1021F/G if not used above) but may not include Astronomy 1011A/B, 1021, Biology 1225, 1229A/B, 1290B, Chemistry 1027A/B, Computer Science 1011A/B, 1032A/B, 1033A/B, Earth Sciences 1086F/G, 1088F/G, 1098F/G, Environment and Health 1086F/G, 1088F/G, 1098F/G, Mathematics 0100A/B, Physics 1021. Additional Requirements: 1.0 additional course numbered 1000-1999 from the Faculty of Science (which may include Environmental Science 1021F/G if not used above) but may not include Astronomy 1011A/B, 1021, Biology 1225, 1229A/B, 1290B, Chemistry 1027A/B, Computer Science 1011A/B, 1032A/B, 1033A/B, Earth Sciences 1086F/G, 1088F/G, 1098F/G, Mathematics 0100A/B, Physics 1021, 1.0 course numbered 1000-1999.
Honors Specialization in Geographic Information Science - BSc | Completion of first-year requirements with no failures. Students must have an average of at least 73% and no grade less than 60% in any of the 3.0 principal courses: 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Science 1021F/G, 0.5 course from: Computer Science 1025A/B, 1026A/B, 1032A/B, 1.5 course numbered 1000-1999.
Honors Specialization in Geography and Commercial Aviation Management - BA | Completion of first-year requirements with no failures. Students must have an average of at least 73% and no grade less than 60% in any of the 3.0 principal courses: 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Science 1021F/G, plus 2.0 additional courses numbered 1000-1999.
Honors Specialization in Geographic Information Science - BA | Completion of first-year requirements with no failures. Students must have an average of at least 70% and no mark below 60% in 3.0 principal courses, including 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, plus 2.0 additional courses numbered 1000-1999.
Honors Specialization in Urban Development - BA | Completion of 5.0 first-year courses with no failures. Students must have an average of at least 70% and no mark less than 60% in the 3.0 principal courses: 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Science 1021F/G, plus 2.0 additional courses numbered 1000-1999.
Major in Physical Geography | Completion of first-year requirements including 1.0 course from the following with a minimum of 60% in the courses taken: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, Environmental Science 1021F/G, Biology 1001A, 1002B, 1201A, 1202B.
Major in Geography | Completion of first-year requirements including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Sciences 1021F/G, with a mark of at least 60% in each of these courses.
Major in Geographic Information Sciences | Completion of first-year requirements including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Sciences 1021F/G, with a mark of at least 60% in each of these courses. Students should consult with the Department prior to admission. This module may not be combined with any other Geography module.
Major in Environment and Health Specialization in Geography | Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Sciences 1021F/G, with a mark of at least 60% in each of these courses. Students should consult with the Department prior to admission. This module may not be combined with any other Geography module.
Minor in Geography | Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Sciences 1021F/G, with a mark of at least 60% in each of these courses. Students should consult with the Department prior to admission. This module may not be combined with any other Geography module.
Specialization in Geography and Commercial Aviation Management - BA | Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, 1500F/G, Environmental Sciences 1021F/G, 0.5 course from: Computer Science 1025A/B, 1026A/B, 1032A/B, 0.5 course from: Category B or C: 3.0 courses numbered 1000-1999. To enter the program, students need 70% on the last 5.0 courses and a cumulative average of 65%. 

For up to date module, program and course offerings please see the Academic Calendar 2018 First Year Calendar
**MODULE** | **PREREQUISITE COURSES**
---|---
Honors Specialization In Geography / Honors Business Administration Combined Degree Program | To be eligible for consideration for admission to the combined program, in the first two years, students must complete a minimum of 10.0 courses, with a weighted average of 78%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into an Honors Specialization module offered by the Department of Geography.

Honors Specialization In Urban Development / Honors Business Administration Combined Degree Program | To be eligible for consideration for admission to the combined program, in the first two years, students must complete a minimum of 10.0 courses, with a weighted average of 78%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into an Honors Specialization in Urban Development module offered by the Department of Geography.

**HISTORY**

In History, you can take courses on a particular nation or region such as Canada, the United States, Europe, Asia, Latin America and the Middle East. Courses are organized around particular themes, including culture, gender, warfare, health and disease, politics, business and law.

**INTERNATIONAL RELATIONS**

International Relations is an interdisciplinary module that brings together historical and political science approaches to examine the multiple ways in which peoples, ideas, institutions, and states interact in a global setting. Students are advised to consult either the Department of History or the Department of Political Science for more detailed information regarding the programs in International Relations.

**JEWISH STUDIES**

These interdisciplinary modules examine the religious, social, economic, and cultural developments of Judaism and Jewish life, as well as relationships between Jews and other communities. Students can take courses in History, Religious Studies, Hebrew, Philosophy, Political Science, Women’s Studies, Film Studies, and Media, Information and Technoculture.
A unique program of its kind in Canada, DAN Management is a four-year interdisciplinary program combining management and social science courses using an evidence-based management approach and drawing on social science methodologies. DAN Management will help you to develop valuable skills in accounting, finance, consumer behavior and marketing, commercial aviation management, public administration, operations management, human resource management, and strategic management. The Degree provides a solid foundation for those interested in earning the CPA or CHRP professional designations after graduation, as well as pursuing a Graduate Diploma in Accounting.

Admission Requirements

Required

Six Grade 12U and/or M level courses including:
- English (ENG4U)
- Two of: Advanced Functions (MHF4U), Calculus and Vectors (MCV4U), or Math of Data Management (MDM4U)

Recommended

* Calculus and Vectors (MCV4U) and/or a university Calculus course is required prior to taking mandatory upper-year Economics courses in Finance for MOS and for pursuing a Major or Honors Specialization in Economics.

Enrolment is limited. Possession of minimum requirements does not guarantee admission.

Students may not apply into any of the DAN Management modules when they apply for admission to the University. After first year, students registered in DAN Management may apply to a BMOS Specialization (BMOS Four-Year Degree) if a 65% cumulative average is attained. After first year, students registered in DAN Management who wish to apply to the BMOS Honors Degree (Honors Specialization or Double Major) must meet the Admission Requirements for the module they wish to apply to. BMOS students applying to transfer from an Affiliated University College may apply with the stated first-year course requirements from that college and must meet Admission Requirements.

*Note: Students admitted without Calculus should be aware that to enrol in certain courses/modules they may be required to take Mathematics 0110A/B. When considering a course/module in another discipline, please check the Mathematics requirement(s). Students are responsible for ensuring they have completed the Mathematics and other entry requirements and prerequisites of the modules/courses they wish to take at particular course/module.

MANAGEMENT AND ORGANIZATIONAL STUDIES HONORS

The essential modules in the 20.0 course Bachelor of Management and Organizational Studies (BMOS) HONORS DEGREE must include either an HONORS SPECIALIZATION OR DOUBLE MAJOR. The Honors Double Major must include one of the five Majors in combination with another Major module from a discipline other than Management and Organizational Studies.

Honors Specialization

Enrolment in the BMOS Honors Specialization modules is limited. Meeting of minimal requirements does not guarantee admission. The four-year BMOS WITH HONORS SPECIALIZATION must include one of the following five Honors Specialization modules.

After first year, students may apply for admission upon completion of first-year requirements with no failures. Students must have an average of at least 73% on, and no grade less than 60% in, the 3.0 principal courses.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Accounting</td>
<td>3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course: numbered 1000-1999 (Computer Science 1032A/B is highly recommended); Additional first-year courses: 1.0 course Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies.</td>
</tr>
<tr>
<td>Honors Specialization in Finance</td>
<td>3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B*, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; Additional first-year courses: 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies. 1.0 course numbered 1000-1999 *Students considering the Honors Specialization in Finance are required to complete Calculus 1000A/B prior to taking Economics 2222A/B</td>
</tr>
<tr>
<td>Honors Specialization in Public Administration</td>
<td>3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course: Political Science 1020E. Additional first-year courses: 1.0 course numbered 1000-1999 from: Economics, Psychology or Sociology; 1.0 course numbered 1000-1999.</td>
</tr>
</tbody>
</table>
Honors Double Major

Enrolment in the BMOS Honors Double Major modules is limited. Meeting of minimal requirements does not guarantee admission. The four-year BMOS HONORS DOUBLE MAJOR must include one of the following five Major modules in combination with another Major module from a discipline other than Management and Organizational Studies.

After first year, students may apply for admission upon completion of first-year requirements with no failures. Students must have an average of at least 70% on, and no grade less than 60% in, the 3.0 principal courses.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Accounting</td>
<td>Completion of first-year requirements. 3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 10 course: numbered 1000-1999 (Computer 1032A/B is highly recommended); Additional first-year courses: 1.0 course: Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies.</td>
</tr>
<tr>
<td>Major in Consumer Behavior</td>
<td>Completion of first-year requirements. 3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 10 course: numbered 1000-1999; Additional first-year courses: 1.0 course numbered 1000-1999 from Psychology or Sociology. 1.0 course numbered 1000-1999 from: Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology, Women’s Studies.</td>
</tr>
<tr>
<td>Major in Finance</td>
<td>Completion of first-year requirements. 3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600AB, 10 course: numbered 1000-1999; Additional first-year courses: 1.0 course numbered 1000-1999 from Psychology or Sociology. 1.0 course numbered 1000-1999 from: Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology, Women’s Studies.</td>
</tr>
<tr>
<td>Major in Human Resource Management</td>
<td>Completion of first-year requirements. 3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600AB, 10 course: numbered 1000-1999; Additional first-year courses: 1.0 course numbered 1000-1999 from Psychology or Sociology. 1.0 course numbered 1000-1999 from: Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology, Women’s Studies.</td>
</tr>
<tr>
<td>Major in Commercial Aviation Management</td>
<td>Completion of first-year requirements. 3.0 principal courses: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600AB, 0.5 courses numbered 1000-1999; Additional first-year courses: 1.0 course from Economics 1021A/B and 1022A/B; 1.5 course numbered 1000-1999.</td>
</tr>
</tbody>
</table>

MANAGEMENT AND ORGANIZATIONAL STUDIES SPECIALIZATION (FOUR-YEAR)

The essential module in the 20.0 course Bachelor of Management and Organizational Studies (BMOS) FOUR-YEAR DEGREE is a SPECIALIZATION.

After first year, students in BMOS may enter a BMOS SPECIALIZATION if they earned a 65% cumulative average. Students in other programs may enter a BMOS SPECIALIZATION, if they have: a) achieved an overall average of 70% on the last 5.0 courses; b) a cumulative average of 65%.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization in Accounting</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 10 course: Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 1.0 course: numbered 1000-1999 (Computer 1032A/B is highly recommended).</td>
</tr>
<tr>
<td>Specialization in Consumer Behavior</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 10 course: Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 1.0 course: numbered 1000-1999.</td>
</tr>
<tr>
<td>Specialization in Finance</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 10 course: Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 1.0 course: numbered 1000-1999.</td>
</tr>
<tr>
<td>Specialization in Public Administration</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; 1.5 full-courses or equivalent numbered 1000-1999.</td>
</tr>
<tr>
<td>Specialization in Commercial Aviation</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B, 1022F/G and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600AB; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 1.0 course: numbered 1000-1999.</td>
</tr>
<tr>
<td>Specialization in Finance</td>
<td>5.0 first-year courses including: 1.0 course: MOS 1021A/B and 1023A/B; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; 1.5 full-courses or equivalent numbered 1000-1999.</td>
</tr>
</tbody>
</table>
Political Science involves how communities make collective decisions. You can study ideas, activities and problems associated with the governance of nations, states, and societies past and present. Learn about the impact of globalization on the nation state, the making of American foreign policy, the role of the courts in politics, political development in the Muslim world, and the multilevel governance of Canadian cities.

**MODULE** | **PREREQUISITE COURSES**
---|---
Honors Specialization in Political Science | Completion of first-year requirements with no failures. Students must have an average of at least 75% in 3.0 principal courses, including Political Science 1020E plus 2.0 additional courses, with no mark in these principal courses below 60%.

Honors Specialization in Politics, Philosophy and Economics - Politics and Philosophy (PPE-P) | Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students who wish to enroll will be accepted. Completion of first-year requirements with no failures. Students must complete 3.0 principal courses, including Political Science 1020E, Economics 1021A/B and 1022A/B, and 1.0 Philosophy course(s) at the 1000 level, with an average of at least 75% and no mark less than 70%, plus 2.0 additional courses at the 1000 level. Students must have successfully completed one of: MCV4U, Mathematics 010A/B, Mathematics 1225A/B, Calculus 1000A/B, or Calculus 1500A/B. Students may be admitted to the module if they have completed the math requirement and at least 2.0 of the required 3.0 principal courses. Students must complete the remaining 10 principal course within 12 months after entering the module.

Major in Political Science | Completion of first-year requirements including Political Science 1020E with a mark of at least 60%.

Minor in Political Science | To be eligible for consideration for admission to the combined program, within the first two years students must complete a minimum of 10.0 courses, with a weighted average of 78%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into Honors Specialization module offered by the Department of Political Science.

HBA/Political Science Combined Degree Program | To be eligible for consideration for admission to the combined program, within the first two years students must complete a minimum of 10.0 courses, with a weighted average of 78%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into Honors Specialization module offered by the Department of Political Science.

**PSYCHOLOGY**

Psychology is the scientific study of behavior covering such topics as normal and abnormal behavior, social interactions in small groups, the brain and behavior, and cognitive abilities in animals. We offer courses in almost every branch of psychology, including clinical, experimental, social, and developmental. Learn about sensory and perceptual processes, memory and cognition, personality assessment and organizational issues.

**MODULE** | **PREREQUISITE COURSES**
---|---
Honors Specialization in Psychology - BA | Completion of first-year requirements with no failures. Students must have an average of at least 75% in 3.0 principal courses, including the following Psychology and Mathematics courses, plus 10.0 additional courses, with no mark in these principal courses below 60%: Psychology 1000; 10 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 010A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B, Applied Mathematics 1201A/B, Statistical Sciences 1024A/B. If Mathematics 010A/B is selected then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. Mathematics 1228A/B and Statistical Sciences 1024A/B is the recommended combination. Enrolment in this module is limited. Meeting the minimum requirements does not guarantee entry.

Honors Specialization in Developmental Cognitive Neuroscience - BA | Completion of first-year requirements with no failures. Students must have an average of at least 75% in 3.0 principal courses, with no mark in these principal courses below 60%; 1.0 course from: Psychology 1000, 10 course from: Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Applied Mathematics 1201A/B, 1413, Statistical Sciences 1024A/B, 10 course from: Biology 1001 or 1201A and Biology 1002B or 1202B, 10 course from: Chemistry 1301A/B, 1302A/B, Computer Science 1025A/B, 1026A/B, 1027A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1501A/B and 1502A/B; 10 option. The principal courses include Psychology, a Mathematics/Calculus/Statistical Science course and one of the other Science courses. Enrolment in this module is limited. Meeting the minimum requirements does not guarantee entry.

Honors Specialization in Animal Behavior - BSc | See Biology Department (Faculty of Science).

Honors Specialization in Psychology/Honors Business Administration Combined Degree Program | Completion of first-year requirements with no failures. To be eligible for consideration for admission to the combined program, in the first two years, students must complete a minimum of 10.0 courses, with a weighted average of 78%, including Business Administration 2257 (with a minimum mark of 70%), and no mark less than 60%. In Year 1, they must complete the admission requirements as specified in the current Academic Calendar for entry into an Honors Specialization module offered by the Department of Psychology.

Honors Specialization in Neuroscience | The Honors Specialization in Neuroscience leads to a Bachelor of Science (BSc) degree offered by the Schulich School of Medicine & Dentistry. See page 52.

Major in Psychology | Completion of first-year requirements, including 10 course from Psychology 1000 with a mark of at least 60%. Students must also complete: 10 course from: Calculus 1000A/B, Calculus 1301A/B, Calculus 1500A/B, Calculus 1501A/B, or the former Calculus 1100A/B, the former Calculus 1201A/B, the former Linear Algebra 1600A/B, Mathematics 010A/B, Mathematics 1225A/B, Mathematics 1228A/B, Mathematics 1229A/B, Mathematics 1600A/B, Applied Mathematics 1201A/B, Statistical Sciences 1024A/B. If Mathematics 010A/B is selected then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. Mathematics 1228A/B and Statistical Sciences 1024A/B is the recommended combination.

Minor in Psychology | Completion of first year requirements, including Psychology 1000 with a mark of at least 60%.
SOCIOLOGY

Sociology seeks to understand how the society that surrounds us influences what we do and how we think. At Western you can learn about a wide range of subjects including criminology, inequality, social psychology, health and aging, social change, population studies, and the sociology of youth. The Department also offers courses in research methods that provide skills used in market research, polling, and social policy analysis.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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</thead>
</table>
| Honors Specialization in Sociology  
Honors Specialization in Criminology | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 from: Sociology 1020, 1021E, 1025A/B, 1026F/G, 1027A/B, plus 2.0 additional courses, with no mark in these principal courses below 60%. |
| Major in Sociology  
Major in Criminology  
Major in the Sociology of Population, Aging and Health  
Minor in Sociology  
Minor in Criminology | Completion of first-year requirements, including 1.0 from: Sociology 1020, 1021E, 1025A/B, 1026F/G, 1027A/B with a mark in each Sociology course of at least 60%. |
| Specialization in Sociology | Completion of first-year requirements, including Sociology 1020 or Sociology 1021E with a mark of at least 60%. |

TRANSITIONAL JUSTICE AND POST-CONFLICT RECONSTRUCTION

tjcentre.uwo.ca  
Social Science Centre 1016C  
519-661-2111 x89297

Scholars have begun to consider issues of development, democracy, the environment, the economy, human rights, politics, peace agreements and justice before, at the time of, and post-transition—all as a part of what has come to be called transitional justice.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor in Transitional Justice and Post-Conflict Reconstruction</td>
<td>Completion of first-year requirements including 1.0 essay course in Social Science or Arts and Humanities with a mark of at least 60%.</td>
</tr>
</tbody>
</table>

WOMEN’S STUDIES AND FEMINIST RESEARCH

www.uwo.ca/womens  
Lawson Hall 3260  
519-661-3759

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Modules (Honors Specialization, Majors, Specialization, Minors)</td>
<td>See Inter-Faculty Departments/Modules on page 36.</td>
</tr>
</tbody>
</table>
AFFILIATED UNIVERSITY COLLEGES

The three affiliated university colleges—Brescia (Canada’s only Women’s University), Huron (Western’s founding institution), and King’s (a Catholic, co-ed University)—are residential, liberal arts colleges specializing in student-centred education. Each campus offers students the advantages of a small campus in the context of a large, world-class, multi-faceted university. The campuses are academic units of Western and maintain the same academic standards. Affiliated University College students enjoy all the rights and privileges as the main campus student body, can participate in Western’s extracurricular activities, athletics, and health services and, most importantly, receive their degrees from Western. Applicants to one of the affiliated university colleges are eligible for the admission scholarships and residences of that campus. Students who wish to be considered for admission to an affiliated college, must specify the particular program and campus as one of their choices on the OUAC application. To obtain additional information about each of the affiliated university colleges, please contact the respective Registrar’s Office.

PROGRAMS AVAILABLE AT ALL UNIVERSITY COLLEGES

All campuses offer modules leading to the 3-year, 4-year and honors degrees. The majority of these modules fall within the disciplines found in the Faculties of Arts and Humanities and Social Science. Honors Specializations, Specializations, Majors and Minors are offered in disciplines that are the same as the main campus as well as programs which are unique to each of the affiliated university colleges. Students entering first-year in Arts and Social Science programs will have the opportunity to sample courses from a broad range of disciplines. Counsellors will assist students in selecting courses for their first year as well as determining progression into upper year programs.

Brescia University College

- 3-year, 4-year, and 4-year Honors BA
- 4-year Bachelor of Management and Organizational Studies
- 4-year and 4-year Honors BSc (Foods & Nutrition)
- 4-year and 4-year Honors BSc (Human Ecology) programs in Family Studies
- 3-year and 4-year Honors BA (Human Ecology) programs in Family Studies and Nutrition and Families
- Diploma in Dietetic Education and Practical Training
- Diploma in Foods and Nutrition
- Diploma in Management Studies
- Diploma in Management Studies with Work Placement
- Certificate in Community Development
- Master of Science in Foods and Nutrition

Preliminary Year

Brescia offers a coeducational qualifying year for admission into first year university. Students entering this program must have a minimum 23 credits toward the OSSD. A minimum ‘B’ average in an academic program oriented toward university studies (with most courses at the advanced level of difficulty) is required for admission consideration.

Huron University College

- 3-year, 4-year, and 4-year Honors BA
- 4-year Bachelor of Management and Organizational Studies
- 3-year, 4-year Bachelor of Theology
- Master of Arts, Theology
- Master of Divinity
- Master of Theological Studies

King’s University College

- 3-year, 4-year, and 4-year Honors BA
- 4-year Bachelor of Management and Organizational Studies
- 4-year program in Social Work (BSW Honors)
- Master of Social Work (MSW)
- Certificate and Diploma in Childhood and Advocacy
- Certificate and Diploma in Childhood in the Justice System
- Certificate in Loss, Grief and Bereavement Studies

For up to date module, program and course offerings please see the Academic Calendar

2018 First Year Calendar
### ENGLISH

- **Honors Specialization in English Language and Literature**
  - Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from English 1020E to 1999, plus 2.0 additional courses, with no mark in these principal courses below 60%.

- **Specialization in English Language and Literature**
  - Completion of first-year requirements, including 1.0 course from English 1020E to 1999, with a mark of at least 60%.

- **Major in English Language and Literature**
  - Completion of first-year requirements, including 1.0 course from English 1020E to 1999 with a mark of at least 60%. Students will be eligible for an Honors BA with a double major if they obtain a 70% average in the courses of each major module with no mark less than 60% in each course. No failures on options.

- **Minor in English Language and Literature Minor in English for Teachers**
  - Completion of first-year requirements, including 1.0 course from English 1020E to 1999, with a mark of at least 60%. Students should consult with the Department prior to admission.

- **Minor in General English**
  - Completion of first-year requirements, including 1.0 course from English 1020E or 1022E or 1024E or 1035E or 1036E or both of English 1027F/G and 1028F/G with a mark of at least 60%. Students should consult with the Department prior to admission.

### FAMILY STUDIES

- **Honors Specialization in Family Studies - BSc (Human Ecology)**
  - Completion of first-year requirements with no failures and an average of at least 70% in the following principal courses with no mark less than 60%: 1.0 from Family Studies 1000-level courses, 1.0 from Sociology 1000-level courses or Psychology 1000; Chemistry 1301A/B and 1302A/B or the former Chemistry 1100A/B and the former Chemistry 1200B or the former Chemistry 1050; Foods and Nutrition 1030E or 1021.

- **Honors Specialization in Family Studies - BA (Human Ecology)**
  - Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark below 60% in the following principal courses: 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000, plus 1.0 additional course. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041.

- **Honors Specialization in Families and Communities - BA (Human Ecology)**
  - Admission into this module is a two-step process
    - **Academic Requirements**
      - Completion of first-year requirements with no failures. Students must have an average of at least 70% in these principal courses: 1.0 from Sociology 1000-level courses, and 1.0 from Family Studies 1000-level courses, with no mark below 60%. It is recommended that students take Psychology 1000.
    - **Additional Requirements**
      - To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.

- **Honors Specialization in Nutrition and Families - BA (Human Ecology)**
  - Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark below 60% in the following principal courses: Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000.

- **Specialization in Family Studies - BSc (Human Ecology)**
  - Completion of first-year requirements with no failures and an average of at least 65% in the following principal courses with no mark less than 60%: 1.0 from Family Studies 1000-level courses, 1.0 from Sociology 1000-level courses or Psychology 1000; Chemistry 1301A/B and Chemistry 1302A/B or the former Chemistry 1100A/B and the former Chemistry 1200B or the former Chemistry 1050; Foods and Nutrition 1030E or Foods and Nutrition 1021.

- **Specialization in Family Studies - BA (Human Ecology)**
  - Completion of first-year requirements with no failures. Students must have an average of at least 60% with no mark below 60% in the following principal courses: 1.0 from Family Studies 1000-level courses and 1.0 from Sociology 1000-level courses or Psychology 1000, plus 1.0 additional course. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or Psychology 3434E instead of Psychology 2041.

- **Specialization in Nutrition and Families - BA (Human Ecology)**
  - Completion of first-year requirements with no failures. Students must have an average of at least 60% with no mark below 60% in the following principal courses: Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000.

- **Major in Family Studies - BA (Human Ecology)**
  - Completion of first-year requirements, including 1.0 from Family Studies 1000-level courses and 1.0 from Sociology 1000-level courses or Psychology 1000, with a mark of at least 60% in each of these courses. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041.
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Nutrition and Families - BA (Human Ecology)</td>
<td>Completion of first-year requirements, including Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000, with a mark of at least 60% in each of these courses.</td>
</tr>
<tr>
<td>Minor in Family Studies (to be combined with any eligible degree)</td>
<td>Completion of first-year requirements, including 1.0 from Family Studies 1000-level courses and 1.0 from Sociology 1000-level courses or Psychology 1000, with a mark of at least 60% in each of these courses. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041.</td>
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</tbody>
</table>

**FOODS AND NUTRITION**

| Honors Specialization in Nutrition and Dietetics | Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 4.0 courses with no mark below 60%: Chemistry 1301A/B and 1302A/B or the former Chemistry 1100A/B and 1200B, the former Chemistry 1050, the former Chemistry 1020, Biology 1290B, Foods and Nutrition 1030E; Business Administration 1220E, 0.5 course numbered 1000-1999. |
| Honors Specialization in Food Science and Technology | Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 5.0 courses with no mark below 60%: Chemistry 1301A/B and 1302A/B, or the former Chemistry 1100A/B and 1200B, the former Chemistry 1050, Biology 1290B, Food and Nutrition 1030E; Business Administration 1220E; Computer Science 1032A/B, Calculus 1000A/B, 1500A/B, or the former Calculus 1100A/B, Mathematics 1225A/B, Physics 1028A/B. |
| Honors Specialization in Nutrition and Families - BA (Human Ecology) | Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark below 60% in the following principal courses: Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000. |
| Honors Specialization in Nutrition and Dietetics/HBA Combined Degree Program | To be eligible for consideration for admission to the combined program, in the first two years, students must complete a minimum of 10.0 courses including Business Administration 2257. In Year 1 they must complete the admission requirements as specified in the current Academic Calendar for entry into the Honors Specialization in Nutrition and Dietetics module offered by the Division of Food and Nutritional Sciences at Brescia University College (and the Faculty of Science).

In Year 2 students must enroll in the Honors Specialization in Nutrition and Dietetics and satisfy the minimum progression requirements for the second year of that Honors Specialization. In the first two years, students must attain a minimum weighted average of 78%, a minimum mark of 70% in Business Administration 2257, and no mark less than 60%. They must also gain admission to the HBA program through the regular application process. In addition, students must normally attain a minimum weighted average of 78% in the first year of the HBA.

Students apply for the combined degree program during the HBA 1 year, typically their third year of University. Applications to the combined program must be made in writing to the Senior Academic Advisor at Brescia University College and to the HBA Program Office by the deadlines published by the Richard Ivey School of Business.

Year 1
5.0 courses including 3.5 required courses:
3.5 courses: Biology 1290B, Business Administration 1220E, Chemistry 1301A/B, 1302A/B (or the former Chemistry 1100A/B, 1200B), Foods and Nutrition 1030E
1.5 courses from: Humanities and Social Sciences

Specialization in Nutrition and Families - BA (Human Ecology) | Completion of first-year requirements with no failures. Students must have an average of at least 60% with no mark below 60% in the following principal courses: Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000. |

Specialization in Foods and Nutrition | Completion of first-year requirements with no failures. Students must have an average of at least 68% in the following 4.0 courses: Chemistry 1301A/B, 1302A/B or the former Chemistry 1100A/B and 1200B, the former Chemistry 1050, Biology 1290B, Foods and Nutrition 1030E; Business Administration 1220E; 0.5 course numbered 1000-1999.

Progression Requirements to remain in a Specialization in Foods and Nutrition:
Students must maintain a modular average of 68% or above.

Major in Nutrition and Families - BA (Human Ecology) | Completion of first-year requirements, including Foods and Nutrition 1021 or 1030E, 1.0 from Family Studies 1000-level courses, and 1.0 from Sociology 1000-level courses or Psychology 1000, with a mark of at least 60% in each of these courses. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041. |

Minor in Foods and Nutrition | Completion of first-year requirements in the Health Sciences, Kinesiology, Biology or Biomedical Sciences program with an average of 70% and no failures. Students must have an average of at least 70% in 3.0 courses including Foods and Nutrition 1021 with a mark of at least 70%, and Chemistry 1301A/B and 1302A/B or the former Chemistry 1100A/B and 1200B, the former Chemistry 1020, the former Chemistry 1050 with a mark of at least 60%. Enrolment is limited and meeting the minimum requirements does not guarantee acceptance into the module. |

Minor in French for Food and Nutritional Sciences | Completion of first-year requirements, including French 1900E or 1910 with a mark of at least 60%, or permission of the Department. |
<table>
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</table>
| FRENCH                                      | **Honors Specialization in French Language and Literature**  
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including French 1900E or French 1910 (or permission of the Department) plus 2.0 additional courses, with no mark in these principal courses below 60%.  

**Honors Specialization in French Linguistics and Literature**  
Honors Specialization in French Language and Linguistics  
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including French 1900E or 1910 (or permission of the Department) plus 2.0 additional courses, with no mark in these principal courses below 60%.  

**Major in French for Teaching**  
Completion of first-year requirements, including 1.0 course from French 1900E or 1910 with a mark of at least 60%.  

**Major in French Studies**  
Specialization in French Studies  
Minor in French for Food and Nutritional Sciences  
Completion of first-year requirements, including French 1900E or 1910 with a mark of at least 60%, or permission of the Department.  

**HEALTH SCIENCES**  
Students may apply to take a Major or Minor module in the Bachelor of Health Sciences program while enrolled at Brescia University College. Due to the limited enrolment nature of the program, applications for the Major module for both internal and external senior transfer students from Brescia (i.e., those who wish to transfer in Year 2, 3 or 4) will be assessed by the Bachelor of Health Sciences Program in the Faculty of Health Sciences. Please consult the Academic Counsellor at Brescia University College for further information.  

**Major in Health Sciences**  
Minor in Health Sciences  
Completion of first-year requirements, including 1.0 course from History 1201E, 1401E, 1601E, 1801E, 1803E, 1805E or the former 1403E, 1701E and 2.0 additional courses, with no mark in these principal courses below 60%.  

**Major in History**  
Specialization in History  
Minor in History  
Completion of first-year requirements, including 1.0 course from History 1201E, 1401E, 1601E, 1801E, 1803E, 1805E or the former 1403E, 1701E with a minimum mark of 60%.  

**Major in Canadian Social and Environmental History**  
Completion of first-year requirements, including 1.0 course in History at the 1000 level with a minimum mark of 60%.  

**Minor in Canadian Studies**  
Completion of first-year requirements with no failures, including 3.0 courses with a minimum average of 60%.  

**LEADERSHIP STUDIES**  
**Major in Leadership Studies**  
Completion of first-year requirements with no failures. Students must have an average of at least 65% in 3.0 principal courses, including Leadership Studies 1031 plus 2.0 additional courses, with no mark in these principal courses below 60%. At least 1.0 course in English, Management and Organizational Studies, History, Political Science, Psychology, or Sociology at the 1000 level is recommended in order to satisfy prerequisites for courses in the module.  

**MANAGEMENT AND ORGANIZATIONAL STUDIES**  
**Honors Specialization in Food Management**  
* M OS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.  

**Honors Specialization in Nonprofit Management**  
5.0 first year courses: Business Administration 1220E; 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; Dimensions of Leadership 1031; MOS 1025A/B; Sociology 1050A/B; 1.0 course numbered 1000-1999.  
* MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.  

**Specialization in Consumer Behaviour**  
5.0 first year courses: Business Administration 1220E; 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; Business Administration 1020 or 1021E; 1.0 course numbered 1000-1999 from: Dimensions of Leadership, Family Studies, History, Political Science, Psychology, Sociology; 1.0 course numbered 1000-1999.  
* MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.  

**Specialization in Food Management**  
5.0 first year courses: Business Administration 1220E; 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; Foods and Nutrition 1021 or 1030E; 1.0 course numbered 1000-1999 from: Dimensions of Leadership, Family Studies, History, Political Science, Psychology, Sociology; 1.0 course numbered 1000-1999.  
* MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.
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<tr>
<td><strong>Specialization in Nonprofit Management</strong></td>
<td>5.0 first-year courses: Business Administration 1220E; 10 course from Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; Dimensions of Leadership 1031; MOS 1025A/B; Sociology 1050A/B; 1.0 course numbered 1000-1999. * MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.</td>
</tr>
<tr>
<td><strong>Major in Accounting</strong></td>
<td>In addition to the above requirements, 2.0 additional courses are required: 1.0 course: Economics 1021A/B and 1022A/B; 1.0 course numbered 1000-1999* * Computer Science 1032A/B is highly recommended.</td>
</tr>
<tr>
<td><strong>Major in Consumer Behavior</strong></td>
<td>In addition to the above requirements, 2.0 additional courses are required: 1.0 course from: Psychology 1000; Sociology 1020 or 1021E; 1.0 course numbered 1000-1999.</td>
</tr>
<tr>
<td><strong>Major in Food Management</strong></td>
<td>In addition to the above requirements, 2.0 additional courses are required: 1.0 course numbered 1000-1999 from: Anthropology, Dimensions of Leadership, Geography, History, Political Science, Psychology, Sociology; 10 course: Foods and Nutrition 1021 or 1030E.</td>
</tr>
</tbody>
</table>

**Note:** Students admitted without Calculus should be aware that to enrol in certain courses/modules they may be required to take Mathematics 0110A/B. When considering a course/module in another discipline, please check the Mathematics requirement(s). Students are responsible for ensuring they have completed the Mathematics and other entry requirements and prerequisites of the modules/courses they wish to take.

### POLITICAL SCIENCE

**Major in Political Science**
- Completion of first-year requirements, including Political Science 1020E, with a mark of at least 60%.

**Minor in Political Science**
- Completion of first-year requirements, including a course in Political Science at the 1000 level with a mark of at least 60%.

**Minor in Public Administration**
- Completion of first-year requirements, including a course in Public Administration at the 1000 level with a mark of at least 60%.

### PSYCHOLOGY

**Honors Specialization in Psychology**
- Completion of first-year requirements with a minimum average of at least 75% in 3.0 principal courses, comprised of the following Psychology and Mathematics courses, and 10 additional courses, with no mark in these principal courses below 60%: 1.0 course in Psychology at the 1000 level, 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 0110A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B; Applied Mathematics 1201A/B, Statistical Sciences 1024A/B. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. Mathematics 1228A/B and Mathematics 1229A/B are preferred.

**Major in Psychology**
- Completion of first-year requirements, including a course in Psychology at the 1000 level with a mark of at least 60%.

**Minor in Psychology**
- Completion of first-year requirements, including a course in Psychology at the 1000 level with a mark of at least 60%.

**Specialization in Psychology**
- Completion of first-year requirements, including the following 2.0 courses with a mark of at least 60%: 1.0 course in Psychology at the 1000 level, 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 0110A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B; Applied Mathematics 1201A/B, Statistical Sciences 1024A/B. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. Mathematics 1228A/B and Mathematics 1229A/B are preferred.

### RELIGIOUS STUDIES AND PHILOSOPHY

**Major in Philosophy**
- Completion of first-year requirements. 1.0 course from Philosophy 1100E, 1200, 1230A/B, 1250F/G, 1300E, 1350F/G or 1370A/B is recommended.

**Major in Religious Studies**
- Completion of first-year requirements, including 1.0 course in Religious Studies at the 1020 or 1030 level with a mark of at least 60%.

**Minor in Women and Christianity**
- Completion of first-year requirements.

**Minor in Philosophy**
- Completion of first-year requirements.

**Minor in Religious Studies**
- Completion of first-year requirements and at least a 0.5 course in Religious Studies with a mark of at least 60%.

**Minor in Religious Studies and Philosophy**
- Completion of first-year requirements, including 1.0 course at the 1020 or 1030 level in Religious Studies with a mark of at least 60%. Completion of 1.0 course in Philosophy at the 1000 level is recommended.

**Major in Spirituality and Community Leadership**
- Admission into this module is a two-step process:
  - **Academic Requirements:**
    - Completion of first-year requirements, including Religious Studies 1031E, Dimensions of Leadership 1031, and 1.0 from Sociology courses at the 1000 level, or permission of the Department.
  - **Additional Requirements:**
    - To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student's program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrollment. Priority will be given to students already registered at Brescia.

For up to date module, program and course offerings please see the Academic Calendar.

2018 First Year Calendar
### SCHOOL OF KINESIOLOGY

Students may apply for admission to the Major module in the Kinesiology BA program while enrolled at Brescia University College. Due to the limited enrolment nature of the program, applications for the Major module for both internal and external senior transfer students from Brescia (i.e., those who wish to transfer in Year 2, 3 or 4) will be assessed by the School of Kinesiology in the Faculty of Health Sciences. Brescia students doing a double Major that includes a Kinesiology Major module will receive the degree associated with the program in which they are enrolled at Brescia University College. Please consult the Academic Counsellor at Brescia University College for further information.

### SOCIOLOGY

| Honors Specialization in Families and Communities - BA (Human Ecology) | Admission into this module is a two-step process:  
| Academic Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in these principal courses: 1.0 from Sociology 1000-level courses, and 1.0 from Family Studies 1000-level courses, with no mark below 60%. It is recommended that students take Psychology 1000.  
| Additional Requirements | To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.  

| Honors Specialization in Sociology | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%.  
| Academic Requirements | Admission into this module is a two-step process:  
| Additional Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G is recommended.  
| Additional Requirements | To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.  

| Honors Specialization in Community Development in a Global Context | Admission into this module is a two-step process:  
| Academic Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G is recommended.  
| Additional Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G is recommended.  
| Additional Requirements | To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.  

| Honors Specialization in Community and Criminal Justice | Admission into this module is a two-step process:  
| Academic Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G is recommended.  
| Additional Requirements | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 from Sociology courses at the 1000 level, plus 2.0 additional courses, with no mark in these principal courses below 60%. Anthropology 1025F/G is recommended.  
| Additional Requirements | To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.  

| Major in Sociology  
Major in Criminal Justice  
Minor in Community Development  
Minor in Criminal Justice  
Minor in the Sociology of Gender | Completion of first-year requirements, including 1.0 from Sociology courses at the 1000 level with a mark of at least 60% in each course.  
| Major in Community Development | Admission into this module is a two-step process:  
| Academic Requirements | Completion of first-year requirements, including 1.0 from Sociology courses at the 1000 level, with a mark of at least 60% in each course.  
| Additional Requirements | Completion of first-year requirements, including 1.0 from Sociology courses at the 1000 level, with a mark of at least 60% in each course.  
| Additional Requirements | To register in this module, students are required to submit a Community Development Application Form by February 28 (late applications will be considered at the discretion of the program). Because of the community placement requirement of this module, each student who has applied to the program will be interviewed for suitability for admission. Normally, interviews will be completed by March 30, with interviews prioritized by year of each student’s program (e.g., students entering 4th year will be interviewed first). Enrolment in this module is limited. Meeting the minimum requirements does not guarantee that students wishing to transfer into this module will be offered enrolment. Priority will be given to students already registered at Brescia.  

Please consult the Academic Counsellor at Brescia University College for further information.
### Modules Offered Leading to 3-Year, 4-Year, 4-Year Honors and BMOS Degrees

- **China Studies**
  - Minor in China Studies
- **Chinese**
  - Minor in Chinese; Minor in Chinese Business Communications
- **Communicating Cultures**
  - Minor in Communicating Cultures
- **East Asia Studies**
  - Major and Minor in East Asia Studies
- **Economics**
  - Honors Specialization and Major in Economics
  - Major in Finance
  - Minor in Economic Theory
- **English and Cultural Studies**
  - Honors Specialization, Major, and Specialization in English Language and Literature
  - Minor in English; Contemporary English Literature; and English for Teachers
- **French Studies**
  - Honors Specialization, Major, and Minor in French Language and Literature
  - Specialization, Major and Minor in French Studies
  - Minor in French Language
- **Global Culture Studies**
  - Honors Specialization, Specialization, Major, Minor in Global Culture Studies
- **Global Development Studies**
  - Honors Specialization, Specialization, Major, Minor in Global Development Studies
- **Global Gender Studies**
  - Honors Specialization in Global Gender Studies
- **Global Health Studies**
  - Honors Specialization in Global Health Studies
- **Global Rights Studies**
  - Honors Specialization, Specialization in Global Rights Studies
- **Globalization Studies**
  - Honors Specialization, Specialization, Major, Minor in Globalization Studies
- **Governance, Leadership and Ethics**
  - Major in Governance, Leadership and Ethics

### History
- Honors Specialization, Major, Specialization and Minor in History
- Minor in World History; Minor in the Atlantic World; Minor in Studies in Imperialism; Minor in Pacific Rim Studies; Minor in Histories of Africa and African Diasporas; Minor in Public History

### Japan Studies
- Minor in Japan Studies

### Japanese Studies
- Minor in Japanese

### Jewish Studies
- Major and Minor in Jewish Studies

### Management and Organizational Studies
- Honors Specialization, Specialization, and Major in Accounting
- Honors Specialization and Specialization in Finance and Administration
- Honors Specialization and Specialization in Organizational Studies, Policy, and Ethics
- Major in Management and Organizational Studies

### Philosophy
- Honors Specialization, Major, Specialization and Minor in Philosophy
- Honors Specialization and Specialization in Philosophy, Reasoning and Ethics
- Major in Philosophy in Commerce
- Minor in Ethics; and Religious Studies and Philosophy.

### Political Science
- Honors Specialization, Major, and Minor in Political Science
- Major and Minor in Political Studies: Globalization and Governance
- Major and Minor in Political Studies: Ideology and Identity
- Major and Minor in Political Studies: State and Policy

### Psychology
- Honors Specialization in Psychology - BA
- Major and Minor in Psychology

### Theology
- Major and Minor in Biblical Studies
- Major and Minor in Theology and Religious Ethics

### Combined Degree Programs
- Honors Business Administration (HBA) with Honors Specialization in Global Development Studies, Globalization Studies or Global Culture Studies
- Honors Business Administration (HBA) with Honors Specialization in Psychology

For More Information

Detailed information on these modules and their requirements are available at the main Academic Calendar website. Further information on Huron University College is also available at [www.huronuc.ca](http://www.huronuc.ca).
### PREREQUISITE COURSES

#### CANADIAN STUDIES
- **Minor in Canadian Studies**: Completion of first-year requirements with no failures, including 3.0 principal courses with a minimum average of 60%.

#### CATHOLIC STUDIES
- **Honors Specialization in Catholic Studies**: Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses including 0.5 course in Religious Studies with no mark in these principal courses below 60%. Religious Studies 1027E is recommended.
- **Honors Specialization in Catholic Studies for Teachers**: Completion of first-year requirements with an overall average of at least 75% on at least 5.0 courses including Religious Studies 1027E and the required first-year course for a declared second teachable subject. Philosophy 1300E or Philosophy 1150E is highly recommended. Enrollment in these programs is limited. Meeting the minimum requirements does not guarantee acceptance.
- **Major in Catholic Studies**: Completion of first-year requirements and at least a 0.5 course in Religious Studies with a mark of at least 60%. Religious Studies 1027E is recommended.
- **Minor in Catholic Studies**: Completion of first-year requirements, with at least 0.5 course in Religious Studies. Religious Studies 1027E is recommended.
- **Minor in Catholic Studies for Teachers**: Completion of first-year requirements. Religious Studies 1027E is recommended.

#### CHILDHOOD AND SOCIAL INSTITUTIONS
- **Honors Specialization in Childhood and Social Institutions**: Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principal courses below 60%. Note: CSI 1025F/G is not required for admission to the module, however, students must complete this course with a minimum grade of 60% prior to graduation. This course is also a prerequisite for CSI 2210F/G.
- **Major in Childhood and Social Institutions**: Completion of first-year requirements. Note: CSI 1025F/G is not required for admission to the module; however, students must complete this course with a minimum grade of 60% prior to graduation. This course is also a prerequisite for CSI 2210F/G.

#### DISABILITY STUDIES
- **Major in Disability Studies**: Completion of first-year requirements, including Disability Studies 1010A/B, or the former Interdisciplinary Studies 1010A/B, with a minimum grade of 60%.
- **Minor in Disability Studies**: Completion of first-year requirements, including Disability Studies 1010A/B, or the former Interdisciplinary Studies 1010A/B, with a minimum grade of 60%.

#### ECONOMICS
- **Honors Specialization in Economics**: Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark less than 60% in 3.0 principal courses, including an average of 70% and no grades less than 60% in the following 2.0 courses: Economics 1021A/B and 1022A/B; 0.5 from Mathematics 1225A/B, 1230A/B, Calculus 1000A/B AND 0.5 from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, or Calculus 1501A/B.
- **Major in Economics**: Completion of first-year requirements, including the following 3.0 courses with an average of 70% and no grade less than 60% in any subject: Economics 1021A/B and 1022A/B; 0.5 from Mathematics 1225A/B, 1230A/B, Calculus 1000A/B AND 0.5 from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, or Calculus 1501A/B.
- **Major in Finance**: Completion of first-year requirements, including the following 3.0 courses with an average of 70% and no grade less than 60%: Business Administration 1220E; Economics 1021A/B and 1022A/B; 0.5 from Mathematics 1225A/B, 1230A/B, Calculus 1000A/B AND 0.5 from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, or Calculus 1501A/B.
- **Specialization in Financial Economics**: Completion of first-year requirements, including Economics 1021A/B and 1022A/B, with a minimum grade of 60% in each; Mathematics 0100A/B, or MHF4U plus (MCB4U or MCV4U); 0.5 course from Mathematics 1225A/B, 1230A/B, Calculus 1000A/B; AND 0.5 course from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, or Calculus 1501A/B. *Students who fail to meet the 60% requirement in each of Economics 1021A/B and Economics 1022A/B (or the former Economics 1020) may be admitted to the Specialization after second year, if a minimum grade of 60% is obtained in each of Economics 2150A/B and Economics 2152A/B, and the mathematics requirements noted above are met.
- **Minor in Economics**: Completion of first-year requirements, including Economics 1021A/B and 1022A/B, or Economics 1020 with a mark of at least 60%. Students who fail to meet the 60% in Economics 1021A/B and 1022A/B, or Economics 1020 may take a Minor module if they have a mark of at least 60% in each of Economics 2150A/B and 2152A/B. (Students should note the Mathematics requirement for some of the courses required in the module.)
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor in Finance</td>
<td>Completion of first year, including Economics 1021A/B and Economics 1022A/B, with a mark of at least 60% in each; Mathematics 0110A/B (or Grade 12U Advanced Functions and Introductory Calculus MCB4U, or equivalent); 0.5 from Mathematics 1225A/B, 1230A/B, Calculus 1000A/B; and 0.5 from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, or Calculus 1501A/B.</td>
</tr>
<tr>
<td>ENGLISH, FRENCH, AND WRITING</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in English Language and Literature</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from English 1000 to 1999 plus 2.0 additional courses, with no mark in these principal courses below 60%. (Principal courses refers to the next two courses with the highest grades).</td>
</tr>
<tr>
<td>Major in English Language and Literature</td>
<td>Completion of first-year requirements, including 1.0 from English 1000 to 1999 with a mark of at least 60%. Students will be eligible for an Honors BA with a double major if they obtain a 70% average in the courses of each major module with no mark less than 60% in each course. No failures on options.</td>
</tr>
<tr>
<td>Specialization in English Language and Literature</td>
<td>Completion of first-year requirements, including 1.0 course from: English 1000 to 1999 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in English for Teachers Minors in General English</td>
<td></td>
</tr>
<tr>
<td>Minor in English Language and Literature</td>
<td>Completion of first-year requirements, including 1.0 course from: English 1000 to 1999, with a mark of at least 60%. Students should consult with the Department prior to admission.</td>
</tr>
<tr>
<td>Honors Specialization in French Language and Literature</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including French 1900E or 1910 plus 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in French Language and Literature</td>
<td>Completion of first-year requirements, including French 1900E or 1910 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Specialization in French Studies Minor in French Language and Literature</td>
<td>Completion of first-year requirements, including French 1900E or 1910 with a mark of at least 60% or permission of the Department of Modern Languages.</td>
</tr>
<tr>
<td>HISTORY</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in History</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark in these principal courses below 60%, and including at least 0.5 course from History 1401E, 1404E, 1601E, 1801E, 1812F/G, 1813F/G or 1814F/G, 1820F/G, 1901E.</td>
</tr>
<tr>
<td>Major in History</td>
<td>Completion of first-year requirements, including at least 0.5 course with a mark of at least 60% from History 1401E, 1404E, 1601E, 1801E, 1812F/G, 1813F/G or 1814F/G, 1820F/G, 1901E.</td>
</tr>
<tr>
<td>Minor in History</td>
<td>Completion of first-year requirements, including at least 0.5 course with a mark of at least 60% from History 1401E, 1404E, 1601E, 1801E, 1812F/G, 1813F/G or 1814F/G, 1901E.</td>
</tr>
<tr>
<td>Minor in Public History</td>
<td>Completion of first-year requirements, including a course in History with a minimum mark of 60%.</td>
</tr>
<tr>
<td>JEWISH STUDIES</td>
<td></td>
</tr>
<tr>
<td>Major in Jewish Studies Minors in Jewish Studies</td>
<td>Completion of first-year requirements, with a minimum mark of 60% in each course.</td>
</tr>
<tr>
<td>MANAGEMENT AND ORGANIZATIONAL STUDIES (BMOS) HONORS SPECIALIZATION</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Accounting</td>
<td>Students must have an average of at least 73% and no grade less than 60% in the following 3.0 principal courses: 1.0 course: Business Administration 1220E; 0.5 course from: Calculus 1000A/B, Mathematics 1225A/B, 1230A/B; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B is strongly recommended).</td>
</tr>
<tr>
<td>Honors Specialization in Finance and Administration</td>
<td>Students must have an average of at least 73% and no grade less than 60% in the following 3.0 principal courses: 1.0 course: Business Administration 1220E; 0.5 course from: Calculus 1000A/B, Mathematics 1225A/B, 1230A/B; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B and Political Science 1020E are strongly recommended).</td>
</tr>
<tr>
<td>Honors Specialization in Global Commerce</td>
<td>Students must have an average of at least 73% and no grade less than 60% in the following 3.0 principal courses: 1.0 course: Business Administration 1220E; 0.5 course from: Calculus 1000A/B, Mathematics 1225A/B, 1230A/B; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; 1.0 course from: Psychology 1000, 1000W/X; 1.0 course from: Sociology 1020, 1020W/X, 1021E.</td>
</tr>
<tr>
<td>* Students requiring Math 0110A/B may include it with permission from the department. Note: Enrolment in BMOS Honors Specialization is limited. Meeting of the minimum requirements does not guarantee admission. Students may not apply to BMOS Honors Specialization modules when they apply for admission to the University. Students may only apply for admission to BMOS Honors Specialization modules upon successful completion of first-year requirements.</td>
<td></td>
</tr>
</tbody>
</table>
**MANAGEMENT AND ORGANIZATIONAL STUDIES (BMOS) HONORS DOUBLE MAJOR**

| Major in Accounting | 5.0 first-year courses: 1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1230A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B; 1.0 course: Economics 1021A/B and Economics 1022A/B; 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B is strongly recommended). *Students wishing to transfer to a BMOS Honors Degree must have the proper Mathematics prerequisites for advanced Economics courses i.e., 0.5 from Calculus 1000A/B, or Mathematics 1225A/B and 0.5 from Calculus 1301A/B, 1501A/B, Mathematics 1600A/B or Mathematics 1229A/B. **Students requiring Mathematics 0110A/B may include this course with permission from the Department. |
| Major in Global Commerce | 5.0 first-year courses: 1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1230A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B; 1.0 course: Economics 1021A/B and Economics 1022A/B; 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B is strongly recommended). **Students requiring Mathematics 0110A/B may include this course with permission from the Department. |
| Major in Management and Organizational Studies | 5.0 first-year courses: 1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1230A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B; 1.0 course: Economics 1021A/B and Economics 1022A/B; 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B is strongly recommended). **Students requiring Mathematics 0110A/B may include this course with permission from the Department. |
| Major in Organizational and Human Resources | 5.0 first-year courses: 1.0 course: Business Administration 1220E; 1.0 course from: Business Administration 1220E; 1.0 course: Psychology 1000, 1000W/X; 1.0 course from: Sociology 1020, 1020W/X; 1.0 course from: Sociology 1021E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1230A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B; 1.0 course: Economics 1021A/B and Economics 1022A/B; 2.0* additional courses in any subject numbered 1000-1999 (MOS 1033A/B is strongly recommended). **Students requiring Mathematics 0110A/B may include this course with permission from the Department. |

Note: Students requiring Mathematics 0110A/B may include this course with permission from the Department.

**MANAGEMENT AND ORGANIZATIONAL STUDIES (BMOS) FOUR-YEAR SPECIALIZATION**

Students may not apply to enter a BMOS Specialization when they apply for admission to the University. Enrolment is limited and meeting of the minimum requirements does not guarantee admission. Students applying for BMOS Specialization after first, second, or third year must have: a) an overall average of at least 70% on the last 5.0 courses completed; b) obtained a passing grade for each course required for admission to the module, and a passing grade for all option courses; and c) a minimum cumulative average of 65%.

**PHILOSOPHY**

| Honors Specialization in Philosophy | Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principal courses below 60%. 1.0 course from Philosophy 1100E, 1150E, 1300E, 1360E, 1901E, 1361E, 1362E or 1363 is recommended. |
| Honors Specialization in Continental Philosophy | |
| Honors Specialization in Philosophy and Religion | |

| Major in Philosophy | Completion of first-year requirements. 1.0 course from Philosophy 1100E, 1150E, 1300E, 1360E, 1901E, 1361E, 1362E or 1363 is recommended. |
| Major in Continental Philosophy | |
| Major in Philosophy and Religion | |

| Specialization in Philosophy | Completion of first-year requirements, including 3.0 courses with a mark of at least 60%. 1.0 course from Philosophy 1100E, 1150E, 1300E, 1360E, 1901E, 1361E, 1362E or 1363 is recommended. Note: Students taking a double Major and thinking of applying to graduate school are strongly advised to take Philosophy 2254A/B: Introduction to Logic. |

| Minor in Philosophy | Completion of first-year requirements. |

**Note:** Students requiring Mathematics 0110A/B may include this course with permission from the Department.

*Note: MOS 1033A/B is strongly recommended.*
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POLITICAL SCIENCE</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Political Science</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Political Science 1020E plus 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in Political Science Minor in Political Science</td>
<td>Completion of first-year requirements, including Political Science 1020E with a mark of at least 60%.</td>
</tr>
<tr>
<td><strong>PSYCHOLOGY</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Psychology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 75% in 3.0 principal courses, including Psychology 1000 or 1000W/X, Mathematics 1228A/B, Statistical Sciences 1024A/B, plus 1.0 additional course at the 1000 level, with no mark in these principal courses below 60%. Admission Requirements after Second or Third year: Students who wish to enter the Honors Specialization in Psychology after second or third year must meet the requirements for admission after first year, and have a minimum cumulative average of 75% in all Psychology courses that will count toward the module, with no mark below 60% in any of these courses.</td>
</tr>
<tr>
<td>Major in Psychology Specialization in Psychology</td>
<td>Completion of first-year requirements, including Psychology 1000 or 1000W/X with a mark of at least 60%; Mathematics 1228A/B, and Statistical Sciences 1024A/B.</td>
</tr>
<tr>
<td>Minor in Psychology</td>
<td>Completion of first-year requirements, including Psychology 1000 or 1000W/X with a mark of at least 60%.</td>
</tr>
<tr>
<td><strong>RELIGIOUS STUDIES</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Religious Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark in these principal courses below 60%, and at least 0.5 course in Religious Studies with a mark of at least 60%.</td>
</tr>
<tr>
<td>Major in Religious Studies Specialization in Religious Studies Minor in Religious Studies</td>
<td>Completion of first-year requirements and at least a 0.5 course in Religious Studies with a mark of at least 60%.</td>
</tr>
<tr>
<td><strong>SOCIAL JUSTICE AND PEACE STUDIES</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Social Justice and Peace Studies</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 principal courses, with no mark in these principal courses below 60%: 0.5 course: Social Justice and Peace Studies 1025F/G, or the former Social Justice and Peace Studies 1020E. 0.5 course: Social Justice and Peace Studies 1026F/G or the former Social Justice and Peace Studies 2200E. 1.0 course from: Childhood and Social Institutions 1025F/G, the former Childhood and Social Institutions 1020; Disability Studies 1010A/B; Economics 1021A/B, 1022A/B, the former 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1404E, or the former 1403E, 1601E, 1801E, 1812F/G, 1813F/G, 1814F/G, 1901E; Philosophy 1150E, 1300E, 1901E; Political Science 1020E; Psychology 1000, 1000W/X; Religious Studies 1022A/B, 1023E, 1027E; Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1020W/X, 1021E; or Women’s Studies 1020E. 1.0 additional course.</td>
</tr>
<tr>
<td>Major in Social Justice and Peace Studies Specialization in Social Justice and Peace Studies Minor in Social Justice and Peace Studies</td>
<td>Completion of first-year requirements, including the following 2.0 courses with a mark of at least 60%: 0.5 course: Social Justice and Peace Studies 1025F/G, or the former 1020E. 0.5 course: Social Justice and Peace Studies 1026F/G, or the former 2200E. 1.0 course from: Childhood and Social Institutions 1025F/G, the former 1020; Disability Studies 1010A/B; Economics 1021A/B, 1022A/B, the former 1020; First Nations Studies 1020E; Geography 1100, 1500F/G, 1400F/G; History 1401E, 1404E, or the former 1403E, 1601E, 1801E, 1812F/G, 1813F/G, 1814F/G, 1901E; Philosophy 1150E, 1300E, 1901E; Political Science 1020E; Psychology 1000, 1000W/X; Religious Studies 1022A/B, 1023E, 1027E; Social Work 1021A/B, 1022A/B, the former 1020; Sociology 1020, 1020W/X, 1021E; or Women’s Studies 1020E.</td>
</tr>
<tr>
<td><strong>SOCIOLOGY (Includes Criminology)</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Sociology</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including Sociology 1020, 1020W/X or 1021E, plus 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Honors Specialization in Criminology</td>
<td></td>
</tr>
<tr>
<td>Major in Sociology Major in Criminology Minor in Sociology Minor in Criminology</td>
<td>Completion of first-year requirements, including Sociology 1020, 1020W/X or 1021E with a mark of at least 60%.</td>
</tr>
<tr>
<td><strong>SCHOOL OF SOCIAL WORK</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Social Work Students graduate with a Bachelor of Social Work (BSW) degree.</td>
<td>Admission to the program is for third year and is by formal application made by February 1 of the calendar year in which admission is sought. To apply, students must have completed a combination of first and second year requirements. Courses which should be completed in the first year with a minimum grade of 70% are: Social Work 1021A/B, 1022A/B; students registered at King’s and Brescia should take 0.5 courses from: Writing 1020F/G, 1022F/G. For more information on admission requirements refer to the Academic Calendar. Enrolment is limited.</td>
</tr>
</tbody>
</table>
## MODULE PREREQUISITE COURSES

### THANATOLOGY

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Thanatology</td>
<td>Completion of first-year requirements with a minimum average of 60% in 3.0 principal courses.</td>
</tr>
<tr>
<td>Minor in Thanatology</td>
<td>Completion of first-year requirements</td>
</tr>
</tbody>
</table>

### WORLD RELIGIONS AND CULTURES

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in World Religions and Cultures</td>
<td>Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, with no mark in these principal courses below 60%. At least 0.5 course in Religious Studies with a mark of at least 60% (Religious Studies 1023E is recommended).</td>
</tr>
<tr>
<td>Major in World Religions and Cultures Specialization in World Religions and Cultures</td>
<td>Completion of first-year requirements with no failures and at least 0.5 course in Religious Studies with a mark of at least 60%. Religious Studies 1023E is recommended.</td>
</tr>
<tr>
<td>Major in Middle East Studies</td>
<td>Completion of first-year requirements, with a minimum mark of 60% in 3.0 principal courses. It is recommended that students in first year take a first-year History course and a language course in one of Arabic, Persian or Hebrew.</td>
</tr>
<tr>
<td>Minor in Islamic Studies</td>
<td>Completion of first-year requirements and at least 0.5 course in Religious Studies with a grade of at least 60%. Religious Studies 1023E is recommended.</td>
</tr>
<tr>
<td>Minor in World Religions and Cultures</td>
<td>Completion of first-year requirements. Religious Studies 1023E is recommended.</td>
</tr>
</tbody>
</table>
SECOND-LEVEL ENTRY PROFESSIONAL PROGRAMS

IVEY BUSINESS SCHOOL

Acting Dean: M. Vandenbosch
Associate Dean of Programs: L. Purdy
Faculty Director (Academic): M. Weil
HBA Program Services Director: A. Cramp
Director, HBA Recruiting & Admissions: A. Bryson

HBA PROGRAM OFFICE
Ivey Business School
Telephone: 519-661-4111
www.ivey.uwo.ca/hba
8:30 am - 4:30 pm; Appointment preferred, hba@ivey.ca

HBA PROGRAM
There are two routes to getting admitted to the HBA Program: by applying during the second year of university or by conditional acceptance through the Advanced Entry Opportunity (AEO).

Admission Requirements - HBA
Successful completion of no fewer than ten courses of university study with a minimum overall average of 70%. The required courses are:
- One Grade 12 Mathematics course for university bound students (or Mathematics 0110A/B, or Mathematics 1229A/B)
- Business Administration 2257 with a minimum of 70% and satisfactory class contribution.
- Demonstrated leadership in extracurricular activities, community involvement, and work experience.
- Violations of any student code of conduct will be considered as part of the admissions process.
- MOS 2310A/B and 2320A/B must be deferred to year 3.

Admission Requirements - AEO
A competitive Ivey AEO application includes:
- One Grade 12 Mathematics course for university bound students.
- Demonstrated leadership in extracurricular activities, community involvement, and work experience.
- Competitive average of 90% based on top 6 U/M level courses including English.
- MOS 2310A/B and 2320A/B must be deferred to year 3.

Application Deadline - HBA
January 26, 2018 at 4:00 pm EST

Limited Enrolment Program
2017-2018
Number of applicants: 1,100; Number of registrants: 600
Minimum average to be considered: 70%; Competitive average is 80% on 10.0 university courses in a full time course load.

ADVANCED ENTRY OPPORTUNITY (AEO)
The AEO offers conditional acceptance to the Ivey Business School to outstanding students from secondary school. An applicant’s extracurricular involvement is equally as important as academic performance. All applications are carefully reviewed and decisions are made based on all data available, not solely on prior academic performance. Students must have an offer from Western (or an Affiliated University College) before they can receive an offer for Ivey AEO. The Registrar’s Office notifies applicants separately about their admission to first-year at Western.

Application Deadline - AEO
Students interested in Ivey’s AEO must indicate a Western program as one of their choices on the OUAC application and also indicate their interest in applying for Ivey’s AEO. Students must also apply separately to the Ivey Business School at www.ivey.uwo.ca/hba by the deadline on January 17, 2018 at 4:00 pm EST. There is an application fee payable to the Ivey Business School.

To progress to Ivey HBA in third year, Ivey AEO students need to:
- Enrol at Western or one of the Affiliated University Colleges for years 1 and 2 with a full course load (5.0 full courses) each year.
- Achieve an overall two year average of 80.0% in 10.0 full university credits in any faculty, in any program with no failed courses.
- Enrol in a module and take a minimum of 2.0 of the required courses for that module plus Business Administration 2257 in year 2.
- Take all senior (2000 and higher) level courses in year 2 including Business Administration 2257. Permission to register for a first year course in year 2 will be granted by the HBA Program Services Office only under special circumstances.
- Students following a program containing MOS 2310A/B and 2320A/B must defer these courses until Year 3.
- Achieve no less than 70% and a satisfactory level of class contribution in Business Administration 2257 taken between September and April of year 2.
- Complete the equivalent of a Grade 12-U level mathematics course, if not taken during secondary school.
- Continued involvement, achievement, and leadership in extracurricular activities in years 1 and 2.
- Adhere to all student code of conduct regulations at their respective institutions. Violations of such codes will be considered as part of the admissions process.
- Complete an Ivey AEO Update form between years 1 and 2 so that Ivey can provide feedback on progression to date;
- Complete the Ivey AEO Intent to Register form in year 2 to confirm your intention to join the Ivey HBA Program in year 3.
- Students may be required to participate in an online video interview as part of their HBA Intent application.

Undergraduate Degree Offered
- Honors Bachelor of Arts (BA): 4-year

Graduate Degrees
- Master of Business Administration (MBA), Master of Science in Management (MSC), Doctor of Philosophy (PhD), Executive MBA

Dual Degree Programs
Limited enrolment undergraduate dual degree programs offered with Ivey’s HBA include: Arts & Humanities, Economics, Engineering, Geography, Global Studies (Huron only), Health Sciences, Huron Psychology, International Relations, Kinesiology, Law, Medical Sciences, MIT, Music, Nutrition and Dietetics, Political Science, Political Science, Science, and Urban Development.

Please email dualdegrees@ivey.ca for further information.

Exchange Programs
The Ivey Business School is positioned among the world’s leaders in management education. You may spend one term in the fourth year on an exchange at the business program of one of our over 40 different exchange partner schools.
To be eligible to apply, students must meet the following requirements:

- Have competitive Dental Aptitude Test scores written within two years prior to the application deadline. Schulich Dentistry utilizes the results of the last test written in the eligible time period.
- Submit an Autobiographical Sketch & Personal Statement to identify and expand on academic and non-academic strengths, achievements, significant successes, and disadvantages.

Selected applicants will be invited to attend a personal interview in order to be considered for admission. Special consideration will be given to applicants who self-identify as Indigenous. Two positions are set aside each year for competitive applicants with official documentation of Indigenous status or ancestral Indigenous origin. A limited number of positions are available for international students who maintain their international status at graduation. International students must satisfy Western’s admission requirements, including English language proficiency.

Please see the Admissions website for further details: www.schulich.uwo.ca/dentistry/ddsadmissions

**Application Deadline**

December 1 annually

**Limited Enrolment Program**

For entrance September 2017

- Number of applicants: 550; Number of registrants: 56
- Minimum admission average: 80% (best two years)

**Degree Offered**

- Doctor of Dental Surgery (DDS): 4-year

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The Schulich School of Medicine & Dentistry offers an exciting four-year program leading to the Doctor of Dental Surgery (DDS) degree. Our commitment through our learning and social environment is to ensure that our graduating Doctors of Dental Surgery are life-long learners, socially responsible, compassionate, ethical, and passionate about delivering oral healthcare to their respective communities.

**Admission Requirements:**

Please note that the admission policy is reviewed annually and the admission requirements from previous years may not apply. The University reserves the right to review and change the admission requirements at any time, without notice. Enrolment is limited and admission is highly competitive; possessing the minimum requirements does not ensure an interview or acceptance.

To be eligible to apply, students must meet the following requirements:

- Be in the final year of, or have successfully completed, an undergraduate degree program leading to a four-year undergraduate degree from a recognized university.
- Successfully complete approved equivalents in physiology, biochemistry, and organic chemistry courses.
- Submit an Autobiographical Sketch & Personal Statement to dentistry@schulich.uwo.ca

Please note that the admission policy is reviewed annually and the admission requirements from previous years may not apply. The University reserves the right to review and change the admission requirements at any time, without notice. Enrolment is limited and admission is highly competitive; possessing the minimum requirements does not ensure an interview or acceptance.

To be eligible to apply, students must meet the following requirements:

- Be in the final year of, or have successfully completed, an undergraduate degree program leading to a four-year undergraduate degree from a recognized university.
- Successfully complete approved equivalents in physiology, biochemistry, and organic chemistry courses.

Please see the Admissions website for further details: www.schulich.uwo.ca/dentistry/ddsadmissions

**Application Deadline**

December 1 annually

**Limited Enrolment Program**

For entrance September 2017

- Number of applicants: 550; Number of registrants: 56
- Minimum admission average: 80% (best two years)

**Degree Offered**

- Doctor of Dental Surgery (DDS): 4-year

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Western’s Faculty of Education provides a solid background of academic courses and professional workshops combined with extensive and varied practicum experiences. We offer a strong sense of community and rich opportunities for professional growth. Our programs will help you cultivate the qualities of a professional educator and the knowledge and skills to be a leader in education.

**Degree Offered**

- Bachelor of Education (BEd)

**Teacher Education Admission Requirements**

The minimum requirement for the two-year Bachelor of Education program is a 3-year degree with an overall “B” average (70%), but preference is given to candidates who are graduates from 4-year programs, or their equivalent. Graduate courses are not used for calculation of averages but are taken into consideration when assessing subject area background. For the greatest flexibility in program and career choices, we strongly recommend completion of a 4-year twenty credit degree. Preference is given to applicants who have the greatest strength in the subject areas they wish to teach.

Admissions are based primarily on academic standing, but the Faculty takes experiential qualifications into consideration in the final selection process. Check the Faculty’s website for detailed information.

Candidates should be aware that, due to competition for places, actual admission levels may be significantly above the minimum academic requirements.

For admission requirements, please see the Education website at www.edu.uwo.ca.
Western Law prepares national and international leaders in the practice of law, business and the public service. Unlike law schools in larger metropolitan areas, Western Law is not a commuter school. Students stay for the day, socializing in our lounges, cafeteria, classrooms and library. This lends a vibrancy and collegiality to student life that is not always the norm in law school. The relatively small size of the school (approximately 525 students) provides a close-knit supportive atmosphere where professors and students also interact outside of the classroom.

Our Small Group program lies at the heart of the Western Law experience. First-year students take one core course in a small group of approximately 22 students where they receive personalized attention from their professors. First-year courses, designed to provide a strong foundation for further study, are Torts, Property, Contracts, Criminal Law, Constitutional Law, Legal Research, Writing & Advocacy, Orientation to Law & the Legal System, and Legal Ethics & Professionalism. Further, Western Law is the only Canadian law school that also offers the option of taking Corporate Law in first year, thus allowing students to take more advanced business law courses at an earlier stage. In upper years, students take three required courses and satisfy the Faculty writing requirements. Beyond that they select from a broad range of elective courses consistent with their interests and career aspirations.

Western Law recently introduced a series of optional curricular streams that help students build a progressive and coherent course of study should they choose to focus on one or two areas of law over others. Each stream culminates in a capstone course that promotes the transition from learning to practising law. Indeed, practical training opportunities abound at Western Law, with internal and external advocacy competitions, summer internships, and our legal clinics: Community Legal Services, the Business Law Clinic, the Sport Solution Clinic, and the Dispute Resolution Center. Competitions in client counselling, corporate restructuring, contract drafting and negotiation are also available to further develop lawyering skills. Finally, students are supported by an active Career and Professional Development Office that provides them with the information and tools they need to succeed in today’s competitive job market. Western Law consistently has one of the highest articling placement rates among Canadian law schools.

**Admission Requirements**

1. Minimum three years of university education; four-year university degree preferred.
2. Law School Admission Test (LSAT) score.

**Application Deadline**

November 1

**Limited Enrolment Program**

2017-2018

Number of applicants: 2,200
Number of registrants: 176
Admission average (Last 2 years): 3.7/4.0

**Degrees**

- Juris Doctor (JD)
- Honors Business Administration/Juris Doctor (HBA/JD)
- Bachelor of Science (Computer Science)/Juris Doctor (BSc/JD)
  Final Intake: Fall 2018
- Bachelor of Engineering Science/Juris Doctor (BEng/JD)
- Bachelor of Arts (Kinesiology)/Juris Doctor (BA(Kin)/JD)
  Final Intake: Fall 2018
- Bachelor of Arts (Media Information and Technoculture)/ Juris Doctor (BA(JM))
  Final Intake: Fall 2018
- Bachelor of Arts (Political Science)/Juris Doctor (BA(JD))
  Final Intake: Fall 2018
- Juris Doctor/Master of Arts (History) (JD/MA)
- Juris Doctor/Master of Business Administration (JD/MBA)
- Juris Doctor/Master of Science (Computer Science) (JD/MSc)
- Juris Doctor/Master of Science (Geology or Geophysics) (JD/MSc)

**Special Programs**

- Joint Program with l’Université Laval, Quebec City
- Combined Degree Program with the University of Groningen, the Netherlands (JD(Western)/LLM(RuG))

**Graduate Degrees**

- Master of Studies in Law (MSL)
- Master of Laws (LLM)
- Doctor of Philosophy (PhD)

**Eight Curricular Streams**

- Business Law (Area of Concentration)
- Criminal Law
- Government & Public Administration
- Intellectual Property, Information and Technology Law (Area of Concentration)
- International Law
- Labour, Employment & Social Justice
- Litigation
- Universal or Specialty Practice

**Exchange Programs**

- Case Western Reserve University, Cleveland, Ohio, USA
- EBS Law School, Wiesbaden, Germany
- ESADE, Universitat Ramon Llull; Barcelona, Spain
- National University of Singapore; Singapore
- Radbound University; Nijmegen, The Netherlands
- Stockholm University, Stockholm, Sweden
- Universitat Mannheim, Germany
- University of Auckland; Auckland, New Zealand
- University of Bergen, Norway
- University of Bocconi; Milan, Italy
- University of Copenhagen; Copenhagen, Denmark
- University of Groningen; Groningen, The Netherlands
- University of Hong Kong; Hong Kong, China
- University of Leeds; Leeds, United Kingdom
- The University of New South Wales; Sydney, Australia
- The University of Nottingham; Nottingham, United Kingdom
- University of Otago; Dunedin, New Zealand
- The University of Queensland; Brisbane, Australia
- Université Laval, Quebec City, Canada
- Université Jean Moulin - Lyon 3; Lyon, France
Schulich School of Medicine & Dentistry  
www.schulich.uwo.ca/admissions/medicine  
519-661-3744

Dean: M. Strong  
Associate Dean, Admissions: T. Joy

Admissions Office
Health Sciences Addition, H103  
519-661-3744  
E-mail: admissions.medicine@schulich.uwo.ca  
www.schulich.uwo.ca/admissions/medicine

OMSAS: www.ouac.on.ca/omsas

Schulich Medicine provides outstanding education within a research-intensive, distributed learning environment where tomorrow’s physicians, dentists, researchers, scholars and staff learn to be socially responsible leaders in the advancement of human health locally, regionally and globally.

At the Schulich School of Medicine & Dentistry we commit to providing a welcoming and accommodating environment for all. We recognize that diversity is a source of strength which promotes a culture of excellence, innovation, flexibility and adaptability that thrives from the contributions of all our members. We accept, nurture, value and celebrate diversity.

Locations of Study: Windsor and London
The Doctor of Medicine Program runs simultaneously from two campuses: London, Ontario and Windsor, Ontario (at the University of Windsor). Each year, a portion of the admitted class will complete all of their academic studies at the Windsor Campus and graduate from Western University. The Windsor Campus is a partnership between Western University, The University of Windsor, and the London and Windsor hospitals.

Admission Requirements
Please note that the admission policy is reviewed annually and the admission requirements from previous years may not apply. The University reserves the right to review and change the admission requirements at any time, without notice. Enrolment is limited and admission is highly competitive; possessing the minimum requirements does not ensure an interview or acceptance.

To be eligible to apply, students must meet the following criteria:

» Be a Canadian Citizen or Permanent Resident of Canada.
» Have completed a four-year degree from a recognized university. Applicants may be in the final year of a four-year degree at the time of application. The four-year degree must consist of 20 full or equivalent courses which must be completed by the end of the academic year (September - April) in which the application is being made. There is no preference given for the undergraduate program of study and there are no course prerequisites.
» The minimum Grade Point Average (GPA) must be met in EACH of two undergraduate years of full-time study (one of which may be the current year). Full-time study is defined as 5.0 courses or equivalent (30 credit hours) taken between September and April. Academic transcripts must show clearly that applicants have met this course load requirement. To be considered, each year must contain at least 3.0 courses or equivalent whose published academic level is at or above the year level of study.
» Applicants must meet or exceed the minimums in their most recent writing of the MCAT. All applicants must have written the MCAT test introduced in April 2015 (test scores from the previous version of the MCAT will no longer be valid). All applicants must arrange for verified results of the MCAT to be submitted directly to the Ontario Medical School Application Service (OMSAS).

Interviews will be conducted beginning in March. Applicants who satisfy the course load, the GPA, and the MCAT requirements (obtaining the minimum in each section of the MCAT), as determined by the Admissions Committee each year, will have their applications reviewed carefully and will receive consideration for an interview.

The Schulich School of Medicine & Dentistry reserves the right to deny admission to any applicant whose facility in written and spoken English is judged to be inadequate.

Admission to the MD Program is based primarily on the academic undergraduate record, MCAT scores, and the interview score.

Special consideration will be given to applicants who self-identify as Indigenous. Schulich Medicine has designated five seats in each entering class for First Nations, Metis and Inuit students. Applicants identified as Indigenous who wish to be considered for the designated seats must provide official confirmation of Indigenous status or proof of ancestral origin to OMSAS.

Please see the Admissions website for further details:  
www.schulich.uwo.ca/admissions/medicine

Application Deadline
Applicants must have created an OMSAS account by mid-September and have submitted a completed application by the deadline in early October. (Subject to change. Refer to the OMSAS website for up-to-date information.)

Limited Enrolment Program
For entrance September 2017
Number of applicants: 2,500  
Number of registrants: 171 (133 in London, 38 in Windsor)  
Minimum admission GPA: 3.70 (for 2016-17 cycle, subject to change)

Degrees Offered
» Doctor of Medicine (MD)  
» Doctor of Medicine (MD) with PhD  
» Doctor of Medicine (MD) with Oral Maxillofacial Surgery/Master of Science
At Western University, our tradition of excellence continues to attract outstanding faculty members, postdoctoral scholars and graduate students from around the world. Our graduate programs inspire a passion for the pursuit of knowledge, foster creativity and innovation, and prepare our graduates for successful and exciting careers.

Since introducing its first master’s program in 1881, Western has been dedicated to excellence in graduate education. We offer 88 different degree programs, and 31 different graduate credentials, including a range of professional master’s and interdisciplinary programs.

As one of Canada’s largest research-intensive universities, first-class research facilities and infrastructure are available to all of our graduate students. At Western, graduate students and postdoctoral scholars have the opportunity to pursue their passion under the mentorship of world-renowned experts.

We invite you to share in our tradition of excellence and experience the advantage of a Western graduate degree. For more information, please visit www.grad.uwo.ca.

**Admission Requirements**

For admission to master’s programs, applicants must possess a four-year degree from an accredited university. The School of Graduate and Postdoctoral Studies requires at least a 70% average across academic courses taken in the last two full-time years of the undergraduate degree. Equivalent qualifications may be considered based on the standards of the discipline or profession.

For admission to doctoral programs, applicants must possess a master’s degree or equivalent from a university, college or institute, and provide evidence of research potential. At least a 70% average in the master’s degree is required as determined by the School of Graduate and Postdoctoral Studies.

Individual programs commonly have higher admission standards than the minimum; applicants should contact their program of choice for information on its admission requirements.
Faculty of Science
- Applied Mathematics MSc | PhD
- Astronomy MSc | PhD
- Biology MSc | PhD
- Chemistry MSc | PhD
- Computer Science MSc | PhD
- Data Analytics MDA
- Environment and Sustainability MES
- Geology MSc | MSc (course based) | PhD
- Geophysics MSc | MSc (course based) | PhD
- Management of Applied Science MMASc
- Mathematics MSc | PhD
- Physics MSc | PhD
- Statistics MSc | PhD

Faculty of Social Science
- American Studies MA
- Anthropology MA | PhD
- Economics MA | PhD
- Financial Economics MFE
- Geography MA | MSc | PhD
- History MA | PhD
- Political Science MA | PhD
- Psychology MSc | PhD
- Public Administration MPA | GDip
- Sociology MA | PhD

Huron University College
- Theology MA

Ivey Business School
- Accounting GDip
- Business EMBA | MBA | PhD
- Management MSc

King’s University College
- Social Work MSW

Schulich School of Medicine & Dentistry
- Anatomy and Cell Biology MSc (Clinical) | MSc (Research) | PhD
- Biochemistry MSc | PhD
- Clinical Medical Biophysics MSc/PhD Medical Biophysics
- Epidemiology and Biostatistics MSc | PhD
- Family Medicine MCISc | PhD
- Medical Biophysics MSc | PhD | Clinical Medical Biophysics MSc/PhD Medical Biophysics
- Microbiology and Immunology MSc | MSc (Accelerated) | PhD
- Neuroscience MSc | PhD
- Orthodontics MCID
- Pathologists’ Assistant MCISc
- Pathology MSc | PhD
- Physiology and Pharmacology MSc | PhD
- Public Health MPH
- Surgery MSc

**Western Continuing Studies**

postdegree.uwo.ca  ▶  Citi Plaza  ▶  519-661-3658

Western Continuing Studies offers one-year career focused post-degree programs designed for university graduates wanting the specific knowledge, skills and experience necessary to move into exciting careers and meet the demands of today’s employers. Learn from industry experts. Our instructors bring a wealth of knowledge gained over their own careers to the classroom. Gain experience by working with real-life situations both inside and outside of the classroom. Engage with professionals in the field, and apply your knowledge through a practicum in your target industry. Graduate with the knowledge and skills required for success.

Choose a career in one of these exciting fields:
- Clinical Trials Management
- Computer Science
- Human Resources
- Marketing
- Not-for-Profit Management
- Occupational Health and Safety Management
- Pedorthics
- Public Relations

**91% OF OUR 2016 GRADUATES SECURED FULL-TIME EMPLOYMENT IN THEIR FIELD OF STUDY WITHIN ONE YEAR OF COMPLETING THEIR PROGRAMS!**
COURSE REGULATIONS

Affiliated University College Courses

Courses offered only at Brescia, Huron, and King's are identified.

Main Campus Course Residency Guidelines

If you are a Main Campus student, you:
▷ cannot enrol in an Affiliated University College course if the same course is also taught on the Main Campus;
▷ cannot enrol in more than 10 course per session at an Affiliated University College.
If you are a part-time student, and are taking only one course, you cannot take the course at an Affiliated University College.

EXCEPTIONS
1. Foods and Nutrition students may take more than 10 Human Ecology course, at an Affiliated University College.
2. In September, you may ask the Dean of your Faculty for special permission that grants you an exception to this regulation.
3. In September, you may ask the Dean’s Office of your Faculty for special permission that grants you an exception to this regulation.

Faculty Abbreviations

A  Arts and Humanities
B  Ivey Business School
E  Engineering
ED Education
H  Health Sciences
IMS Information and Media Studies
L  Law
M  Schulich School of Medicine & Dentistry*
MU Don Wright Faculty of Music
S  Science
SS Social Science

* Courses offered by the Schulich School of Medicine & Dentistry may be substituted for courses offered by the Faculty of Science

Course Numbering

0001-0999 Pre-University level Introductory courses
1000-1999 Year 1 courses
2000-4999 Senior-level Undergraduate Courses

*These courses are equivalent to pre-university introductory courses and may be counted for credit in the student’s record, unless these courses were taken in a preliminary year. They may not be counted toward essay or breadth requirements, or used to meet modular admission requirements unless it is explicitly stated in the Senate-approved outline of the module.

Glossary

Prerequisite
A course that must be successfully completed prior to registration for credit in the desired course. It is your responsibility to ensure you have all the prerequisites for the courses in which you enrol.

Corequisite
A course that must be taken concurrently with (or prior to registration in) the desired course.

Antirequisite
Courses that overlap sufficiently in course content that both cannot be taken for credit.

Essay Courses
Many courses at Western have a significant writing component. To recognize student achievement, a number of such courses have been designated as essay courses and will be identified on the student’s record (E essay full course, F/G essay half-course).

Module
A structured set of courses specified by a Department, Faculty, or Affiliated University College to fulfill the requirements of an Honors Specialization, Specialization, Major, or Minor.

Course Suffixes

No suffix  full course not designated as an essay course
A   first term half course
B   second term half course
A/B second term half term half course
E   essay full course
F   first term essay half course
G   second term essay half course
F/G first and/or second term essay half course
Q/R/S/T quarter courses
W/X first and/or second term full course (full course offered in one term)
Y   half course offered in other than a regular session

Breadth Requirements

CATEGORY A

Social Science
Anthropology, Economics, Dimensions of Leadership, First Nations Studies, Geography, History, International Relations, Jewish Studies, Leadership Studies, Management and Organizational Studies, Political Science, Psychology, Sociology, Women’s Studies

Interdisciplinary and Multidisciplinary
American Studies, Canadian Studies, Childhood and Social Institutions, Dance, Disability Studies, Education, Family Studies, Global Studies, Governance, Leadership and Ethics (GLE), Health Sciences, Interdisciplinary Studies, Kinesiology, Linguistics, Media and the Public Interest, Media, Information and Technoculture, Nursing, Rehabilitation Sciences, Social Justice and Peace Studies, Social Science, Transitional Justice

Various

CATEGORY B

Arts and Humanities
Arts and Humanities, Classical Studies, Comparative Literature and Culture, Digital Humanities, English, Film Studies, French Studies, Intercultural Communications, Italian Studies, Linguistics, Medieval Studies, Philosophy, Religious Studies, Speech, Theatre Studies, Theological Studies, Visual Arts History, Visual Arts Studio, Western Thought and Civilization, Women’s Studies, Writing*

Languages
Arabic, Chinese, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Latin, Polish, Portuguese, Russian, Spanish

CATEGORY C

Engineering
Chemical and Biochemical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Engineering Science, Green Process Engineering, Mechanical and Materials Engineering, Mechatronic Systems Engineering, Software Engineering

Medical Science
Anatomy and Cell Biology, Biochemistry, Biostatistics, Chemical Biology, Epidemiology, Epidemiology and Biostatistics, Medical Biophysics, Medical Health Informatics, Medical Sciences, Microbiology and Immunology, Neuroscience, One Health, Pathology, ology, Pharmacology, Physiology, Physiology and Pharmacology

Science

Various
Communications Sciences and Disorders, Financial Modelling

See the Academic Calendar for more information on this and other policies.
ACTUARIAL SCIENCES
1021A/B - INTRODUCTION TO FINANCIAL SECURITY SYSTEMS
The nature and cause of financial security and insecurity, public, private and employer programs and products to reduce financial insecurity, including social security, individual insurance and annuities along with employee pensions and benefits.
Antirequisite(s): The former Actuarial Science 2421A/B.
3 lecture hours. 0.5 course (Main)

AMERICAN STUDIES
1020 - AN INTRODUCTION TO AMERICAN STUDIES
This course introduces students to the interdisciplinary study of the history, culture, and politics of the United States. It stresses how the national idea of America has evolved, and how artists, laborers, immigrants, Indigenous peoples, and others, have grappled with the conflicting definition of what it means to be "American."
2 lecture hours, 1 tutorial hour. 10 course (Main)

ANTHROPOLOGY
1020E - MANY WAYS OF BEING HUMAN
Students explore the human experience, past and present, by learning about differences and similarities in societies and cultures across time and space, including how we live, die, communicate, make sense of our lives, and interact with each other and the world around us.
Antirequisite(s): Anthropology 1025F/G, Anthropology 1026F/G.
2 lecture hours, 1 tutorial hour. 10 course (Main)

1025F/G - INTRODUCTION TO SOCIOCULTURAL ANTHROPOLOGY
An introduction to the basic concepts used in the anthropological study of non-Western social and cultural institutions that focuses on the unity and diversity of human experience. Topics include: kinship, economics, politics, religion, and the present-day conditions of indigenous societies. The ethnography of various peoples is discussed.
Antirequisite(s) at Main: Anthropology 1020E.
3 lecture hours. 0.5 course (Brescia, Main)

1026F/G - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY AND ARCHAEOLOGY
An introduction to aspects of biological anthropology and archaeology which help us to understand the place of humankind in nature. Topics to be covered include heredity, human evolution and variability, archaeological method, the development of culture, the domestication of plants and animals, and the rise of civilization and the state.
Antirequisite(s) at Main: Anthropology 1020E.
3 lecture hours. 0.5 course (Brescia, Main)

1027A/B - INTRODUCTION TO LINGUISTICS
Introduction to basic concepts and methods of modern linguistics. Topics include articulatory and acoustic phonetics, phonology, morpho-syntactic, and syntactic and semantic analysis. This course is a prerequisite for subsequent linguistics courses in the Department of Anthropology and/or the Linguistics program.
Antirequisite(s): Linguistics 2288A/B.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

APPLIED MATHEMATICS
1413 - APPLIED MATHEMATICS FOR ENGINEERS I
Limits, continuity, differentiation of functions of one variable with applications, extreme values, integration, the fundamental theorem of calculus, methods and applications of integration to areas, volumes and engineering applications. Sequences and series, convergence, power series. Vector functions, partial differential calculus, gradients, directional derivatives and applications.
Prerequisite(s) or equivalent: Mathematics 0110A/B.
3 lecture hours, 1 tutorial hour. Applied Mathematics 1413 is a suitable prerequisite for any course which lists Calculus 1000A/B plus Calculus 1501A/B. Restricted to students in the Faculty of Engineering. 1 course (Main)

1201A/B - CALCULUS AND PROBABILITY WITH BIOLOGICAL APPLICATIONS
Applications of integration, introduction using mathematical software packages. Scaling and allometry. Basic probability theory. Fundamentals of linear algebra: vectors, matrices, matrix algebra. Difference and differential equations. Each topic will be illustrated by examples and applications from the biological sciences, such as population growth, predator-prey dynamics, age-structured populations.
Antirequisite(s): The former Calculus 1201A/B.
Prerequisite(s): One or more of Calculus 1000A/B, Calculus 1100A/B, Calculus 1500A/B or Mathematics 1225A/B.
3 lecture hours, 1 tutorial hour. 0.5 course (Main)

1411A/B - LINEAR ALGEBRA WITH NUMERICAL ANALYSIS FOR ENGINEERING
Matrix operations, systems of linear equations, linear spaces and transformations, determinants, eigenvalues and eigenvectors, applications of interest to Engineers including diagonalization of matrices, quadratic forms, orthogonal transformations; introduction to MATLAB with applications from linear algebra.
Antirequisite(s): Mathematics 1600A/B.
Prerequisite(s): Ontario Secondary School MHF4U or MCV4U, or Mathematics 0110A/B.
3 lecture hours, 2 computer lab or tutorial hours. Restricted to students in the Faculty of Engineering. 0.5 course (Main)

1999F/G - INTRODUCTION TO EXPERIMENTAL MATHEMATICS
Behind the polished presentations of most mathematical results there often lie dramatically powerful experimental methods. Modern computational tools have vastly increased the effectiveness of this approach. This course provides tools and opportunities for experiment and the discovery of new mathematics. The best projects from this course will be published.
Corequisite(s): Calculus 1000A/B or Calculus 1500A/B or Applied Mathematics H13.
2 lecture hours, 2 computer lab hours. 0.5 course (Main)

ARABIC
1030 - ARABIC FOR BEGINNERS
For students with no previous knowledge of Arabic, this course introduces spoken and written Modern Standard Arabic with emphasis on the development of communicative skills. Prepares students for progression directly to Arabic 2250.
Antirequisite(s): Grade 12U Arabic and Arabic 1035.
4 hours. 1.0 course (Huron, Main)

1035 - BEGINNER ARABIC FOR HERITAGE SPEAKERS
For students with some background in Arabic (heritage speakers), this course develops communicative skills and the ability to use Modern Standard Arabic. Prepares students for progression into Arabic 2250. Students are enrolled on the basis of a placement test.
Antirequisite(s): Grade 12U Arabic and Arabic 1030.
4 hours. 1.0 course (Main)

ARTS AND HUMANITIES
1020E - INTRODUCTION TO THE ARTS AND HUMANITIES
A combined historical and thematic survey of select fields that comprise the Humanities and the various approaches and methods they employ in furthering our understanding of the human experience. The various forms of communication used in the arts will also be examined.
Prerequisite(s): Admission to the School for Advanced Studies in Arts and Humanities.
3 lecture hours. 1.0 course (Main)

ASTRONOMY
1021 - GENERAL ASTRONOMY
A general survey of astronomy including: the solar system and its constituents; stars, their basic properties and evolution; systems of stars including clusters, the milky way and other galaxies; the universe, its past, present and future structure; astronomical instruments; topics of current interest including pulsars, quasars, black holes.
Antirequisite(s): Astronomy 1011A/B.
3 lecture hours. 1.0 course (Main)

1011A/B - ESSENTIALS OF MODERN ASTRONOMY
An overview of modern astronomical topics including the formation, structure, and evolution of stars, planetary and stellar systems, galaxies, and the Universe.
Antirequisite(s): Astronomy 1021.
The equivalent of 3 lecture hours per week. Offered only online (see Western Distance Studies). 0.5 course (Main)

BIOLOGY
0010 - BIOLOGICAL SYSTEMS
In-depth study of the concepts and processes in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the development of skills and knowledge needed for further study Biology and related fields.
Antirequisite(s): Grade 12U Biology or any university level Biology course.
Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in the Preliminary Year program at Brescia University College.
2 lecture hours, 3 laboratory/tutorial hours. 1.0 course (Brescia)
1225 - AN INTRODUCTION TO THE BIOLOGY OF ORGANISMS
A study of the whole organism with emphasis on organization, growth, development, integration, reproduction and heredity.
Prerequisite(s): Biology 1001A, Biology 1202B, Biology 1201A, Biology 1202B
3 lecture hours. Biology 1225 is not intended to serve as a prerequisite for other Biology courses and will not fulfill the requirements for entry into the Biology modules.
Offered only by Distance Studies. 0.5 course (Main)

1001A - BIOLOGY FOR SCIENCE I
The principles of biology taught using an integrative, question-based approach. Topics include inheritance, evolution and ecology. This course is intended for students registered in the Faculty of Science.
Prerequisite(s): Biology 1201A, Biology 1225.
Antirequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.
2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1001A and Biology 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science Departments. 0.5 course (Main)

1002B - BIOLOGY FOR SCIENCE II
The principles of biology taught using an integrative, question-based approach. This course is intended for students enrolled in the Faculty of Science. Topics include enzyme structure/function, membrane structure/function, bioenergetics, photosynthesis, respiration, molecular genetics.
Prerequisite(s): Biology 1202B, Biology 1225.
Antirequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department. A minimum mark of 80% in Grade 12U Biology (SB14U) is recommended for students registered in a faculty other than the Faculty of Science.
2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1001A and Biology 1002B (with appropriate marks) are the prerequisites for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science Departments. 0.5 course (Main)

1202B - GENERAL BIOLOGY II
This course provides an understanding of fundamental biological concepts with emphasis on function in and relevance to humans.
Topics include molecular genetics, physiology, bioenergetics. This course is not available to students enrolled in the Faculty of Science (students registered in the Faculty of Science should select Biology 1002B).
Prerequisite(s): Biology 1002B, Biology 1225.
Antirequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.
2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1201A and Biology 1202B (with appropriate marks) can be a prerequisite for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science Departments. 0.5 course (Main)

1299A/B - BIOLOGY: THE SECRETS OF LIFE
This course will provide a broad background of the history and main areas of biology, before embarking on a series of case studies and guest lectures including life in extreme environments, Antarctica, invasive species and extinctions.
Prerequisite(s): Biology 1001A, Biology 1002B, Biology 1201A, Biology 1202B
3 lecture hours. 0.5 course (Main)

1299B - BIOLOGY AND MICROORGANISMS
The fundamental principles of biology with emphasis on cell function and the role of microorganisms in public health, sanitation, food, and nutrition. Restricted to Food and Nutrition modules or by permission of the Department of Biology.
Prerequisite(s): Grade 12U (SB14U) Biology.
2 lecture hours, 1 tutorial hour. Note: May not be taken for credit by students registered in any modules offered by either the Faculty of Science or the Schulpich School of Medicine & Dentistry.
0.5 course (Main)

BUSINESS ADMINISTRATION
1220E - INTRODUCTION TO BUSINESS
Business 1220E, offered by the Ivey Business School, gives students from all faculties the opportunity to learn business fundamentals in finance, marketing, operations, organizational behavior and general management. The course is delivered using Ivey's renowned case method, which challenges students to learn by doing, within an active class environment of no more than 85 students. Students explore real business issues, make management decisions, defend their position, and take action. This course will be particularly appealing to those students who want a glimpse of Ivey's unique learning experience.
Prerequisite(s): Business Administration 1299E, Business Administration 2295F/G, Business Administration 2299E, the former Business Administration 1220, the former Business Administration 2295.
3 lecture hours, 10 course (Brescia, Huron, King's, Main)

1299E - BUSINESS FOR ENGINEERS
Students learn business fundamentals in finance, marketing, engineering economics, organizational behavior and general management. Students are taught business decisionmaking using the case method, wherein students explore real business issues, make management decisions, defend their position, and take action, within an active class environment of no more than 85 students.
Prerequisite(s): Business Administration 1220E or the former Business Administration 1220, Business Administration 2295F/G, Business Administration 2299E or the former Business Administration 2299.
3 hours. 1.0 course (Main)

CALCULUS
1000A/B - CALCULUS I
Prerequisite(s): Calculus 1500A/B, the former Calculus 1100A/B, Applied Mathematics 1413.
Antirequisite(s): Math 1220E, the former Mathematics 1413, the former Calculus Calculus 1100A/B.
4 lecture hours. 0.5 course (Brescia, Huron, King's, Main)

1301A/B - CALCULUS II
For students requiring the equivalent of a full course in calculus at a less rigorous level than Calculus 1501A/B. Integration by parts, partial fractions, integral tables, geometric series, harmonic series, Taylor series with applications, arc length of parametric and polar curves, first order linear and separable differential equations with applications.
Prerequisite(s): Calculus 1501A/B, Applied Mathematics 1413.
Antirequisite(s): A final mark of at least 55% in either Calculus 1500A/B or Calculus 1500B or the former Calculus Calculus 1100A/B.
4 lecture hours. 0.5 course (Brescia, King's, Main)

1500A/B - CALCULUS I FOR THE MATHEMATICAL SCIENCES
Prerequisite(s): Calculus 1500A/B, the former Calculus 1100A/B, Applied Mathematics 1413.
Antirequisite(s): Ontario Secondary School MCV4U or Mathematics 0110A/B.
4 lecture hours. 0.5 course (Brescia, King's, Main)

1501A/B - CALCULUS II FOR THE MATHEMATICAL SCIENCES
Students who intend to pursue a degree in Actuarial Science, Applied Mathematics, Astronomy, Mathematics, Physics, or Statistics should take this course. Techniques of integration; The Mean Value Theorem and its consequences; series, Taylor series with applications; parametric and polar curves with applications; first order linear and separable differential equations with applications.
Prerequisite(s): Calculus 1301A/B, Applied Mathematics 1413.
Antirequisite(s): Math 1220E, the former Mathematics 1413, the former Calculus Calculus 1100A/B.
4 lecture hours. 0.5 course (Brescia, King's, Main)

1201A - GENERAL BIOLOGY I
This course provides an understanding of fundamental biological concepts with emphasis on function in and relevance to humans.
Topics include inheritance, evolution, ecology, behavior, ecosystem health. This course is not available to students enrolled in the Faculty of Science (students registered in the Faculty of Science should select Biology 1001A).
Prerequisite(s): Biology 1001A, Biology 1225.
Antirequisite(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.
2 lecture hours, 3 laboratory/tutorial hours. Note: The combination of Biology 1201A and Biology 1202B (with appropriate marks) can be a prerequisite for senior Biology courses and admission to modules offered by the Department of Biology and the Basic Medical Science departments. 0.5 course (Main)

1500A/B - CALCULUS I FOR THE MATHEMATICAL SCIENCES
Prerequisite(s): Calculus 1500A/B, the former Calculus 1100A/B, Applied Mathematics 1413.
Antirequisite(s): Ontario Secondary School MCV4U or Mathematics 0110A/B.
4 lecture hours. 0.5 course (Brescia, King's, Main)

1501A/B - CALCULUS II FOR THE MATHEMATICAL SCIENCES
Students who intend to pursue a degree in Actuarial Science, Applied Mathematics, Astronomy, Mathematics, Physics, or Statistics should take this course. Techniques of integration; The Mean Value Theorem and its consequences; series, Taylor series with applications; parametric and polar curves with applications; first order linear and separable differential equations with applications.
Prerequisite(s): Calculus 1301A/B, Applied Mathematics 1413.
Antirequisite(s): Math 1220E, the former Mathematics 1413, the former Calculus Calculus 1100A/B.
4 lecture hours. 0.5 course (Brescia, King's, Main)

For up to date module, program and course offerings please see the Academic Calendar 2018 First Year Calendar
1301A/B - DISCOVERING CHEMICAL STRUCTURE
An introduction to the foundational principles of chemical structure and properties, emphasizing their relevance to modern science. Topics include: atomic structure, theories of chemical bonding, structure and stereochemistry of organic molecules, and structure of coordination complexes.
Antirequisite(s): The former Chemistry 1024A/B, Chemistry 1100A/B.
Prerequisite(s): Grade 12U Chemistry (SCH4U) or equivalent.
3 lecture hours, 1.5 laboratory hours (3 hours every other week). 0.5 course (Main)

1302A/B - DISCOVERING CHEMICAL ENERGETICS
An examination of how the fundamentals of energetics influence chemical processes. Topics include: gases, thermodynamics and thermochromy, chemical equilibria, solubility, weak acids and bases, electrochemistry, and chemical kinetics.
Antirequisite(s): The former Chemistry 1024A/B, Chemistry 1200B.
Prerequisite(s): Grade 12U Chemistry (SCH4U) or equivalent. Grade 12U Advanced Functions (MHF4U) or Calculus & Vectors (MCV4U), or Mathematics 0110A/B or 0105A/B, is strongly recommended.
3 lecture hours, 1.5 laboratory hours (3 hours every other week). 0.5 course (Main)

CHEMISTRY

0010 - INTRODUCTORY CHEMISTRY
This course is equivalent to Grade 12U Chemistry, studying the nature of scientific activity and the explanation of chemical reactions, modern atomic theory and molecular structure. This course is open only to students in the Preliminary Year.
Antirequisite(s): Grade 12U Chemistry. 
Prerequisite(s): High school Chemistry at the advanced level.
2 lecture hours, 3 laboratory/tutorial hours. 10 course (Brescia)

1027A/B - EVERYWHERE AND EVERYTHING
This course provides the background knowledge required to make informed decisions about how chemistry is presented to the public through various media. Topics will include environmental concerns, forensic chemistry, sources of energy, the chemistry of drugs. No chemistry background required; intended primarily for students from Faculties other than Science.
Antirequisite(s): Chemistry 1301A/B, Chemistry 1302A/B, the former Chemistry 1100A/B, Chemistry 1200B.
2 lecture hours. 0.5 course (Main)
COMPARATIVE LITERATURE & CULTURE

1040 - FIRST YEAR SEMINAR: IDEAS AND APPS THAT CHANGED THE WORLD
Explore ideas that have revolutionized our cultures. Discover their origins and applications in our public and private lives. Working alongside your peers, refine your critical understanding of words such concepts as platonice love, unconscious, censorship, paradox, utopia, gender, social networks, alienation, literature and myth through textual and visual material. 3 seminar hours. Class sizes will be limited to ensure an active learning environment. 1.0 course (Main)

1050E - FIRST YEAR SEMINAR: WORLD CULTURES, LITERATURES AND THE ARTS ACROSS THE AGES
In this seminar, discover the roots of today’s global world by studying a selection of writers, artists, and works that have shaped, challenged, and connected civilizations throughout history. Engage in discussions and teamwork to explore cross-cultural exchanges, while traveling from Europe to Asia, from Africa to the Americas. Antirequisite(s): WCL/C30. 3 seminar hours. Class sizes will be limited to ensure an active learning environment. 1.0 course (Main)

COMPUTER SCIENCE

1011A/B - THE INTERNET: BEHIND THE CURTAIN
The technological successes that have led to the Internet’s wide adoption for work and social purposes. The ways in which computer technology has led to more compact representation of data, and faster, more reliable and more secure communication. Intended primarily for students not in Computer Science. 3 lecture hours. 0.5 course (Main)

1025A/B - COMPUTER SCIENCE FUNDAMENTALS I
The nature of Computer Science as a discipline; the design and analysis of algorithms and their implementation as modular, reliable, well-documented programs written in a modern programming language. Intended for students with significant programming experience in at least one high-level block-structured or object-oriented language. Antirequisite(s): Computer Science 1026A/B, Computer Science 2120A/B, Engineering Science 1036A/B, Digital Humanities 2220A/B. 3 lecture hours. 0.5 course (Main)

1026A/B - COMPUTER SCIENCE FUNDAMENTALS II
A continuation of Computer Science 1025A/B. Data organization and manipulation; abstract data types and their implementations in a modern programming language; lists, stacks, queues, trees, pointers; recursion; file handling and storage. Antirequisite(s): Computer Science 1037A/B, Computer Science 2121A/B, Digital Humanities 2221A/B. Prerequisite(s): Computer Science 1025A/B or Computer Science 2120A/B. 3 lecture hours, 1 laboratory/tutorial hour. 0.5 course (Main)

1032A/B - INFORMATION SYSTEMS AND DESIGN
Techniques used for determining technological needs of businesses; building and managing systems to meet those needs; development roles of individuals and organizations; planning and management of concepts, personnel and processes; related software tools (spreadsheets, databases). Intended primarily for Management and Organizational Studies students. Antirequisite(s): Management and Organizational Studies 1033A/B. 3 lecture hours. 0.5 course (Main)

1033A/B - MULTIMEDIA AND COMMUNICATION
This course explores the use of different types of media (e.g., text, images, sound, animation) to convey ideas and facilitate interactions. Topics include the design and use of a range of software tools for media creation and editing, covering image, sound, animation and video. This knowledge will be applied to authoring web sites. 2 lecture hours, 2 laboratory/tutorial hours. 0.5 course (Main)

1037A/B - COMPUTER SCIENCE FUNDAMENTALS II
A continuation for Engineering Science 1036A/B. Data organization and manipulation; abstract data types and their implementations in an object-oriented setting (C++), lists, stacks, queues, trees, pointers; recursion; file handling and storage. Intended for students in the Faculty of Engineering. Antirequisite(s): Computer Science 1027A/B, Computer Science 2121A/B, Digital Humanities 2221A/B. Prerequisite(s): Engineering Science 1036A/B. 3 lecture hours, 2 laboratory/tutorial hour. 0.5 course (Main)

1046A/B - APPROACHABLE APPS: AN INTRODUCTION TO PROGRAMMING USING JAVASCRIPT
Foundations of app development for the web and mobile devices. An introduction to basic programming and scripting concepts, and technologies such as JavaScript, HTML, and CSS, which will be used to create a variety of apps and games. This course is intended for students with no prior programming or computing background. Antirequisite(s): Computer Science 1025A/B, Computer Science 1026A/B, Computer Science 2120A/B, Engineering Science 1036A/B, Digital Humanities 2220A/B. 2 lecture hours, 2 laboratory/tutorial hours. 0.5 course (Main)

DIGITAL HUMANITIES

1011A/B - PROGRAMMING MY DIGITAL LIFE
This is a first course in programming for students of all backgrounds. Topics include images, video, sound, and text, user interface; interaction design; web services and APIs; and microcontroller platforms like Arduino and Phidgets. Students complete a series of projects on animation, installation art, electronic music, theatre, visualization, and/or robotics. 3 hours. 0.5 course (Main)

DISABILITY STUDIES

1010A/B - EXPLORING DISABILITY
Explores provocative ethical and practical Disability Studies topics using a Liberal Arts framework. Students actively engage both sides of cases with legal, medical, and recreational significance. Examines how disability, mental health and neuro-diversity intersect with modern culture and social institutions. Antirequisite(s): The former Interdisciplinary Studies 1010A/B. 3 lecture hours. 0.5 course (King’s)

EARTH SCIENCES

1022A/B - EARTH ROCKS!
What our planet is made of, how it works, and how it affects us. Framed on the interactions of the lithosphere, hydrosphere, atmosphere and biosphere. Specific topics include: geological time and earth history; formation of rocks and minerals; rock deformation; volcanoes and earthquakes; plate tectonics and mountain building, natural resources. Antirequisite(s): Earth Sciences 1070A/B, Earth Sciences 1081A/B. 2 lecture hours, 2 laboratory hours. 0.5 course (Main)

1023A/B - PLANET EARTH: SHAKEN AND STIRRED
An overview of the origin and development of Earth and solar system; constitution and active processes of Earth interior; how these processes have shaped Earth evolution in the past and how they continue to control surface phenomena such as earthquake and volcanic activity. Labs will introduce the main resource exploration techniques. Antirequisite(s): Earth Sciences 2123A/B. 2 lecture hours, 2 laboratory hours. 0.5 course (Main)

1070A/B - INTRODUCTION TO THE GEOLOGY AND RESOURCES OF EARTH
An introduction to geology covering rock forming minerals and rock forming processes. Emphasis will be placed on how mineral and hydrocarbon resources develop. A survey of the geological record is carried out to illustrate how resources are classified and distributed through time. Antirequisite(s): Earth Sciences 1022A/B, Earth Sciences 1081A/B. Only available online, purchase of Rock and Mineral Kit required. 0.5 course (Main)

1081A/B - EARTH, ENVIRONMENT AND SUSTAINABILITY
This course introduces students to geologic materials and processes and examines their significance to humans. Emphasis is placed on the evidence for perturbations of Earth’s natural environments by humans that impact on our planet’s future. Specific topics include utilization of natural resources, waste management, water quality, geological hazards, and global change. Antirequisite(s): Earth Sciences 1022A/B, Earth Sciences 1070A/B. 2 lecture hours, 2 laboratory hours. 0.5 course (Main)

1083F/G - LIFE ON PLANET EARTH

For up to date module, program and course offerings please see the Academic Calendar
COURSES


Antirequisite(s): Earth Sciences 2265A/B, Earth Sciences 2251A/B. 3 lecture hours, 1 tutorial hour. 0.5 course (Main)  1085F/G - ORIGIN AND GEOLOGY OF THE SOLAR SYSTEM Our best perception of the origin of the Universe, the Milky Way Galaxy, and our Solar System, meteorites, asteroids, comets and the formation of planets. The slow growth of Planetary Science reason and analysis of hypotheses. Why and how Earth evolved along a path radically different than the other planets. 

Antirequisite(s): Earth Sciences 2222F/G, Astronomy 2201A/B, 2223F/G, or the former Earth Sciences 2001F/G. The equivalent of 3 lecture hours per week. Offered only online (see Western Distance Studies). 0.5 course (Main) 

1089F/G - EARTH, ART AND CULTURE An examination of Earth materials used over the history of human culture. Topics include: Earth materials as media in the Visual Arts (pigments, stone and clay), rocks, minerals and fossils as motifs in famous works of art, landscape photography, gemstones and jewelry, earth materials in wine and cuisine, and modern technology. 3 lecture hours. 0.5 course (Main) 

1098F/G - EARTH, ART AND CULTURE An examination of Earth materials used over the history of human culture. Topics include: Earth materials as media in the Visual Arts (pigments, stone and clay), rocks, minerals and fossils as motifs in famous works of art, landscape photography, gemstones and jewelry, earth materials in wine and cuisine, and modern technology. 3 lecture hours. 0.5 course (Main) 

ECONOMICS 0011A/B - INTRODUCTION MICROECONOMICS This course introduces students to current Canadian and international economic issues. Students will explore basic economic concepts and reasoning; demand, supply and price; and market, production and costs. 

Antirequisite(s): Ontario High School CIA4U or equivalent. 

Prerequisite(s): Registration in a Preliminary Year program at Brescia University College. 3 hours. 0.5 course (Brescia)  0012A/B - INTRODUCTION TO MACROECONOMICS This course introduces students to current Canadian and international economic issues with a focus on large scale economic performance and measuring economic performance, including topics in economic instability and fiscal policy, banking and monetary policy, and international trade and economic growth. 

Antirequisite(s): Ontario High School CIA4U or equivalent. 

Prerequisite(s): Registration in a Preliminary Year program at Brescia University College. 3 hours. 

Students are strongly advised to take Economic 0011A/B before taking Economics 0012A/B. 0.5 course (Brescia)  1021A/B - PRINCIPLES OF MICROECONOMICS The problem of scarcity and its implications, choice; opportunity cost, specialization and exchange; supply and demand, economic choices of households and firms; competition and monopoly; resource markets; public policy; income distribution. 

Antirequisite(s): Economics 1020. 2 lecture hours, 1 tutorial hour (Main). 3 lecture hours (Brescia, Huron, King’s). 0.5 course (Brescia, Huron, King’s, Main)  1022A/B - PRINCIPLES OF MACROECONOMICS National income; aggregate supply and interest rates; inflation, unemployment and interest rates; money and monetary institutions; economic growth; balance of payments; and exchange rates. 

Pre-or Corequisite(s): Economics 1021A/B must be taken prior to or at the same time as 1022A/B. Students are strongly advised to take Economics 1021A/B before taking Economics 1022A/B. 2 lecture hours, 1 tutorial hour (Main). 3 lecture hours (Brescia, Huron, King’s). 0.5 course (Brescia, Huron, King’s, Main) 

ENGINEERING 1050 - INTRODUCTORY ENGINEERING DESIGN AND INNOVATION STUDIO Introduction to the principles and practices of professional engineering. The design studio fosters innovative thinking, improves problem solving, and provides context. Includes elements of need recognition, conceptualization, prototyping, and engineering design to satisfy commercial specifications. Emphasis on creativity, teamwork, communication and engineering skills necessary to practice in any engineering discipline. 3 lecture hours, 4 laboratory/tutorial hours. 2.0 course (Main)  1021A/B - PROPERTIES OF MATERIALS IN ENGINEERING An introduction to the relationship between the microstructure and engineering properties of metals, ceramics, polymers, semi-conductors and composites. 3 lecture hours, 2 tutorial hours. 0.5 course (Main)  1022A/B/Y - ENGINEERING STATICS Analysis of forces on structures and machines, including addition and resolution of forces and moments in two and three-dimensions. The application of the principles of equilibrium. Topics: trusses; frames; friction; and centroids. 2 lecture hours/week; 1 tutorial hour/week for ten weeks each term - this is equivalent to 3 lecture hours/week and 2 tutorial hours/week over one term. 0.5 course (Main)  1036A/B - PROGRAMMING FUNDAMENTALS FOR ENGINEERS Designing, implementing and testing computer programs using a modern object-oriented language such as C++. to fulfill given specifications for small problems using sound engineering principles and processes. Awareness of the engineering aspects of the process of constructing a computer program. 

Antirequisite(s): Computer Science 1025A/B, Computer Science 1026A/B. 3 lecture hours, 2 laboratory hours. 0.5 course (Main) 

ENGLISH 0010 - LITERATURE AND COMPOSITION This course is designed to introduce the student to the study of literature, including poetry, short stories, novels and plays. The course will encourage a critical approach to literature, with special attention to essay writing skills. 

Antirequisite(s): Grade 12U. Prerequisite(s): Grade 11U English (or equivalent). 3 hours. 10 course (Brescia)  1020E - UNDERSTANDING LITERATURE TODAY By studying a broad range of exciting and important literary works from the past and present, this course will increase your understanding and appreciation not just of the richness and power of the works themselves, but also of the role of literature in reflecting and shaping our perceptions of the world and of ourselves. 

Antirequisite(s): English 1022E, English 1035E. 

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course. 3 hours. 10 course (Brescia, Huron, King’s, Main)  1022E - ENRICHED INTRODUCTION TO ENGLISH LITERATURE This course provides an enriched survey of the major genres, historical periods, and critical approaches to English for students with a particular interest in literature and culture. In lecture and small group tutorials, you will study poetry, prose, and drama with special emphasis on developing superior analytical and writing skills. 

Antirequisite(s): English 1020E, English 1035E. 

Prerequisite(s): 85% or better in Grade 12U English or permission of the Department. 3 hours. Note: Students who successfully complete English 1022E and who enroll in the Honors Specialization module are exempt from English 2307E. However, they must replace it with another 10 English course numbered 2200 or above to meet the total of 10.0 courses required for this module. 10 course (Main)  1024E - FORMS OF FICTION: INTRODUCTION TO NARRATIVE An introduction to the study of a selection of fiction ranging from the Greek epic to the modern novel, including both short and longer forms, and a variety of fictional modes and narrative techniques. Major authors studied include Homer, Swift, Austen, Dickens, Dostoevsky, and Virginia Woolf. 

Antirequisite(s): English 1027F/G, English 1028F/G, English 1036E. 

Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course. 3 hours. 10 course (Brescia, Huron, King’s, Main)  1027F/G - THE STORYTELLER’S ART I: INTRODUCTION TO NARRATIVE Storytelling defines who we are and our relation to the community, the nation, and the world. This course explores the rich and diverse traditions of storytelling: such as, oral tales, short stories, classic fiction, and graphic novels. Instruction by lecture and tutorials; emphasis on developing strong analytical and writing skills. 

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Antirequisite(s): English 1024E, English 1036E.
Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course. 3 hours. 0.5 course (Brescia, Huron, King's, Main)

1028F/G - THE STORYTELLER'S ART II: TOPICS IN NARRATIVE
This course explores a particular theme, mode, or genre of storytelling. Consult the Department of English for details of current course offerings. Instruction is by lecture and tutorials; emphasis on developing strong analytical and writing skills.
Prerequisite(s): English 1024E, English 1036E.
Prerequisite(s): Grade 12U English or permission of the Department. For part time students who have been admitted without the OSSD, this permission will be granted as a matter of course. 3 hours. 0.5 course (Brescia, Huron, King's, Main)

1035E - INTRODUCTION TO LITERATURE: READING, INTERPRETATION, ARGUMENT
This course will examine, both formally and historically, the major generic groupings of literature: poetry, fiction, and drama. Its focus will be on the different kinds of reading that these demand. It will develop students' analytical skills through intensive and extensive reading and through writing that employs logical argument and an understanding of basic critical concepts.
Prerequisite(s): English 1020E, 1022E.
Prerequisite(s): Permission of the Department. 3 hours. 1.0 course (Huron)

1036E - FORMS OF NARRATIVE: FROM EPIC TO FILM
An introduction to the study of narrative from the classical epic to contemporary film. Narrative forms such as myth, fable, parable, epic, romance, novel, satire, case-history, short story, and film will be examined in order to understand the distinguishing features of each form, but also the historical development of narrative art.
Prerequisite(s): English 1024E, 1027F/G, 1028F/G.
Prerequisite(s): Permission of the Department. 3 hours. 1.0 course (Huron)

1042E - LITERATURE AND CULTURAL REPRESENTATIONS
Combining the study of classic literature with works of current cultural importance, such as graphic novels and film, this course explores how our world and our lives are formed and informed by the stories we tell.
Prerequisite(s): Grade 12U English or permission of the Department.
3 hours. 1.0 course (Huron)

1901E - FOUNDATIONS IN WESTERN THOUGHT AND CIVILIZATION
The English Literature unit of the King's Foundations in Western Thought and Civilization is supplemented by the study of art and music. It investigates influential works of literature from ancient to modern times through an interdisciplinary perspective, with special focus on innovations in literary form and cultural context.
Prerequisite(s): Must be registered in the King's Foundations in Western Thought and Civilization, or the former Foundations in the Humanities.
Corequisite(s): History 1901E and Philosophy 1901E.
3 hours. There may be additional costs associated with field trips. 1.0 course (King's)

ENvironmental Science
1021F/G - ENVIRONMENTAL SCIENCE AND SUSTAINABILITY
An overview of the science underlying key environmental issues (e.g. climate change, loss of biodiversity and ecosystem function, air and water pollution, and resource use) and how each issue impacts environmental sustainability from the local to global scale.
Prerequisite(s): Priority will be given to students in their first year at Western.
3 lecture/tutorial hours: 0.5 course (Huron, Main)

Family Studies
1010A/B - INTRODUCTION TO FAMILIES IN CANADA
This introductory course explains the field of Family Studies, examining the factors that shape family life, from individual psychology to group dynamics to social forces such as the workplace, the economy, and the government. Families are considered across the life course, and family diversity is highlighted.
Prerequisite(s): Family Studies 1020.
3 lecture hours. 0.5 course (Brescia)

1020 - INTRODUCTION TO FAMILY STUDIES
A multi-disciplinary approach to the family as a biological, social, economic, legal and political unit, continually changing and adapting to a variety of pressures. This course provides students with a broad grounding in the family in the current Canadian context, and examines cultural and historical variation.
Prerequisite(s): Family Studies 1010A/B.
3 lecture hours. 1.0 course (Brescia)

1015A/B - CLOSE RELATIONSHIPS
Intimate relationships, like those found between marital or dating partners, are examined from a social science perspective, looking at love, mate selection, attachment, loneliness, conflict, relationship dissolution, and factors contributing to successful long-term relationships. Other close relationships also are considered, such as those between friends or parents and children.
3 lecture hours. 0.5 course (Brescia)

Film Studies
1020E - AN INTRODUCTION TO FILM
A broad introduction to the study of films that will teach the basic vocabulary of film studies, provide an overview of the types of film and videos being made, and examine various critical approaches. By considering a variety of texts, students will learn to analyze and discuss film and video.
5 hours including screening: 1.0 course (Main)

1022 - INTRODUCTION TO FILM STUDIES
What is a blockbuster? What is a cult film? What is digital cinema? Discover the answers to these questions and others in a broad introduction to the study of cinema. Students will learn the basic vocabulary of film studies and gain an informed understanding of the different critical approaches to film analysis.
Prerequisite(s): Film Studies 1020E.
5 hours including screening: 1.0 course (King's, Main)

First Nations Studies
1020E - INTRODUCTION TO FIRST NATIONS STUDIES
An interdisciplinary survey of First Nations issues, from academic and community perspectives, including indigenous knowledge, historical background, oral history, socio-political context, arts, language and culture. Specific practical examples will be explored by researchers and community members actually engaged in their contemporary documentation and resolution.
2 lecture hours, 1 tutorial hour: 1.0 course (Main)

Foods and Nutrition
0010 - INTRODUCTION TO FOODS & NUTRITION
An introductory course about foods and nutrition. Students will study nutrient content of food, food safety, and learn to apply nutrition recommendations throughout the life cycle. Emphasis will be placed on using credible resources of nutrition information.
Prerequisite(s): Grade 12U Nutrition in Perspective (HFA 4U) or any university level basic Nutrition course.
Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in the Preliminary Year Program at Brescia University College.
1.0 course (Brescia)

0011A/B - INTRODUCTION TO FOODS AND NUTRITION: HEALTHY EATING
An introductory course about the basic aspects of Healthy Eating. Emphasis will be placed on how students can use credible resources to find information about the nutrient content of foods, read food labels, nutrition recommendations (including Canada's Food Guide) and the eating habits for their life stage and make healthy food choices for themselves.
Prerequisite(s): Grade 12U Nutrition in Perspective (HFA 4U) or any university level Nutrition course.
Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent) and registration in the Preliminary Year Program at Brescia University College.
3 lecture hours (includes in-class activities)/ week: 0.5 course (Brescia)

0012A/B - INTRODUCTION TO FOODS AND NUTRITION: LIFE CYCLE NUTRITION
An introductory course about the basic aspects of Life Cycle Nutrition. Emphasis will be placed on how students can use credible resources to find information about nutrition recommendations and eating habits of Canadians of all ages and life stages, nutrition and disease prevention, nutrition and physical activity, safe food handling procedures, food biotechnology and global hunger.
Anti-requisite(s): Grade 12U Nutrition in Perspective (HFA 4U) or any university level Nutrition course.
Prerequisite(s): High School Biology (Grade 11 Advanced Level or equivalent), FN 0011A/B and registration in the Preliminary Year Program at Brescia University College.
3 lecture hours (includes in-class activities)/ week: 0.5 course (Brescia)

1021 - NUTRITION FOR MODERN LIVING
A survey of human nutritional needs including nutrient requirements, nutrient functions and sources of nutrients in foods. Maternal and infant nutrition, food additives, food legislation, world food problems, and other current topics.
Prerequisite(s): Foods and Nutrition 1030E or Foods and Nutrition 2121.
Prerequisite(s): Grade 11 (or higher) Biology and Chemistry are highly recommended as preparation for this course.
3 lecture/tutorial hours: 1.0 course (Brescia)
1030E - FUNDAMENTALS OF HUMAN NUTRITION
An integrative study of the chemical nature, metabolic interactions and physiological roles of nutrients. Includes dietary requirements, sources of nutrients, current issues and concepts, local/global food/nutrition problems and factors affecting them: consumer behavior, agricultural/industrial development, environment/population issues, national policies, and international agreements.

Antirequisite(s): Foods and Nutrition 1021, Foods and Nutrition 2121.
Prerequisite(s): Registration in the Foods and Nutrition modules (Honors Specialization, Specialization, Major). Grade 12U Biology and Chemistry are highly recommended as preparation for this course.
3 lecture hours. 1.0 course (Brescia)

FRENCH
1002 - INTENSIVE FRENCH
Grammar, composition, oral practice. This course is designed for students beginning French, or having a limited knowledge of French. Note that students who have successfully completed Grade 11 French or equivalent cannot take this course for credit.

Antirequisite(s): French 1003A/B, the former French 1101, Ontario Grade 11 French (Core, Extended or Immersion) or equivalent.
Prerequisite(s) at Main: Permission of Department of French Studies based on French Placement Test.
4 tutorial/laboratory hours. 1.0 course (Brescia, Huron, King’s, Main)

1003A/B - INTENSIVE FRENCH
Grammar, composition, oral practice. This accelerated (0.5) course is designed for students having a limited knowledge of French who are too advanced for French 1002.

Antirequisite(s): The former French 1101, French 1002, Ontario Grade 11 French (Core, Extended or Immersion) or equivalent.
Prerequisite(s): Permission of Department of French Studies based on French Placement Test.
4 lecture/tutorial/laboratory hours. 0.5 course (Main)

1010 - INTERMEDIATE FRENCH
Grammar review; composition, translation, oral practice. (One hour per week in the language laboratory may be required.) Note that students who have successfully completed Grade 12 French or equivalent cannot take this course for credit.

Antirequisite(s): French 1011A/B, the former French 1101, Ontario Grade 12 French (Core, Extended or Immersion) or equivalent.
Prerequisite(s) at Main: Ontario Grade 11 French (Core, Extended or Immersion) or equivalent, French 1002 or French 1003A/B or permission of the Department of French Studies based on French Placement Test.
Prerequisite(s) at Brescia, Huron, King’s: Ontario Grade 11 French (Core, Extended or Immersion) or equivalent, French 1002 or permission of the Department.
3 or 4 tutorial hours.
Note at Main: Students who have Grade 11 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 11 French, should consult the Department of French Studies. Note at Brescia, Huron, King’s: Students who have Grade 11 French but have not taken French courses for more than 3 years should consult the Department. 1.0 course (Brescia, Huron, King’s, Main)

1011A/B - INTERMEDIATE FRENCH
Grammar review; composition, translation, oral practice. This accelerated (0.5) course is designed for students having a limited knowledge of French who are too advanced for French 1010.

Antirequisite(s): The former French 1101, French 1010, Ontario Grade 12 French (Core, Extended or Immersion) or equivalent.
Prerequisite(s): Ontario Grade 11 French (Core, Extended or Immersion) or equivalent, French 1002 or French 1003A/B or permission of the Department of French Studies.
4 lecture/tutorial/laboratory hours. 0.5 course (Main)

1102A/B - ORAL FRENCH I
Based on a communicative approach, the course aims to provide students with the means of improving their listening and speaking abilities.

Prerequisite(s): French 1010 or French 1011A/B or permission of the Trois-Pistoles Immersion School. 3 lecture/tutorial hours. Only offered in Trois-Pistoles Immersion School. 0.5 course (Main)

1103A/B - ORAL FRENCH II
Based on a communicative approach, the course aims to provide students with the means of improving their listening and speaking abilities.

Prerequisite(s): French 1012A/B or permission of the Trois-Pistoles Immersion School. 3 lecture/tutorial hours. Only offered in Trois-Pistoles Immersion School. 0.5 course (Main)

1111A/B - LITERATURE AND CULTURE IN TRANSLATION
This course is designed for students who have a general interest in work by French-speaking writers, intellectuals, artists, and directors. All readings and discussions in this course are in English.
2 lecture hours. 0.5 course (Main)

1112A/B - LITERATURE AND CULTURE IN TRANSLATION
This course is designed for students who have a general interest in work by French-speaking writers, intellectuals, artists, and directors. All readings and discussions in this course are in English.
2 lecture hours. 0.5 course (Main)

1900E - FRENCH STUDIES: AN INTRODUCTION
This is a first-year essay course in French, providing an introduction to French Studies, with an emphasis on language, culture, and various forms of expression and analysis.

Antirequisite(s): French 1910, French 1999.

Prerequisite(s): Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or French 1011A/B or French 1011B/A or permission of the Department of French Studies.
4 lecture/tutorial/laboratory hours.
Note for Main: Students who have Grade 12 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 12 French, should consult the Department of French Studies.
Note for Brescia, Huron, King’s: Students who have Grade 12 French but have not taken French courses for more than 3 years should consult the Department. 1.0 course (Brescia, Huron, King’s, Main)

1910 - UNIVERSITY FRENCH (LEVEL 1)
A study of the French language based on cultural, written material and basic grammar problems.

Antirequisite(s) at Main: French 1900E, French 1999.
Antirequisite(s) at Brescia, Huron, King’s: French 1900E.

Prerequisite(s) at Main: Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or French 1011A/B or French 1011B/A or permission of the Department of French Studies.
Prerequisite(s) at Brescia, Huron, King’s: Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or permission of the Department.
4 lecture/tutorial/laboratory hours.
Note at Main: Students who have Grade 12 French but have not taken French courses for more than 3 years, or have an average below 75% in Grade 12 French, should consult the Department of French Studies.
Note at Brescia, Huron, King’s: Students who have Grade 12 French but have not taken French courses for more than 3 years should consult the Department. 1.0 course (Brescia, Huron, King’s, Main)

1999 - INTRODUCTION TO FRENCH STUDIES
This course provides students with a basic introduction to French Studies, with an emphasis on language and culture, and on various forms of expression and analysis.

Antirequisite(s): French 1900E, French 1910.

Prerequisite(s): Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or French 1011A/B or French 1011B/A or permission of the Department of French Studies.
4 lecture/tutorial/laboratory hours. 1.0 course (Main)

GEOGRAPHY
0010 - GEOGRAPHY OF CANADA
A systematic analysis of the geography of Canada with emphasis on the human aspects. Only for students registered in the Preliminary Year program.

Antirequisite(s): Grade 12U Geography (or equivalent).
3 hours. 1.0 course (Brescia)

0012 - INTRODUCTION TO WORLD GEOGRAPHY
An introduction to the study of world regions including an overview of selected thematic regions (e.g., climate, vegetation) and geographic realms. Basic geographic concepts will be highlighted throughout the course. Only for students registered in the Preliminary Year program.
3 hours. 1.0 course (Brescia)

1100 - FUNDAMENTALS OF GEOGRAPHY
A systematic descriptive introduction to the diverse elements of landscape including geomorphic, climatic, and biotic elements, human settlement and land-use patterns; cartographic approaches to the analysis of selected processes of landscape change, an introduction to the synthesis of elements and processes in spatial systems models.

Antirequisite(s): Geography 1300A/B, Geography 1400F/G.
3 lecture hours. 1.0 course (Brescia, King’s, Main)
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| **1300A/B - INTRODUCTION TO THE PHYSICAL ENVIRONMENT**<br>Physical Geography examines the phenomena and processes of the Earth-atmosphere system that underlie human environment interactions and environmental change. Topics include: the atmosphere and fundamentals of weather and climate, water in the environment, Earth surface processes and biogeography.  
Antirequisite(s): Geography 1100, Geography 2131A/B.  
2 lecture hours, 2 laboratory hours. 0.5 course (Main) |
| **1400F/G - INTRODUCTION TO THE HUMAN ENVIRONMENT**<br>This course introduces students to the central problems, concepts, methods and applications of human geography. It pays particular attention to the ways humans interact with the world; for example, population growth, use of natural resources, culturally-based activities, urbanization and settlements, agricultural activities, and industrialization.  
Antirequisite(s): Geography 1100.  
2 lecture hours, 2 laboratory hours. 0.5 course (Main) |
| **1500F/G - ENVIRONMENT AND DEVELOPMENT CHALLENGES**<br>Examines environmental change over long periods of earth history, considering both physical processes and human impacts. An integrative approach provides a basis for understanding some of the world's most pressing environmental and development challenges, such as biodiversity loss, desertification, climate change, energy consumption, and persistent hunger and malnutrition.  
2 lecture hours, 1 tutorial hour. 0.5 course (Main) |
| **GERMAN**<br>**1030 - GERMAN FOR BEGINNERS**<br>Introduction to oral and written German for students with little or no previous knowledge of the language. Prepare for direct progression to German 2200 or 2200W. This accelerated course requires a very high level of commitment.  
Antirequisite(s): Grade 12U German or German 1030W/X or German 1036.  
4 hours. 10 course (Main) |
| **1030W/X - GERMAN FOR BEGINNERS (ACCELERATED)**<br>Introduction to oral and written German for students with little or no previous knowledge of the language. Prepare for direct progression to German 2200 or 2200W/X. This accelerated course requires a very high level of commitment.  
Antirequisite(s): Grade 12U German or German 1030 or German 1036.  
Prerequisite(s): Permission of the Department.  
8 hours, one semester. 10 course (Main) |
| **1036 - READING GERMAN**<br>This course is designed for beginners who wish to acquire a reading knowledge of German for research or related purposes. Learn to read and understand sophisticated unedited texts in a relatively short time. There will be little emphasis on oral or active written communicative skills.  
Antirequisite(s): Grade 12U German or German 1030 or German 1030W/X.  
4 hours. 10 course (Main) |
| **GREEK**<br>**1000 - INTRODUCTORY ANCIENT GREEK**<br>An introductory course in Ancient Greek covering the major points of grammar and syntax.  
Antirequisite(s): Those students with Grade 12U level Ancient Greek must consult the Department before registering for this course.  
3 hours. 10 course (Main) |
| **HEALTH SCIENCES**<br>**1001A/B - PERSONAL DETERMINANTS OF HEALTH**<br>This course focuses on health and wellness with an emphasis on increasing knowledge and awareness of a wide variety of health-related topics, as well as on improving individual health.  
Antirequisite(s): The former Health Sciences 1000.  
3 lecture hours, 1 tutorial hour. 0.5 course (Main) |
| **1002A/B - SOCIAL DETERMINANTS OF HEALTH**<br>This course introduces key social determinants of health, and orientes students to viewing health in relation to social factors, equity, and social justice. Students will be introduced to basic terms, concepts, and measurements related to health, public health, population health, and health inequalities.  
Antirequisite(s): The former Health Sciences 1001.  
3 lecture hours, 1 tutorial hour. 0.5 course (Main) |
| **HEBREW**<br>**1030 - HEBREW 1**<br>A course in oral and written modern Hebrew for students with rudimentary knowledge of the language. Prepare for direct progression to Hebrew 2200 Hebrew 2.  
Antirequisite(s): Grade 12UUniversity-preparatory Hebrew, or equivalent level of secondary study.  
4 hours. 10 course (Huron) |
| **1040A/B - INTRODUCTION TO BIBLICAL HEBREW**<br>An introduction to the writing system and grammar of Biblical Hebrew for those with no previous knowledge of the language. Special attention will be paid to the noun, adjective, and participle.  
Antirequisite(s): Hebrew 1030 or Grade 4 Hebrew (or Grade 2 in Israel).  
4 hours. 0.5 course (Huron) |
| **1041A/B - INTRODUCTION TO BIBLICAL HEBREW II**<br>Continuation of Hebrew 1040A/B. An introduction to the grammar of Biblical Hebrew for those with little previous knowledge of the language. Special attention will be paid to forms of the verb.  
Antirequisite(s): Hebrew 1030 or Grade 6 Hebrew (or Grade 3 in Israel).  
Prerequisite(s): Hebrew 1040A/B or permission of the Instructor.  
4 hours. 0.5 course (Huron) |
| **HINDI**<br>**1030 - HINDI FOR BEGINNERS**<br>Introduction to oral and written Hindi for students with little or no previous knowledge of the language. Note that students who have successfully completed Grade 12U Hindi or equivalent cannot take this course for credit.  
Antirequisite(s): Grade 12U Hindi or Hindi 1010 - Hindi 1 at Huron University College, Hindi 1035.  
4 hours. 10 course (Main) |
| **1035 - BEGINNER HINDI FOR HERITAGE SPEAKERS**<br>For students with some background in Hindi (heritage speakers), this course develops communicative skills, speaking, reading and writing in Hindi. Students are enrolled on the basis of a placement test.  
Antirequisite(s): Grade 12U Hindi and Hindi 1030.  
4 lecture hours. 10 course (Main) |
| **HISTORY**<br>**0011 - HOW WE GOT HERE: THE TWENTIETH-CENTURY WORLD**<br>Understanding the history of the 20th century world is an important element in participating in modern society. This course will examine the origins of the historical political, economic, social and cultural forces that shape the modern world. The emphasis in this course will be on ideas that govern actions, motivate people and provide structure to our understanding of the world.  
Prerequisite(s): Enrolment in the Preliminary Year Program (Brescia University College).  
3 lecture/seminar hours. 10 course (Brescia) |
| **0014 - HISTORY OF CANADA AND THE UNITED STATES**<br>A survey of the political and social highlights of North American society from 1600 to the present. Only for students registered in the Preliminary Year program.  
Antirequisite(s): Grade 12U (or equivalent) History.  
3 hours. 10 course (Brescia) |
| **1201E - CANADA: A SURVEY**<br>Examines Canadian experience from the earliest times to the present. Lectures and tutorials stress varied historical interpretations and divergent opinions concerning Canada’s growth.  
Antirequisite(s): History 2201E, the former History 2207F/G.  
3 hours. 10 course (Brescia, Huron, King's) |
| **1401E - MODERN EUROPE, 1715 TO THE PRESENT: CONFLICT AND TRANSFORMATION**<br>Examines central events and themes of modern European history, including: origins and impact of the French and industrial revolutions; Napoleonic wars; liberalism and reaction; socialism; nationalism; women’s emancipation movements; imperialism, national rivalries and world wars; the Russian Revolution, Communist rule, and the collapse of the Soviet Union; Nazism, European integration.  
2 lecture hours, 1 tutorial hour (Main), 3 hours (Brescia, Huron, King’s). 10 course (Brescia, Huron, King's, Main) |
| **1404E - HITLER, STALIN AND MUSSOLINI: THE TOTALITARIAN AGE**<br>An introduction to the ideas and practice of totalitarianism through a comparative study of regimes established by Hitler, Stalin and Mussolini. Topics include the seizure of power, personality cults, culture, education and propaganda, bio-politics, terror, war, the Holocaust, resistance movements.  
Antirequisite(s): History 2145A/B, History 2147A/B, or the former History 1403E.  
3 hours. 10 course (Brescia, King's) |
| **1601E - SURVEY OF EAST ASIAN HISTORY**<br>The history of China, Korea and Japan from earliest development until modern times. The course emphasizes that although they are independent nations their histories are intertwined.  
For up to date module, program and course offerings please see the Academic Calendar |
1813F/G - WARS OF RELIGION IN WORLD HISTORY
This course investigates how religious conflict shaped our world. We examine the relationship between religious belief, social identity, secular ideology and political violence in such cases as the spread of Islam and the Crusades, the European wars of religion, and modern global religious conflicts.
3 hours. 0.5 course (King's)

1814F/G - HISTORY, LAW AND SOCIETY
A survey of the relationship between history and the law that examines how society, politics, culture and the economy has shaped the development of law and legal institutions. It also examines how judges and lawyers use (and misuse) historical thinking in their legal arguments and reasoning.
3 hours. 0.5 course (King's)

1815F/G - HISTORIES OF LOVE
What is love? How have concepts of love changed over time? This course will examine sources associated with the history of love: letters, films, sentimental jewelry, travel literature, opinion surveys, folklore, literature, newspapers, political speeches, sermons and medical treatises, to discover what they reveal about the histories of love.
3 hours. 0.5 course (Huron)

1820F/G - Selected Introductory Themes in History
See History Department for current offerings.
3 hours. 0.5 course. (King's)

1901E - FOUNDATIONS IN WESTERN THOUGHT AND CIVILIZATION
The History unit of the King's Foundations in Western Thought and Civilization introduces students to major processes, personalities, and events in the historical development of the modern world and what is described as "the West", while developing and refining students' fundamental skills in historical methodology.
Antirequisite(s): History 1801E.
Prerequisite(s): Must be registered in the King's Foundations in Western Thought and Civilization, or the former Foundations in the Humanities.
Corequisite(s): English 1901E and Philosophy 1901E
3 hours. There may be additional costs associated with field trips. 1.0 course (King's)

INTEGRATED SCIENCE

1000Z - EVOLUTION OF THE SCIENTIFIC PROCESS
A focused analysis of classic experiments and how the scientific process has changed over time. Students will engage in understanding seminal discoveries by learning the underlying science and studying experimental design. The course will also discuss how complex and challenging problems facing humanity today require an integrated approach.
Prerequisite(s): Enrollment in Year 1 of the Western Integrated Science program.
2 lecture hours, 2 tutorial hours. 1.0 course (Main)

1001X - EXPLORING THE LANDSCAPE OF SCIENCE
Foundational topics of biology, chemistry, computer science, earth science and physics learned through an integrated problem-based approach. Small-group interactions and integrated laboratory experiments will foster teamwork and develop problem-solving and critical-thinking skills. The importance of mathematical approaches and the use of statistics will be emphasized throughout the course.
Prerequisite(s): Enrollment in Year 1 of the Western Integrated Science program and a minimum of 60% in either Calculus 1000A/B or Calculus 1500A/B, Chemistry 1301A/B, and Physics 1301A/B or Physics 1501A/B.
12 lecture hours and 12 laboratory/tutorial hours per week. 2.0 course (Main)

INTERDISCIPLINARY STUDIES

0015 - SUCCESS IN THE UNIVERSITY ENVIRONMENT
This course is designed to provide students who are registered in the Brescia University College Preliminary Year with opportunities to learn new abilities and upgrade skills needed to achieve success in the university environment. Successful completion of Interdisciplinary Studies 0015 is required to pass Preliminary Year at Brescia.
Prerequisite(s): Enrollment in the Preliminary Year Program (Brescia University College).
1.5 hours. 1.0 course (Brescia)

1000F/G - INTRO TO GLOBAL CHALLENGES
An introduction to key world-wide challenges in the areas of politics, economics, culture, and society. Topics may include human rights, international trade, globalization of disease, and environmental issues.
3 hours. 0.5 course (Brescia)

1001E - FIRST YEAR SEMINAR: INTERDISCIPLINARY PERSPECTIVES
Brescia's interdisciplinary first-year seminar explores a selected topic from multiple disciplinary perspectives to provide a foundation in the liberal arts. Through readings, discussions, group work, and inquiry-based learning, students will explore the topic from multiple perspectives while developing a core set of academic skills including information literacy, communication, problem solving, and critical thinking.
Antirequisite(s): Interdisciplinary Studies 1015F/G, 2115F/G
1 lecture hour, 2 seminar/tutorial hours/week. 1.0 course (Brescia)

1015F/G - INTERDISCIPLINARY PERSPECTIVES
An interdisciplinary seminar focusing on a current issue or a specialized topic, as selected by the instructor. Through focused class discussions and exercises, students will explore the topic from multiple perspectives while developing a core set of skills including information literacy, written and oral communication, and critical thinking.
Antirequisite(s): Interdisciplinary Studies 2115F/G
3 lecture/seminars. 0.5 course (Brescia)
10121E - INQUIRY, INTERPRETATION, RHETORIC
An interdisciplinary course for students in the humanities and social sciences. Through intellectually challenging projects focused on texts from multiple fields of inquiry, students will reflect critically on the production of knowledge and will gain substantial exercise and mentorship in interpretation, reading, writing, and oral expression.
1.0 course (Huron)

1101F/G - DEVELOPING RESEARCH QUESTIONS
A seminar exploring alternative research approaches to a series of topics, issues, or phenomena that have been identified by the students enrolled in the course as part of their application to the Huron Scholar's Electives Program.
Prerequisite(s): Enrolment in Scholar's Electives Program at Huron.
2 hours per week. 0.5 course (Huron)

1102F/G - BUILDING A RESEARCH PROJECT
A seminar that explores how principles of qualitative and quantitative research, and of information literacy, may be applied to a series of research questions identified by the members of the class. Principles and practices of research ethics will be explored as appropriate.
Prerequisite(s): Enrolment in Scholar's Electives Program at Huron.
2 hours per week. 0.5 course (Huron)

ITALIAN
1030 - ITALIAN FOR BEGINNERS
An introduction to oral and written Italian with emphasis on the development of communicative skills. No previous knowledge of Italian is required. Note that students who have successfully completed Grade 12U Italian or equivalent cannot take this course for credit.
Antirequisite(s): Grade 12U Italian, Italian 1030W/X, Italian 1033
3 lecture hours plus 1 hour online. 1.0 course (Main)

1030W/X - INTENSIVE ITALIAN FOR BEGINNERS (ACCELERATED)
An introduction to oral and written Italian with emphasis on the development of communicative skills. No previous knowledge of Italian is required. This accelerated course requires a very high level of commitment.
Antirequisite(s): Grade 12U Italian, Italian 1030, Italian 1033
8 hours, one semester. 10 course (Main)

1033 - ITALIAN FOR BEGINNERS AND OUR ITALIAN-CANADIAN STORIES
BuongIORNO! Learn Italian while collecting stories about your family or the local Italian-Canadian community. This beginners course for students with little or no previous knowledge of Italian includes a Community Service Learning component to build a digital archive.
Antirequisite(s): Italian 1030, Grade 12U Italian.
4 hours. 10 course (Main)

1045A/B - ITALIAN FOR TRAVELERS 1
This course is designed for students with little or no previous knowledge of Italian. An introduction to Italian in an active and practical way, the course emphasizes travel competence. Based in Tuscany, students will acquire an understanding of multifaceted contemporary Italian culture.
Antirequisite(s): Students with Grade 12U Italian or OAC Italian, or with previous knowledge of Italian must consult the Department before registering for this course.
40 lecture hours over 3 weeks. The course takes place in Italy during Intersession. See Department for information on application procedure. 0.5 course (Main)

1046A/B - ITALIAN FOR TRAVELERS 2
This course is a continuation of Italian 1045A/B. An introduction to Italian in an active and practical way, the course emphasizes travel competence. Based in Tuscany, students will acquire an understanding of multifaceted contemporary Italian culture.
Antirequisite(s): Students with Grade 12U Italian or OAC Italian, or with previous knowledge of Italian must consult the Department before registering for this course.
Prerequisite(s): Italian 1045A/B or permission of the department.
40 lecture hours over 2 weeks. The course takes place in Italy during Intersession. See Department for information on application procedure. 0.5 course (Main)

JAPANESE
1036 - JAPANESE FOR BEGINNERS
An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Preparatory course for Japanese 1050.
Preparatory course for Japanese 2250. Note that students who have successfully completed Grade 12U Japanese or equivalent cannot take this course for credit.
Antirequisite(s): Grade 12U Japanese, or Japanese 1050, Japanese 1051A/B, Japanese 1052A/B
4 hours. 10 course (Main)

1050 - JAPANESE I
An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Preparatory course for Japanese 2250.
Antirequisite(s): Japanese 1036, Japanese 1051A/B, Japanese 1052A/B
4 hours. 10 course (Main)

1036A/B - JAPANESE FOR BEGINNERS 1
An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Preparatory course for Japanese 1050.
Antirequisite(s): Japanese 1036, Japanese 1050
4 hours. Those students with Grade 12U Japanese must consult the Department before registering for this course. 0.5 course (Huron)

1052A/B - JAPANESE FOR BEGINNERS 2
An introduction to spoken and written Japanese with emphasis on the development of communicative skills. Intended for students with little or no previous knowledge of Japanese. Preparatory course for Japanese 2250.
Antirequisite(s): Japanese 1036, Japanese 1050
Prerequisite(s): Japanese 1051A/B
4 hours. Those students with Grade 12U Japanese must consult the Department before registering for this course. 0.5 course (Huron)

1650F/G - PERSPECTIVES ON JAPAN
A multi-disciplinary overview of Japan. Contents include territory, people, language, religion, economy, popular culture, science and technology, among others. Students investigate - and formulate questions - on Japan and East Asia within today's globalized world, identify their own cultural bias toward less familiar subjects, and critically evaluate diverse perspectives. Taught in English.
3 hours. 0.5 course (Huron)

KINESIOLOGY
1070A/B - PSYCHOLOGY OF HUMAN MOVEMENT SCIENCE
To obtain basic knowledge in the psychology of human movement science research. The student will become familiar with the latest theory and research from the four pillars of sport psychology, exercise psychology, theoretical models of sedentary behaviour and innovative ways to reduce sedentary behaviour.
Antirequisite(s): The former Kinesiology 1080A/B
3 lecture hours, 3 laboratory hours biweekly, 1 tutorial hour. 0.5 course (Main)

1080A/B - INTRODUCTION TO PSYCHOMOTOR BEHAVIOUR
Fundamental concepts and theories related to movement learning and control will be introduced. The material will address many of the factors that affect the production of motor behaviour. Students will learn about the basis for movement skill and variables that can be used to improve level of skill.
3 lecture hours, 3 laboratory hours biweekly, 1 tutorial hour. 0.5 course (Main)

KOREAN
1030 - KOREAN FOR BEGINNERS
An introduction to understanding, speaking, reading, and writing Korean with emphasis on oral skills. Intended for students with little or no previous knowledge of Korean. Preparatory course for Korean 2200. Note that students who have successfully completed Grade 12U Korean or equivalent cannot take this course for credit.
Antirequisite(s): Grade 12U Korean, or Korean 1035.
4 hours. 10 course (Main)

1035 - BEGINNER KOREAN FOR HERITAGE SPEAKERS
For students with some background in Korean (heritage speakers), this course develops communicative skills, speaking, reading and writing in Korean. Preparatory course for progression into Korean 2200. Students are enrolled on the basis of a placement test.
Antirequisite(s): Grade 12U Korean and Korean 1030.
4 lecture hours. 10 course (Main)

LATIN
1000 - INTRODUCTORY LATIN
An introduction course in Latin covering major points of grammar and syntax.
Antirequisite(s): Those students with Grade 12U level Latin must consult the Department before registering for this course.
3 lecture hours. 10 course (Main)

LEADERSHIP STUDIES
1000A/B - PRIMER ON LEADERSHIP
An introduction to various aspects of the study
of leadership, with an emphasis on the theory and practice of leadership.

**Antirequisite(s):** Leadership Studies 1031, the former Dimensions of Leadership 1000A/B, the former Dimensions of Leadership 1031
3 hours, 0.5 course (Brescia)

**1031 - Exploring Leadership**
An interdisciplinary course providing students with an introduction to the concept and history of leadership. Students will examine the philosophical, psychological and theoretical perspectives on leadership through readings, engagement with representative leaders, and experiential simulations and activities.

**Antirequisite(s):** The former Dimensions of Leadership 1031, the former Interdisciplinary Studies 1031.
3 lecture hours, 1.0 course. (Brescia)

**1035A/B - Leadership for Foods and Nutrition**
An introduction to various aspects of the study of leadership, with application to foods and nutrition. Areas of concern include transformational leadership, culture and leadership, elements of effective leadership, and case studies involving leadership and foods and nutrition.

**Antirequisite(s):** The former Dimensions of Leadership 1000A/B, the former Dimensions of Leadership 1031.
Prerequisite(s): Registration in Foods and Nutrition programs or permission of the Division of Food and Nutritional Sciences
3 lecture hours, 0.5 course. (Brescia)

**LINGUISTICS**

**1028A/B - Linguistics: Applications & Extensions**
Acquaints students with human language and how it relates to society and to the mind. Topics include applications of linguistics, such as language acquisition, language and law, language disorders, and language variation across time, space and society.

**Prerequisite(s):** One of Anthropology 1027A/B, Linguistics 2288A/B, (both French 2805A/B, French 2806A/B), Spanish 3303A/B, the former French 2800 or permission of Linguistics program.
3 lecture hours. 0.5 course (Main)

**MANAGEMENT & ORGANIZATIONAL STUDIES**

**1020A/B - Introduction to Management and Organizational Studies**
A multidisciplinary introduction to Management and Organizational Studies within the Faculty of Social Sciences.

**Prerequisite(s):** Enrolment in BMOS.
2 lecture hours, 1 tutorial hour. 0.5 course (Brescia, Huron, King’s)

**1021A/B - Introduction to Consumer Behaviour & Human Resources**
This course introduces students to the study of management and organizations, based on best available evidence. Coverage includes consumer behavior and human resource management. These disciplines, which are informed by social science research, are fundamental to understanding products, consumer choice, markets, and the interface between employers and the organization.

**Prerequisite(s):** Enrolment in BMOS.
Pre-or Corequisite(s): MOS 1023A/B 3 lecture hours. 0.5 course (Brescia)

**1021A/B - Introduction to Consumer Behaviour & Human Resources**
This course introduces students to the study of management and organizations based on best available evidence. Topics covered may include consumer behavior, human resource management, business processes, intercultural relations, and multinational corporations in a globalized economy. These topics are fundamental to understanding managing people, consumer choice, and global commerce.

**Prerequisite(s):** Enrolment in BMOS on Main Campus or Music Administrative Studies (MAS) 3 lecture hours. 0.5 course (Main)

**1022F/G - Introduction to Aviation**
This course is designed as a survey of Commercial Aviation. Topics include: History of Aviation Transportation, Flight Theory and Performance, Aviation Business, Human Factors, Canadian Airspace, Air Traffic Control, and Aviation Safety.

**Prerequisite(s):** Enrolment in the Commercial Aviation module of BMOS.
3 lecture hours. 0.5 course (Main)

**1023A/B - Introduction to Accounting and Finance**
This course provides students with a basic introduction to the fields of accounting and corporate finance. The accounting unit introduces students to basic accounting concepts from financial and managerial accounting. The corporate finance unit explains how financial markets work and how corporate managers use these markets to create and sustain corporate value.

**Prerequisite(s) at Main:** Enrolment in BMOS on Main Campus or Music Administrative Studies (MAS)

**Prerequisite(s) at Brescia:** Enrolment in BMOS.
**Pre-or Corequisite(s) at Brescia:** MOS 1021A/B.
3 lecture hours. 0.5 course (Brescia, Main)

**1025A/B - Nonprofit Organizations and Their Environment**
This course will introduce students to nonprofit organizations and the nature of the political, social, economic, regulatory, and cultural context in which they operate. Topics will include governance and organizational structure, resource acquisition, public and government relations, volunteer management, partnerships and accountability. The course will prepare students for the unique strategic challenges in leading nonprofit organizations.
3 lecture hours. 0.5 course (Brescia)

**1033A/B - Information Technology in the Commercial Environment**
This course covers the skills and information used by business managers to become productive in the Information Technology environment without becoming an expert. Students will understand what current options and issues exist in IT, the terminology, project management and will develop specific software skills useful to an efficient manager.

**Antirequisite(s):** Computer Science 1032A/B, and all Computer Science courses numbered 2200 or higher.
3 lecture hours. 0.5 course (King’s)

**MATHMATICS**

**0105A/B - Precalculus Mathematics**
Set theory, algebra, functions and relations, trigonometry, logarithms and exponents

**Antirequisite(s):** Ontario Secondary School MCV4U, any university level calculus course.

**Prerequisite(s):** One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.
3 hours. 0.5 course (Brescia, King’s)

**010A/B - Introductory Calculus**
Introduction to differential calculus including limits, continuity, definition of derivative, rules for differentiation, implicit differentiation, velocity, acceleration, related rates, maxima and minima, exponential functions, logarithmic functions, differentiation of exponential and logarithmic functions, curve sketching.

**Antirequisite(s):** Mathematics 1225A/B, Calculus 1000A/B, Calculus 1500A/B, Applied Mathematics 1413.

**Prerequisite(s):** One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.
4 lecture hours. 0.5 course (Brescia, Huron, King’s, Main)

**1120A/B - Fundamental Concepts in Mathematics**
Primarily for students interested in pursuing a degree in one of the mathematical sciences. Logic, set theory, relations, functions and operations, careful study of the integers, discussion of the real and complex numbers, polynomials, and infinite sets.

**Antirequisite(s):** Mathematics 2155F/G, or the former Mathematics 2155A/B.

**Prerequisite(s):** One or more of Ontario Secondary School MCV4U, Mathematics 1600A/B.
4 lecture hours. 0.5 course (Main)

**1225A/B - Methods of Calculus**
Elementary techniques of integration; applications of Calculus such as area, volume, and differential equations; functions of several variables, Lagrange multipliers. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Science modules. It may not be used as a prerequisite for any Calculus course numbered 1300 or above.

**Antirequisite(s) at Main:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B. If Calculus 1000A/B or Calculus 1500A/B was completed after September 1, 2016 it is an antirequisite, but not if it was completed before that time.

**Antirequisite(s) at Brescia, Huron, King’s:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B. If Calculus 1000A/B or Calculus 1500A/B was taken after September 1, 2016 it cannot be used as a prerequisite for any Calculus course numbered 1300 or above.

**Antirequisite(s) at Brescia, Huron, King’s:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B.
If Calculus 1000A/B or Calculus 1500A/B was completed after September 1, 2016 it is an antirequisite, but not if it was completed before that time.

**Antirequisite(s) at Brescia, Huron, King’s:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B. If Calculus 1000A/B or Calculus 1500A/B was taken after September 1, 2016 it cannot be used as a prerequisite for any Calculus course numbered 1300 or above.

**Antirequisite(s) at Brescia, Huron, King’s:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B. If Calculus 1000A/B or Calculus 1500A/B was completed after September 1, 2016 it is an antirequisite, but not if it was completed before that time.

**Antirequisite(s) at Brescia, Huron, King’s:** Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1230A/B.
If Calculus 1000A/B or Calculus 1500A/B was completed after September 1, 2016 it is an antirequisite, but not if it was completed before that time.
Sciences 2141A/B, Statistical Sciences 2857A/B.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 010A/B, Mathematics 1225A/B, Mathematics 1229A/B.
3 lecture hours. 0.5 course (Brescia, Huron, King’s, Main)

1229A/B - METHODS OF MATRIX ALGEBRA
Matrix algebra including vectors and matrices, linear equations, determinants. This course is intended primarily for students in the Social Sciences but may meet minimum requirements for some Science modules.
Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent.
3 lecture hours. 0.5 course (Brescia, Huron, King’s, Main)

1230A/B - CALCULUS FOR SOCIAL SCIENCES
Review of differential calculus with transcendental functions; methods of integration; constrained and unconstrained multivariable optimization, with applications; mathematical modelling with differential equations, including applications in management, finance, economics, and social science.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 010A/B.
4 lecture hours. 0.5 course (Brescia, Huron, King’s)

1600A/B - LINEAR ALGEBRA I
Properties and applications of vectors; matrix algebra; solving systems of linear equations; determinants; vector spaces; orthogonality; eigenvalues and eigenvectors.
Antirequisite(s): Applied Mathematics 1411A/B, Applied Mathematics 2811B.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 1229A/B, Calculus 1000A/B or Calculus 1500A/B, the former Calculus 1100A/B, Calculus 1000A/B or Calculus 1500A/B may be taken as a pre-or corequisite.
3 lecture hours, 1 laboratory hour. 0.5 course (Brescia, Huron, King’s, Main)

MEDIA, INFORMATION & TECHNOCULTURE
1020E - INTRODUCTION TO MEDIA, INFORMATION, AND TECHNOCULTURE
This survey course introduces students to the critical study of mediated communication and explores the ways technology, information, and media interact with culture and society. Topics may include: cultural industries, political economy, identity/diversity, promotional culture, the information society, political communication, journalism studies, and social media.
Antirequisite(s): MIT 1020E, the former Mit 1200F/G, MIT 1500F/G and/or MIT 1700F/G.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1021F/G - INTRODUCTION TO MEDIA, INFORMATION AND TECHNOCULTURE I
The first of two half-courses that introduces students to the critical study of mediated communication and explores the ways technology, information, and media interact with culture and society. Topics may include: cultural industries, political economy, identity/diversity, promotional culture, the information society, political communication, journalism studies, and social media.
Antirequisite(s): MIT 1020E, the former MIT 1200F/G, MIT 1500F/G and/or MIT 1700F/G.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1022F/G - INTRODUCTION TO MEDIA, INFORMATION AND TECHNOCULTURE II
The second of two half-courses that introduces students to the critical study of mediated communication and explores the ways technology, information, and media interact with culture and society. Topics may include: cultural industries, political economy, identity/diversity, promotional culture, the information society, political communication, journalism studies, and social media.
Antirequisite(s): MIT 1020E, the former MIT 1200F/G, MIT 1500F/G and/or MIT 1700F/G.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1025F/G - FIRST YEAR FOUNDATIONS
This writing-intensive course provides first-year FIMS students with foundational skills in scholarly research, appropriate evaluation of information sources, and textual, visual, and media analysis. In a combination of lectures and tutorials, students will produce short projects that reflect a number of modes of interpretation and analyze a variety of media.
1 lecture hour, 2 tutorial hours. 0.5 course (Main)

1050A/B - NAVIGATING OUR MEDIA LANDSCAPE: #MEADIACULTURE
Media permeate every nook and cranny of our daily lives. This course examines how we use media to shape our world through social networking, advertising and branding, activism and politics, privacy and surveillance, celebrity and entertainment culture, sounds and music, representation and identity, and global news and media.
3 lecture hours. 0.5 course (Main)

MEDIEVAL STUDIES
1022 - INTRODUCTION TO MEDIEVAL STUDIES
This course will introduce civilization and thought in Europe and the Mediterranean between 400 and 1500, with emphasis on the medieval roots of many modern institutions and attitudes, including philosophy, technology, law, government, courtly love and attitudes to women, warfare, art and archaeology, Christianity and Islam, literature, music and coinage.
Antirequisite(s): Medieval Studies 1025A/B, Medieval Studies 1206A/B, and the former Medieval Studies 1020E.
3 hours. 10 course (Main)

1025A/B - INTRODUCTION TO THE MEDIEVAL WORLD
This course will introduce civilization and thought in Europe and the Mediterranean between 400 and 1500, with emphasis on the history, technology, law, government, theology and philosophy of the period. It will focus on a theme, concept or moment in history, such as witchcraft, the Apocalypse, or the Crusades.

Antirequisite(s): Medieval Studies 1022 or the former Medieval Studies 1020E.
3 hours. 0.5 course (Main)

1026A/B - INTRODUCTION TO MEDIEVAL CULTURES AND LITERATURES
This course will introduce civilization and thought in Europe and the Mediterranean between 400 and 1500, with emphasis on the cultures, art, music and literatures of the period. It will focus on a theme, concept or moment in history, such as courtly love and attitudes to women, warfare and weaponry, or the farce.
Antirequisite(s): Medieval Studies 1022 or the former Medieval Studies 1020E.
3 hours. 0.5 course (Main)

MUSIC
0601A/B - THEORETICAL STUDIES: FOUNDATIONS
Review of theory rudiments. Study of melody writing and elementary harmony.
3 hours, half course. No credit. (Main)

0914 - PIANO REQUIREMENT
Students whose principal instrument is other than piano, organ, or harpsichord must demonstrate keyboard proficiency of at least the Conservatory Grade VI level, either by presentation of a Conservatory certificate, or by passing an equivalent test offered periodically by the Faculty. Satisfaction of this requirement is strongly recommended before entrance, and required for admission to the BMus (Honors) programs. Students needing instruction to meet this requirement must make their own arrangements at their own expense. No credit. (Main)

1102A/B - LISTENING TO MUSIC
A basic course to acquaint students with the materials of music and to give a broad perspective of the history of music. Through guided listening, the student will be exposed to a wide variety of musical styles.
Antirequisite(s): Music 1140.
3 hours. May be available for credit in BA (Music) programs with permission of the Dean. Open to non-music students. 0.5 course (Main)

1122A/B - FUNDAMENTALS OF MUSIC THEORY
A concise introduction to music theory that will develop both practical and intellectual fluency with musical skills and concepts. Not available for credit for music students.
3 hours. 0.5 course (Main)

1140 - PERFORMANCE AND SURVEY OF MUSIC LITERATURE I
This course is divided into two parts. To obtain credit, both parts must be taken. Performance: Individual lessons arranged by the Faculty of Music. Credit for this course will be determined by the student’s progress during the year, by a final performance examination. Survey of Music Literature I: Baroque, Classic and Romantic repertoire. Students will be expected to prepare works for class performance. May be available for credit in BA(Music) programs with permission of the Dean.
Antirequisite(s): Music 1122A/B.
Prerequisite(s): Grade VI level demonstrated by audition. Non music students must contact the Faculty of Music before classes begin to receive audition information. Students will be billed a fee upon registration. (See Fees section of Calendar)
3 hours. 10 course (Main)
**COURSES**

1170A/B - INTRODUCTION TO MUSIC OF THE WORLD
A survey of music cultures from across the world, including Indigenous musics. The course explores both the organization of musical sound and uses of music in social life. Lecture format, audio and video examples, guest presentations, and hands-on experience. 3 hours. 0.5 course (Main)

1629A/B - INTRODUCTION TO COMPOSITION
Introduction to musical elements and manipulation (pitch, rhythm, intensity, timbre, texture, and form), and appropriate repertoire. 3 hours. 0.5 course (Main)

1635A/B - GENERAL INTEGRATED MUSICIANSHIP I
Development of basic musicianship skills through the practice and application of sight-singing techniques, ear-training procedures, and keyboard harmony exercises. Materials for all components will include scales in all major and minor keys, diatonic chords, fundamental melodic patterns and harmonic progressions, and modulation to closely related keys. In addition, the keyboard harmony component will include elementary exercises in harmonization, figured bass realization, transposition, and score reading using C, F and G clefs. 1 lecture hour (dictation), 1 tutorial hour (sight singing), and 1 laboratory hour (keyboard harmony). 0.5 course (Main)

1636A/B - GENERAL INTEGRATED MUSICIANSHIP II
A continuation of Music 1635A/B. Prerequisite(s): Music 1635A/B. 1 lecture hour (dictation), 1 tutorial hour (sight singing), and 1 laboratory hour (keyboard harmony). 0.5 course (Main)

1649A/B - STUDIES IN THEORY I
Basic theory and analysis of tonal music from c.1700 to the early nineteenth century. Topics covered include diatonic harmony and voice-leading, the concept and practice of tonality, basic tonization and modulation, and an introduction to musical form. Prerequisite(s): Music 0601A or demonstrated competence in theory rudiments, melody writing and elementary harmony. 3 hours. 0.5 course (Main)

1650A/B - STUDIES IN THEORY II
Continuation from Music 1649A/B. Basic theory and analysis of tonal music from c.1700 to the early nineteenth century. Topics covered include harmonic sequences, applied dominant chords, extended tonization and modulation, an introduction to modal mixture, and a study of the small forms of tonal music including binary, ternary and variation forms. Prerequisite(s): Music 1649A/B. 3 hours. 0.5 course (Main)

1695A/B/Y - INTRODUCTION TO ELECTROACOUSTIC MUSIC SYSTEMS
This course will introduce technical concepts and identification skills related to electroacoustic music processes abundantly prevalent in music today. 3 hours. Open to music and non-music students. 0.5 course (Main)

1710F/G - MUSIC HISTORY: INTRODUCTION
Consideration of various approaches to studying the history of music: guided listening, writing about music, library resources. 3 hours. 0.5 course (Main)

1711F/G - MUSIC HISTORY: C.900 TO C.1600
Survey of the Medieval and Renaissance periods. Prerequisite(s): Music 1710F/G. 0.5 course (Main)

1730A/B - INTRODUCTION TO POPULAR MUSIC AND CULTURE
Introduction to the study of the culture and history of popular music of the twentieth and twenty-first centuries and its links to other arts and media. Prerequisite(s): Music 1710F/G. 3 hours. 0.5 course (Main)

1800A/B - INTRODUCTION TO MUSIC EDUCATION
Introduction to the foundations and principles of the teaching of music. The nature and value of music education are examined with reference to major issues, methodologies, and approaches to musical learning. Observation of selected music teaching situations. 3 lecture hours, 1 laboratory hour. 0.5 course (Main)

1801A/B - VOCAL METHODS
The fundamentals of singing, including breath control, tone production, diction, and repertoire are introduced in a group setting. Solo and small ensemble performing assignments are made according to individual vocal need and level of ability. 3 hours. 0.5 course (Main)

1901 - ORCHESTRA
The rehearsal and performance of orchestral repertoire from the Baroque to the present. Ensembles will include Western Symphony and Western Chamber Orchestra. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1902 - WIND ENSEMBLE
The rehearsal and performance of repertoire for winds, brass and percussion. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1903 - SYMPHONIC BAND
The rehearsal and performance of repertoire for winds, brass and percussion. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1904 - JAZZ ENSEMBLE
The rehearsal and performance of repertoire for jazz ensembles. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1905 - EARLY MUSIC ENSEMBLE
The rehearsal and performance of early music. Prerequisite(s): Audition and interview. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1906 - ACCOMPANYING
Faculty supervised accompanying of (1) two non-Performance majors, or (2) one Performance major, or (3) an approved ensemble, in rehearsals and performances. 4 hours plus performances and juries. Meets large ensemble requirement. 0.0 course (Main)

1910 - WESTERN SINGERS
The rehearsal and performance of repertoire for mixed choir. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1911 - LES CHORISTES
The rehearsal and performance of repertoire for womens choir. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1912 - ST CECILIA SINGERS
The rehearsal and performance of repertoire for womens choir. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1913 - CHORALE
The rehearsal and performance of repertoire for mixed choir. 4 hours plus performances. Meets large ensemble requirement. 0.0 course (Main)

1920 - APPLIED PRINCIPAL INSTRUMENT I
Lessons in the student’s principal instrument and participation in performance class. For students registered in a Faculty other than Music, and for Music students registered in a year in which Applied Music study is not required, or who are eligible for the study of more than one principal instrument. Prerequisite(s): Audition and permission of the Dean. Non music students must contact the Faculty of Music before classes begin to receive audition information. Students will be billed a fee upon registration. (See Fees section of Calendar.) 1.0 course (Main)

1925 - ELECTIVE APPLIED STUDY I
Individual lessons. For students registered in a Faculty other than Music, and for Music students registered in a year in which Applied Music study is not required, or who are eligible for the study of more than one principal instrument. Prerequisite(s): Audition and permission of the Dean. Non music students must contact the Faculty of Music before classes begin to receive audition information. Students will be billed a fee upon registration. (See Fees section of Calendar.) 1.0 course (Main)

1953A/B/Y - INTRO TO HISTORICAL KEYBOARD: REPertoire, Technique & Performance Practice: 1600-1800
An introduction to the playing techniques, repertoire, and performance practices associated with keyboard music and keyboard instruments from 1600 to 1800. 0.5 course (Main)

1954A/B/Y - PERCUSSION ENSEMBLE
The rehearsal and performance of a broad range of percussion ensemble repertoire including standard, world, jazz and contemporary styles. Further technical, musical and organization skills building on applied study are explored. Corequisite(s): Open only to students also enrolled in Studio Percussion Music 1920, Music 2920, Music 3920, Music 4920, Music 2921, Music 3921, Music 4921, Music 3922, Music 4922, Music 4923, Music 1925, Music 2925, Music 3925, Music 4925, Music 3924Y, Music 4924Y, Music 3929 or Music 4929. 3 hours. Open to Music Students only. 0.5 course (Main)

**NURSING**

1060A/B - FUNDATIONAL CONCEPTS OF PROFESSIONAL NURSING I
This course provides an introduction to the philosophical, theoretical and ethical tenets of the nursing profession. The historical development of the profession, images of nursing, roles of nurses in the interprofessional team, and the framework for Registered Nursing practice in Ontario are explored. Prerequisite(s): Registration in Year 1 of the Western-Fanshawe Collaborative BScN Program 3 lecture hours. 0.5 course (Main)

1070A/B - HEALTH PROMOTION AND CARING FOR SELF, COLLEAGUES AND CLIENTS I
This interactive course enables the student to develop an understanding of caring and...
COURSES

1035 - BEGINNER PERSIAN FOR HERITAGE SPEAKERS
For students with some background in Persian (heritage speakers), this course develops communicative skills, speaking, reading and writing in Persian. Students are enrolled on the basis of a placement test.
Prerequisite(s): Grade 12U Persian and Persian 1030.
4 lecture hours. 10 course (Main)

PHILOSOPHY
1000E - INTRODUCTION TO PHILOSOPHY & CRITICAL THINKING
A survey of philosophical problems, with reference to both classical and contemporary philosophers. Topics include the mind/body problem, the existence of God, perception and matter, freedom and determinism. Basic principles of reasoning and critical thinking will be introduced to enhance the student's ability to evaluate the various forms of reasoning.
Prerequisite(s): Philosophy 1000E, Philosophy 1200, Philosophy 1300E.
Pre-requisite(s): Registration restricted to Scholar's Elective students.
3 lecture hours, 1 tutorial hour biweekly. 10 course (Brescia)
1020 - INTRODUCTION TO PHILOSOPHY
Through readings, film and other media this course explores debates about knowledge, truth, reality, religion, morality, politics, and the meaning of life. A weekly tutorial hour will help students to develop skills of analysis and expression.
Prerequisite(s): Philosophy 1000E, Philosophy 1022E, Philosophy 1100E, Philosophy 1250F/G, Philosophy 1300E, Philosophy 1500F/G.
2 lecture hours, 1 tutorial hour. 10 course (Main)
1022E - ADVANCED INTRODUCTION TO PHILOSOPHY
Questions about knowledge and reality, mind and body, morality and justice, truth and beauty, sex and gender, God's existence and attributes, and rationality and philosophical paradoxes are explored in this course designed for students with some acquaintance with philosophy who wish to further develop their analytic and expressive skills.
Prerequisite(s): Philosophy 1000E, Philosophy 1022E, Philosophy 1100E, Philosophy 1250F/G, Philosophy 1300E, Philosophy 1500F/G.
2 lecture hours, 1 tutorial hour. 10 course (Main)

1050F/G: Non-Western “Philosophies”
This course investigates non-European ways of thinking “philosophically.” Students will study African oral traditions, Central-Asian, Chinese, Japanese, and Indigenous traditions by looking at their approach to fundamental questions: what is the human being? What is nature and what is our relation to it? What is knowledge and what is happiness?
3 hours, 0.5 course. (King’s)
1100E - PHILOSOPHY FROM ANTIQUITY TO THE 20TH CENTURY
A study of selected works by great philosophers from Socrates to the present. Stress will be laid on the systematic unity of the thought of individual philosophers, and on the influence their ideas had on their followers and on the thought of the present day.
Prerequisite(s) at Main: Philosophy 1000E, Philosophy 1250F/G, Philosophy 1300E, Philosophy 1500F/G.
Prerequisite(s) at Huron, King’s: Philosophy 1300E.
3 lecture hours. 10 course (Huron)
1130F/G - BIG IDEAS
Apparently simple conceptions sometimes especially capture our imagination. Examples: Descartes’s “I think, therefore I am,” McLuhan’s “the medium is the message,” or Plato’s theory of forms. The course examines a great number of these simple ideas that are also the Big Ideas that no educated person should be ignorant of.
3 hours. 0.5 course (Brescia, Main)
1150E - INTRODUCTION TO THE WESTERN INTELLECTUAL TRADITION
A multi-media and interdisciplinary historical survey of some of the most important philosophers (e.g. Socrates, Plato, Aristotle, Descartes, Marx, Nietzsche), writers (e.g. Homer, Dante, Goethe, Dostoevsky, Kafka), and artists (da Vinci, Michelangelo, Rembrandt, Dalí) that have shaped the course of Western thought and our contemporary world.
2 lecture hours, 1 tutorial hour, 1 screening hour. 10 course (King’s)
1200 - REASONING AND CRITICAL THINKING
An introduction to basic principles of reasoning and critical thinking designed to enhance the student’s ability to evaluate various forms of reasoning as found in everyday life as well as in academic disciplines. The course will deal with such topics as inductive and deductive reasoning, the nature and function of definitions, types of fallacies, the use and misuse of statistics, and the rudiments of logic. Primarily for first-year students.
Prerequisite(s): Philosophy 1000E, Philosophy 1230A/B.
2 lecture hours, 1 tutorial hour. 10 course (Huron, Main)
1230A/B - REASONING AND CRITICAL THINKING
An introduction to the basic principles of reasoning and critical thinking designed to enhance the student’s ability to evaluate various forms of reasoning found in everyday life as well as in academic disciplines. The course will deal with such topics as inductive and deductive reasoning, the nature and function of definitions, types of fallacies, the use and misuse of statistics, and the rudiments of logic. Primarily for first-year students.
Prerequisite(s) at Main: Philosophy 1000E,
COURSES

Philosophy 1200.
Antirequisite(s) at Brescia, Huron: Philosophy 1200.
2 lecture hours, 1 tutorial hour (Main); 3 lecture hours (Brescia, Huron). 0.5 course (Brescia, Huron, Main)

1250F/G - RIGHT AND WRONG
A survey of selected philosophical problems in the areas of ethics and political/legal philosophy, with reference to works of both classical and contemporary philosophers. Specimen topics include ethical relativism, freedom and determinism, anarchy and government, and the justification of punishment. Primarily for first year students.
Antirequisite(s): Philosophy 1100E, Philosophy 1300E.
3 hours. 0.5 course (Huron)

1260A/B - TALKING PHILOSOPHY
Can animals speak? Is knowledge of language innate? How do words shape perceptions of the world? Is English in decline? Is it permissible to limit free speech? What should be done to preserve endangered languages? This accessible introduction to philosophy and language addresses such compelling issues, using web-based media.
3 hours. 0.5 course (Main)

1300E - INTRODUCTORY PHILOSOPHY
A survey of selected philosophical problems, with reference to both classical and contemporary philosophers. Specimen topics include: the mind/body problem, the existence of God, perception and matter, freedom and determinism. Primarily for first-year students.
Antirequisite(s): Philosophy 1100E, Philosophy 1300E.
3 lecture hours (Brescia, Huron, King's).

1305F/G - QUESTIONS OF THE DAY
This course develops students’ ability to approach disputed questions by seeing them from both sides, so that they reach their own view only after respecting a broad range of argument. Six questions will be considered, including human (over) population, the public funding of art, and the limits of religious freedom. 3 hours. 0.5 course (Brescia, King’s, Main).

1340F/G - PHYSICS THROUGH FILM
This course introduces students to philosophical inquiry through film. Certain films can be interpreted as attempting to answer our deepest questions. We will view films in order to explore the nature of truth, knowledge, time, self, evil, and life’s meaning.
3 hours. 0.5 course (Brescia)

1350F/G - INTRODUCTION TO PHILOSOPHY (REALITY AND WHAT WE CAN KNOW OF IT)
A survey of selected philosophical problems in the areas of metaphysics and epistemology, with reference to works by both classical and contemporary philosophers. Specimen topics include the mind/body problem, the existence of God, skepticism and truth. Primarily for first-year students.
Antirequisite(s): Philosophy 1100E, Philosophy 1300E.
3 hours. 0.5 course (Huron)

1360E - THE GREAT HUMAN QUESTIONS WE ALL ASK
An introduction to the great human questions we all ask: Who are we? Why are we? How can we live a good life? Why do we suffer, die, encounter evil? What are sex, love, and friendship? What can we know? What ought we to do? What may we hope for?
3 hours. 1.0 course (King’s)

1361E - FINDING HAPPINESS: A JOURNEY THROUGH PHILOSOPHY
How do we find happiness in life? Is it through the fulfillment of desire, be it for pleasure, wealth, fame, companionship, knowledge, or union with God? Perhaps, paradoxically, it is by abandoning desire altogether and leading a simple life. This course will explore how philosophy has responded to these issues.
3 hours. 1.0 course (King's)

1363 - CULTURE AND BEING HUMAN
Students will examine what it means to be human through an examination of how language, art, religion, social media, and technology construct our sense of self and our relationships to each other and the world. Questions include: Is there a common human nature? Who am I beyond my cultural identity?
3 hours. 1.0 course (King’s)

1370A/B - FORM, THOUGHT, COMMUNICATION
An introduction to the grammatical structures of two kinds of languages - the natural ones that people learn as first languages, and the artificial ones that logicians and others have invented to help in reasoning. Topics will include: subject-predicate construction; word classes; complex sentences; negation and its complication; referring, describing, and quantifying; time and tense.
3 hours. 0.5 course (King’s)

1901E - FOUNDATIONS IN WESTERN THOUGHT AND CIVILIZATION
The Philosophy unit of the King’s Foundations in Western Thought and Civilization is an interdisciplinary historical survey of some of the most important philosophers (Plato, Aristotle, Descartes, Marx, Nietzsche, Derrida) and artists (da Vinci, Michelangelo, Rembrandt, Dalí) that have shaped the course of Western thought and our contemporary experience.
Prerequisite(s): Must be registered in the King’s Foundations in Western Thought and Civilization, or the former Foundations in the Humanities.
Corequisite(s): English 1901E and History 1901E.
3 hours. May be additional costs associated with field trips. 1.0 course (King’s)

PHYSICS

0010 - INTRODUCTION TO PHYSICS
An introduction to the concepts and theories of physics. Topics covered include: gravitation and energy transformations; electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. Students will also develop inquiry skills, and an understanding of the scientific method.
Antirequisite(s): Grade 12U Physics or any university level Physics course.
Prerequisite(s): High School Physics (Grade 11 Advanced Level or equivalent) or permission of the Dean, and registration in the Preparatory Year program at Brescia University College.
2 lecture hours, 3 laboratory/tutorial hours. 1.0 course (Brescia)

1021 - CONCEPTUAL PHYSICS FOR NON-SCIENTISTS
The concepts of physics are presented without mathematics. The topics include motion, force, mass, energy, momentum, rotational motion, heat, sound, electricity, magnetism, optics, lasers, and relativity. Demonstrations are an important component. This non-laboratory course is particularly suitable for Arts and Humanities and Social Science students.
Antirequisite(s): Physics 1029A/B, Physics 1301A/B, Physics 1302A/B, Physics 1401A/B, Physics 1402A/B, Physics 1501A/B, Physics 1502A/B, the former Physics 1020, Physics 1024, Physics 1026. Grade 12U Physics (SPH4U) if taken within the three years prior to the start of this course.
2 lecture hours. 1.0 course (Main)

1028A/B - PHYSICS FOR THE BIOLOGICAL SCIENCES I
Fundamental physics concepts are introduced with an emphasis on applications in biological processes. Topics include bioenergetics (metabolism and respiration), membranes, electrical properties of molecules and principles of microscopy.
Prerequisite(s): One of the following: Grade 12U Advanced Functions (MHF4U), Mathematics 0100A/B.
3 lecture hours, 3 laboratory/tutorial hours. 0.5 course (Main)

1029A/B - PHYSICS FOR THE BIOLOGICAL SCIENCES II
Fundamental physics concepts are introduced with an emphasis on applications in biological processes. Topics include: nerve electricity, the eye and color vision, elasticity and sound, the cardiovascular system and biomechanics.
Antirequisite(s): Physics 1021, Physics 1301A/B, Physics 1401A/B, Physics 1402A/B, Physics 1502A/B, the former Physics 1020, Physics 1024, Physics 1026.
Prerequisite(s): One of Physics 1028A/B, Physics 1301A/B, Physics 1401A/B or Physics 1501A/B.
3 lecture hours, 3 laboratory/tutorial hours. 0.5 course (Main)

1301A/B - INTRODUCTORY PHYSICS I
An introductory calculus-based laboratory course in physics covering the foundational principles of kinematics, force and motion, energy, linear momentum, rotation, torque and angular momentum, gravitation, fluids.
Antirequisite(s): Physics 1021, Physics 1028A/B, Physics 1401A/B, Physics 1501A/B, the former Physics 1020, Physics 1024, Physics 1026.
Prerequisite(s): Grade 12U Calculus and Vectors (MCV4U) or Mathematics 0100A/B.
3 lecture hours, 3 laboratory/tutorial hours. Note: The department recommends that students also take a concurrent course that includes Calculus. This course, together with Physics 1302A/B, is a suitable prerequisite for modules having an introductory physics requirement (including modules in the Faculty of Science, modules offered by the basic Medical Science departments, and professional schools having a physics requirement). 0.5 course (Main)

1302A/B - INTRODUCTORY PHYSICS II
An introductory calculus-based laboratory course in physics covering the foundational principles of oscillations, waves, electric fields and potential, DC circuits, magnetic fields, magnetic induction.
Antirequisite(s): Physics 1021, Physics 1029A/B, Physics 1402A/B, Physics 1502A/B, the former Physics 1020, Physics 1024, Physics 1026.
Prerequisite(s): one of Physics 1301A/B or
PHYSICS

1401A/B - PHYSICS FOR ENGINEERING STUDENTS I

An introductory calculus-based laboratory course in physics covering the foundational principles of kinematics, force and motion, energy, linear momentum, rotation, torque and angular momentum, gravitation, fluids.

Antirequisite(s): Physics 1021, Physics 1028A/B, Physics 1301A/B, Physics 1501A/B, the former Physics 1020, Physics 1024, Physics 1026.

Prerequisite(s): Grade 12U Calculus and Vectors (MCV4U) or Mathematics 0110A/B.

Corequisite(s): Calculus 1000A/B or Calculus and Linear Algebra 1000A/B.

1402A/B - PHYSICS FOR ENGINEERING STUDENTS II

An introductory calculus-based laboratory course in physics covering the foundational principles of oscillations, waves, electric fields and potential, DC circuits, magnetic fields, magnetic induction.

Antirequisite(s): Physics 1021, Physics 1029A/B, Physics 1302A/B, Physics 1502A/B, the former Physics 1020, Physics 1024, Physics 1026.

Prerequisite(s): Physics 1401A/B or permission of the Department.

Corequisite(s): Calculus 1000A/B or Calculus and Linear Algebra 1000A/B.

1501A/B - ENRICHED INTRODUCTORY PHYSICS I

A calculus-based laboratory course for students intending to pursue further studies in science, particularly the physical sciences. Newton's laws, energy, linear momentum, rotations and angular momentum, gravitation and planetary motion.

Antirequisite(s): Physics 1021, Physics 1028A/B, Physics 1301A/B, Physics 1401A/B, the former Physics 1020, Physics 1024, Physics 1026.

Corequisite(s): Calculus 1000A/B or Calculus 1000A/B or Calculus 1500A/B or Applied Mathematics 1413.

1502A/B - ENRICHED INTRODUCTORY PHYSICS II

A calculus-based laboratory course for students intending to pursue further studies in science, particularly the physical sciences. Relativity, the electromagnetic interaction, the strong and weak interactions, oscillations and waves.

Antirequisite(s): Physics 1021, Physics 1029A/B, Physics 1302A/B, Physics 1402A/B, the former Physics 1020, Physics 1024, Physics 1026.

Corequisite(s): one of Physics 1501A/B (preferred) or Physics 1301A/B, or Physics 1401A/B or a minimum mark of 80% in Physics 1028A/B, Calculus 1000A/B or Calculus 1100A/B or Calculus 1500A/B.

Corequisite(s): Calculus 1501A/B (preferred) or Calculus 1301A/B, or Applied Mathematics 1413.

1029A/B - PHYSICS II (Main)

A survey course outlining the principles of human/mammalian physiology, general properties of the living cell and the internal environment; neural, muscle, cardiovascular, respiratory, gastrointestinal, renal and endocrine systems; metabolism, reproduction and homeostasis.

Antirequisite(s): Physiology 1021, Physiology 2120, Physiology 3120.

Corequisite(s): Grade 12U (SBI4U) Biology and Grade 12U (SCH4U) Chemistry, or their equivalent. First year courses in Biology and Chemistry are recommended.

Limited to students enrolled in the Nursing program. 2 lecture hours, 1 tutorial hour. 1.0 course (Main)

1021 - INTRODUCTION TO HUMAN PHYSIOLOGY

An introductory course, outlining the principles of human/mammalian physiology along with a general survey of various physiological systems (e.g. cardiovascular, renal, neural, motor, gastrointestinal, endocrine, respiratory, etc.).

Antirequisite(s): Physiology 1020, Physiology 2120, Physiology 3120.

Corequisite(s): Grade 12U Biology or its equivalent. Grade 12U Chemistry is recommended.

Limited to students enrolled in first year Kinesiology. 2 lecture hours, 1 tutorial hour. 1.0 course (Main)

1020 - HUMAN PHYSIOLOGY

A survey course outlining the principles of human/mammalian physiology, general properties of the living cell and the internal environment; neural, muscle, cardiovascular, respiratory, gastrointestinal, renal and endocrine systems; metabolism, reproduction and homeostasis.

Antirequisite(s): Physiology 1021, Physiology 2120, Physiology 3120.

Corequisite(s): Grade 12U (SBI4U) Biology and Grade 12U (SCH4U) Chemistry, or their equivalent. First year courses in Biology and Chemistry are recommended.

Limited to students enrolled in first year Kinesiology. 2 lecture hours, 1 tutorial hour. 1.0 course (Main)

PSYCHOLOGY

0010A/B - INTRODUCTION TO PSYCHOLOGICAL PRINCIPLES

This course introduces students to the biological bases (evolutionary, genetic, and physiological) of behaviour. The course surveys core areas of psychology including behaviour genetics, evolutionary psychology, brain and behaviour, sensation and perception, learning, states of consciousness, motivation and emotion, and cognition.

Prerequisite(s): Registration in a Preliminary Year program at Brescia University College. 3 hours. 0.5 course (Brescia)

0015A/B - APPLICATION OF PSYCHOLOGICAL PRINCIPLES

An introduction to the application psychology in different contexts. This course surveys core areas of psychology including development over the life span, personality, behaviour in a social context, psychological disorders and their treatment, and applications of psychology in areas such as industrial organizational, educational, and health psychology.

Prerequisite(s): Psychology 0010A/B and registration in a Preliminary Year Program at Brescia University College. 3 hours. 0.5 course (Brescia)

1000 - INTRODUCTION TO PSYCHOLOGY

An introductory survey of the methods and findings of modern scientific psychology. The following topics will be covered: history and methodology, biological psychology, sensation and perception, learning and motivation, verbal and cognitive processes, developmental psychology, social psychology, individual differences (intelligence and personality), and clinical psychology.

Antirequisite(s): Psychology 1000WX, Psychology 1100E. 3 lecture hours.

Note for Brescia, Huron, King's: Psychology 1000, and Psychology 1000WX will not serve as a substitute for Psychology 1100E for entry into any psychology module at Huron, nor will it provide access to any psychology module at Huron that requires Psychology 1100E. 1.0 course (Brescia, Huron, King's, Main)

1000WX - INTRODUCTION TO PSYCHOLOGY

An introductory survey of the methods and findings of modern scientific psychology. The following topics will be covered: history and methodology, biological psychology, sensation and perception, learning and motivation, verbal and cognitive processes, developmental psychology, social psychology, individual differences (intelligence and personality), and clinical psychology.

This is a 10 unit condensed course, meeting for 3.0 hours, twice weekly, for a total of 6.0 hours/week.

Antirequisite(s): Psychology 1000, Psychology 1100E. 6 lecture hours. Note: Psychology 1000, and Psychology1000WX will not serve as a substitute for Psychology 1100E for entry into any psychology module at Huron, nor will it provide access to any psychology module at Huron that requires Psychology 1100E. 1.0 course (King's)

1001E - LABORATORY UPGRADE

This course is designed to provide students who have a credit in Psychology 1000 or equivalent
COURSES

with the laboratory experience that is part of Psychology 1100E but not Psychology 1000. Successful completion of Psychology 1000 plus 1001E will be accepted as the equivalent of credit in Psychology 1100E for purposes of entry into courses and modules at Huron.

Antirequisite(s): Music 1022A/B.
Prerequisite(s): at least 70% in Psychology 1000 and a 70% average in the best 5.0 courses taken to fulfill first-year requirements.
10 hours per week. 1.0 course (Huron)

1100E - METHOD/GENERAL PSYCHOLOGY
An introduction to method and content in psychology. The content areas covered include physiological psychology, perception, learning and motivation, memory and cognition, developmental psychology, individual differences, personality, social psychology, and applied psychology. Method is studied through direct experience with research design and the collection, statistical treatment and reporting of data.

Antirequisite(s): Psychology 1000, the former Psychology 1200 and Psychology 100.
2 lecture hours, 1 laboratory hour. Note: Normally, a prerequisite for senior courses at Huron College. 1.0 course (Huron)

RELIGIOUS STUDIES

0011 - CONTEMPORARY RELIGIOUS QUESTS
An introduction to Religious Studies based on biographies and/or biographies of twentieth-century persons representing different religious perspectives and walks of life. Lectures, discussions of written materials and films.

Antirequisite(s): Religious Studies 103E. 2 lecture hours / 1 seminar hour. 1.0 course (Brescia)

1010F/G - RELIGION, THEOLOGY AND GLOBAL ISSUES
Introduction of religious studies and theology from a global perspective. Topics include theological and religious perspectives on: culture(s), politics, economics, sexuality, violence, identity and community, and spirituality.
3 hours. 0.5 course (Huron)

1015F/G - RELIGION AND DIFFERENCE
An introduction to religion and theology, this course considers the way religious beliefs and practices draw distinctions, create boundaries, and establish limits. In addition to exploring how these lines are drawn, and why they matter, we consider strategies to close the distance these domains create in everyday life.
3 hours. 0.5 course (Huron)

1020A/B - BEAUTY AND BELIEF
An exploration of Christian beliefs through a study of various medium including paintings, icons, sculpture, church architecture, liturgical and devotional acts and their implication for religious faith and imagination.
3 hours. 0.5 course (King’s)

1022A/B - PERPLEXING ISSUES
An examination of selected thought provoking questions such as “What's after death?”, “Why do bad things happen to good people?”, “Why are religions in conflict, sometimes violently?”, “Do miracles happen?”. The aim of this introductory study is to broaden students’ awareness of religious ways of understanding the human condition.
3 hours. 0.5 course (King’s)

1023E - INTRODUCTION TO WORLD RELIGIONS
An introduction to the rich and varied religions of the world, past and present, set within their historical and cultural contexts. In the First Term, we delve into Hinduism, Jainism, Buddhism (Indian, Chinese, and Japanese), Sikhism, Confucianism, Daoism, and Shinto, in the Second Term, we examine Judaism, Christianity and Islam.

Antirequisite(s): Religious Studies 2130, Religious Studies 2203F/G.
3 hours. 1.0 course (King’s)

1026F/G - INTRODUCTION TO THE OLD TESTAMENT I: RELIGIOUS THEMES
Introduction to the legal, prophetic, wisdom and liturgical literature of the Old Testament and to the ideas which each type of material emphasizes.
Antirequisite(s): All 1020 level Religious Studies courses except Religious Studies 1028F/G and Religious Studies 1029.
3 hours. 0.5 course (Brescia)

1027E - INTRODUCTION TO CATHOLIC CHRISTIANITY
This course introduces students to fundamental questions about human existence, the world, and God, and the ways in which the Catholic tradition in all its diversity has addressed these questions. Themes include: the nature of God, the destiny of creation and the meaning of Jesus Christ for salvation.
3 hours. 1.0 course (King’s)

1028F/G - INTRODUCTION TO THE NEW TESTAMENT I: THE GOSPELS
A general survey of the four canonical gospels which highlights their characteristic literary features and their distinctive theological emphases.
Antirequisite(s): The former Religious Studies 145 and all 1020 level Religious Studies courses except Religious Studies 1026F/G and Religious Studies 1029.
3 hours. 0.5 course (Brescia)

1029 - AN INTRODUCTION TO NEW TESTAMENT GREEK
3 hours. 1.0 course (Huron)

1031E - CONTEMPORARY RELIGIOUS QUESTS
An introduction to Religious Studies which incorporates the autobiographies and/or biographies of contemporary men and women representing different religious perspectives and walks of life. The course introduces students to the theory of religion, its meaning and function in culture and in the lives of individuals.
Antirequisite(s): Religious Studies 0011.
2 lecture hours / 1 seminar hour. 1.0 course (Brescia)

1033A/B - THE MEANING OF LIFE AT THE MOVIES
An exploration of religious assumptions (including assumptions about how a person can live and die well) in contemporary films.
2 lecture hours, 2 screening hours. 0.5 course (King’s)

RUSSIAN

1030 - RUSSIAN FOR BEGINNERS
An introduction to spoken and written Russian for students with no previous knowledge of Russian. Offers a basis for further work in commercial and scientific fields, political science, and foreign affairs, as well as the study of Russian literature in the original. Note that students who have successfully completed Grade 12U Russian or equivalent cannot take this course for credit.

Antirequisite(s): Grade 12U Russian.
4 hours. 1.0 course (Main)

1025F/G - INTRODUCTION TO SOCIAL JUSTICE AND PEACE STUDIES
An interdisciplinary introduction to theories and strategies for pursuing social justice and peace. The course confronts the ethical implications of the structure and ideology of globalization under capitalism, the military industrial complex, war, corporate power, inequality, poverty, labour conflict, indigenous rights, gender issues, diversity, and environmental degradation, among other issues.

Antirequisite(s): The former Social Justice and Peace Studies 1020E.
3 hours. 0.5 course (King’s)

1026F/G - APPROACHES TO SOCIAL JUSTICE AND PEACE STUDIES
This course provides a comprehensive survey of theoretical approaches to social justice and peace. It examines contemporary theories of justice, such as utilitarian, libertarian, distributive, procedural, religious and feminist. It examines contemporary theories of peace such as conflict resolution, pacifism, non-violence, war and humanitarian intervention.

Antirequisite(s): The former Social Justice and Peace Studies 2200E.

1025F/G - INTRODUCTION TO SOCIAL JUSTICE & PEACE STUDIES
An interdisciplinary introduction to theories and strategies for pursuing social justice and peace. The course confronts the ethical implications of the structure and ideology of globalization under capitalism, the military industrial complex, war, corporate power, inequality, poverty, labour conflict, indigenous rights, gender issues, diversity, and environmental degradation, among other issues.

Antirequisite(s): The former Social Justice and Peace Studies 1020E.
3 hours. 0.5 course (King’s)

SOCIAL WORK

1021A/B - INTRODUCTION TO SOCIAL WELFARE
An introductory course on Canada's social welfare system. Emphasis is on pursuing a critical analysis of Canada's existing social welfare programs and institutions. Attention is given to the history of society's response to meeting human needs, to varying theoretical perspectives and motivations for forming the social welfare system in Canada. Required for admission to the Social Work program.

Antirequisite(s): The former Social Work 1020. 3 lecture hours. 0.5 course (King’s)

1022A/B - INTRODUCTION TO SOCIAL WORK
An introductory course addressing key concepts and contemporary issues in professional social work practice in Canada. The ethical underpinnings of the profession along with micro, mezzo and macro levels of intervention will be discussed and an emphasis placed on their application to diverse populations of practice in the Canadian setting. Required for...
admission to the Social Work program.

**Antirequisite(s):** The former Social Work 1020. 3 lecture hours. 0.5 course (King's)

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**SOCIOLOGY**

**0010A/B - UNDERSTANDING SOCIETY: SOCIAL LIFE AND SOCIAL INEQUALITY**

This course considers how social forces impact people’s everyday lives. Topics include sociological theory, research methods, culture, socialization, crime and deviance, social interaction, social structure, groups, social class, race, gender, and sexual orientation.

**Antirequisite(s):** Sociology 0012.

For students registered in the Preliminary Year program only. 0.5 course (Brescia)

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**001A/B - UNDERSTANDING SOCIETY: SOCIAL INSTITUTIONS AND SOCIAL CHANGE**

This course explores different social institutions and the dynamics of social change. Topics include the sociological perspective and research techniques, families, education, and work, population, collective behaviour, and urbanization.

**Antirequisite(s):** Sociology 0012.

For students registered in the Preliminary Year program only. 0.5 course (Brescia)

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**002 - INDIVIDUAL AND SOCIETY**

Focusing on the relationship between individuals and society, this course will provide students with a critical introduction to the themes of sociology, culture, diversity and identity.

**Antirequisite(s):** The former Sociology 010.

3 hours. For students registered in the Preliminary Year program only. 1.0 course (Brescia)

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**1020 - INTRODUCTION TO SOCIOLOGY**

An examination of the major theoretical perspectives in the field of Sociology, methods of empirical investigation of social phenomena, socialization, group structure, principles of social organization, community structure, population and social change.

**Antirequisite(s):** At Main: Sociology 1021E.

**Antirequisite(s):** At Brescia, Huron, King's: Sociology 1020WX/X, 1021E.

2 lecture hours, 1 tutorial hour. 1.0 course (Brescia, Huron, King's, Main)

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**1020WX - INTRODUCTION TO SOCIOLOGY**

An examination of the major theoretical perspectives in the field of Sociology, methods of empirical investigation of social phenomena, socialization, group structure, principles of social organization, community structure, population and social change. This is a 10-unit condensed course, meeting for 3.0 hours, twice weekly, for a total of 6.0 hours/week.

**Antirequisite(s):** Sociology 1021E, Sociology 1020.

4 lecture hours, 2 tutorial hours. 1.0 course (Brescia, King's)

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**1021E - INTRODUCTION TO SOCIOLOGY**

This course will cover the same material as Sociology 1020, but will also provide students with the opportunity to enhance their essay writing skills while pursuing a project or projects involving sociological analysis.

**Antirequisite(s):** At Main: Sociology 1020.

**Antirequisite(s):** At Brescia, Huron, King's: Sociology 1020, Sociology 1020WX/X.

2 lecture hours, 1 tutorial hour. 1.0 course (Brescia, Huron, King's, Main)

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**1025A/B - SOCIETY AND YOU**

The sociological imagination helps us see how society shapes our lives and how we, as individuals, can change society. It also helps us understand the relationship between problems we face as individuals and issues in society as a whole. We focus on three core issues: inequality, institutions, and social change.

3 lecture hours. 0.5 course (Main)

**1026F/G - CONTROVERSIES IN SOCIOLOGY**

Conceptions of ourselves and society are often based on taken-for-granted meanings. This course critically analyzes these meanings in order to disclose what likely are their underlying economic, political, religious, educational and gender/sexual themes.

3 lecture hours. 0.5 course (Main)

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**1027A/B - LIFE IS NOT ALWAYS FAIR**

In this introductory sociology course, we will challenge commonly held assumptions about individual success, talent and merit. Students will be introduced to important sociological debates about the nature of inequality, and how different social institutions and processes are implicated in the creation and maintenance of this inequality.

2 lecture hours, 1 tutorial hour. 0.5 course (Main)

**1050A/B - AN INTRO TO COMMUNITY, SERVICE AND ACTIVE CITIZENSHIP**

Students will be introduced to the interdisciplinary study of community and asset-based community development through service-learning. Emphasis will be placed on understanding competence and the way individuals become diverse-competent.

3 hours. Sociology 1050A/B does not serve as a prerequisite for other Sociology courses and may not be used to fulfill the requirements for entry into the Sociology modules.

0.5 course (Brescia)

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**SPANISH**

**1030 - SPANISH FOR BEGINNERS**

Using traditional and communicative practices (songs, videos, films, games) this course prepares students to interact in a daily life context and provides the foundation for continued studies in Spanish. Designed for students with little or no knowledge of Spanish.

Includes a Community Service Learning option.

**Antirequisite(s):** Grade 12U Spanish, Spanish 1030WX/X.

3 lecture hours plus 1 hour online (Main). Those students with Grade 12U Spanish (or equivalent) must consult the Department before registering for this course (Brescia, King's). 1.0 course (Brescia, King's, Main)

**1030WX/X - SPANISH FOR BEGINNERS (ACCELERATED)**

Using traditional and communicative practices (songs, videos, films, games) this course prepares students to interact in a daily life context and provides the foundation for continued studies in Spanish. Designed for students with little or no knowledge of Spanish. Prepares students directly for Spanish 2200 or Spanish 2200WX.

**Antirequisite(s):** Grade 12U Spanish, Spanish 1030.

**Prerequisite(s):** Permission of the department.

8 hours, one semester. 1.0 course (Main)

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**STATISTICAL SCIENCES**

**1023A/B - STATISTICAL CONCEPTS**

An examination of statistical issues aiming towards statistical literacy and appropriate interpretation of statistical information. Common misconceptions will be targeted. Assessment of the validity and treatment of results in popular and scientific media. Conceptual considerations of study design, numerical and graphical data summaries, probability, sampling variability, confidence intervals and hypothesis tests.

**Antirequisite(s):** Statistical Sciences 2037A/B.

Offered in two formats: 3 lecture hours, or weekly online lectures and 2 in-class lab hours. 0.5 course (Main)

**1024A/B - INTRODUCTION TO STATISTICS**

Statistical inference, experimental design, sampling design, confidence intervals and hypothesis tests for means and proportions, regression and correlation.

**Antirequisite(s):** All other courses or half courses in Introductory Statistics, except Statistical Sciences 1023A/B and Statistical Sciences 2037A/B.

**Prerequisite(s) for King’s, Main:** Grade 12U Mathematics or Mathematics 010A/B or Mathematics 1229A/B.

Offered in two formats: 3 lecture hours, or weekly online lectures and 2 in-class lab hours (Main); 3 lecture hours (Huron, King’s). 0.5 course (Huron, King’s, Main)

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**THANATOLOGY**

**1025A/B - Introduction to Thanatology**

An interdisciplinary overview of major themes and attitudes regarding death, loss, grief, and bereavement. Topics include the Death System, personal death awareness, ethical issues, end of life care, supporting grieving individuals, funeral practices, and cultural issues in the field.

**Antirequisite(s):** The former Thanatology 2200. 3 lecture hours, 0.5 course (King’s)

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**VISUAL ARTS HISTORY**

**1040 - A HISTORY OF ART AND VISUAL CULTURE**

An introductory survey examining key works of art within the intellectual and social contexts of their production. This course provides a working knowledge of the history of art and architecture from the earliest times to the present and supplies the critical tools necessary for studying art and visual culture.

2 lecture hours and 1 tutorial hour. 1.0 course (Main)

**1041A/B - ART, VISUAL CULTURE, AND POWER**

This introductory course serves as a starting point to study the foundations of art history. It focuses on the social role of art, architecture, and culture, particularly in terms of the way that visual culture relates to propaganda, power and struggle.

2 lecture hours and 1 tutorial hour. 0.5 course (Main)

**1042A/B - ART, SCIENCE, AND TECHNOLOGY**

This introductory course serves as a starting point to study the foundations of art history. It is an exploration of the various relationships between art, science and technology. Topics may include the history of medical illustration and imaging, art’s engagement with scientific principles and issues, and the changing role of...
WOMEN’S STUDIES

1020E - INTRODUCTION TO WOMEN’S STUDIES
A survey of selected topics in the study of gender structures and the status of women in historical and cross-cultural perspective. These will include consideration of social and psychological processes by which gender identity is established in the individual, its institutional manifestations, and its articulation with class and race structures.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1021F/G - INTRODUCTION TO SEXUALITY STUDIES
We introduce students to current social and political issues in sexuality studies, with a focus on contemporary issues around sexuality, including formation of sexual identities, sexual practices and politics, policing of sexuality, questions of sexual diversity, and the historical and global nature of ideas and controversies around sexuality.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1022F/G - GENDER, JUSTICE, CHANGE
The 21st century is a period of accelerating change focused around issues of gender, justice and activism. This course will introduce students to the ways in which movements for justice and change are informed by and take up gender issues in matters of education, health, poverty, globalization, the environment, etc.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

1023F/G - GAY LIFE AND CULTURE IN THE 21ST CENTURY: BEYOND ADAM AND STEVE
Judging by the media, you would think the only issue in gay life today is same-sex marriage. This course will examine many of the other issues affecting gay men, such as sexual politics and practices, body image, health, consumer culture, social media, television and film, and intersections with race and class.
3 hours. 0.5 course (Main)

1024F/G - INTRODUCTION TO EQUITY, DIVERSITY, AND HUMAN RIGHTS
This course surveys theory and practice in the fields of equity, diversity, and human rights as they are taken up in institutional domains such as social work, education, and law and in schools of thought such as critical race studies, feminism and gender studies, sexuality studies, and disability studies.
2 lecture hours, 1 tutorial hour. 0.5 course (Main)

WRITING

0010F/G - FUNDAMENTALS OF ACADEMIC WRITING FOR INTERNATIONAL STUDENTS
This course will introduce multilingual students to the basics of academic writing. They will learn strategies for idea generation and the process with review of principles of strong arguments and research. Students will also focus on fundamental rules of grammar and apply these to written work.
Antirequisite(s): Writing 0002F/G.
Prerequisite(s): registration in a Preliminary Year Program at Brescia University College, and written 0010F/G or permission of the Department.
3 class/lecture hours, 1 tutorial hour. 0.5 course (Brescia)

0011F/G - INTRODUCTION TO BASIC ACADEMIC WRITING IN ENGLISH FOR MULTILINGUAL STUDENTS
This course for multilingual students will develop skills in planning and composing in the writing process, and pre-writing skills such as note-taking from lectures and academic readings. These will help students develop an appreciation for appropriate vocabulary, syntax, and style of the various discourse communities at the university.
Antirequisite(s): Writing 0002F/G.
4 lecture hours. 0.5 course (Brescia, Huron)

0012F/G - INTRODUCTION TO ADVANCED ACADEMIC WRITING IN ENGLISH FOR MULTILINGUAL STUDENTS
This course will introduce multilingual students who have a good knowledge of academic essay format to those rhetorical and format-based skills necessary for advanced level writing in the disciplines. The course will discuss the reader-written-message triangle as it applies to different writing forms within the academy. It is designed to help multilingual students develop the linguistic, rhetorical, and strategic competencies that they will need to succeed in advanced academic courses at the undergraduate level, and incorporates discussion of those issues that are culturally relevant to a Canadian academic community.
Antirequisite(s): The former Writing 0010F/G, Writing 0011F/G.
3 lecture hours. 0.5 course (Brescia)

0015F/G - ADVANCED ACADEMIC WRITING FOR INTERNATIONAL STUDENTS
This course will continue to develop the academic writing skills of international students by concentrating on research skills and incorporating citations through the writing process with review of principles of strong arguments and research. Students will also focus on fundamental rules of grammar and apply these to written work.
Antirequisite(s): Writing 0002F/G, Writing 0010F/G.
Prerequisite(s): registration in a Preliminary Year Program at Brescia University College, and written 0015F/G or permission of the Department.
3 class/lecture hours, 1 tutorial hour. 0.5 course (Brescia)

1000F/G - THE WRITERS’ STUDIO
Students are introduced to the creative process of writing through in-class exercises, peer workshop, analysis of creative texts, journaling, essay writing, and a review of writing mechanics. Students learn strategies for idea generation in a variety of genres, composing a first draft, approaching revision, and effective editing and proofreading.
Antirequisite(s): Any Writing course or half course at the 1000, 2100 or 2200 level.
3 lecture hours. 0.5 course (Main)

1002F/G - INTRODUCTION TO WRITING IN ENGLISH
This course is an introduction to academic writing for first-year English as a Second Language students in all disciplines. Topics range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.
Antirequisite(s): The former Writing 0002F/G,
COURSES

Writing 1020F/G, Writing 1021F/G, Writing 1022F/G, Writing 2101F/G.
3 lecture hours. 0.5 course (King’s)

1020F/G - WRITING: INTRODUCTION TO UNIVERSITY ESSAY WRITING
A practical introduction to the basics of successful academic writing, designed for first-year students in all disciplines. Topics will range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.
Antirequisite(s): Writing 0002F/G, Writing 1002F/G, Writing 1021F/G, Writing 1022F/G, Writing 2101F/G.
3 lecture/tutorial hours. [This course will not serve as a prerequisite for any area of concentration]. 0.5 course (Brescia, King’s)

1021F/G - BASIC ACADEMIC WRITING FOR MULTILINGUAL STUDENTS
Restricted to first-year multilingual international and exchange students, this course follows Writing 0011 F/G. The course continues to develop skills of planning and composing in research essays and refines writing skills by introducing language and citation conventions and self-editing for more complex writing projects. Readings that explore questions of identity and relationships within western culture will stimulate assignments such as summaries, an annotated bibliography, and a research essay.
Antirequisite(s): Writing 1020F/G.
Prerequisite(s): Writing 0011F/G, or permission of the instructor.
4 lecture hours. 0.5 course (Huron)

1022F/G - UNIVERSITY WRITING IN ENGLISH
Restricted to English as a Second Language students. This course will build on writing skills developed in Writing 0002F/G or 1002F/G. It will provide students with intensive hands-on writing practice on a weekly basis and offer opportunities to develop research-based writing skills through various academic forms.
Antirequisite(s): Writing 1020F/G and Writing 1021F/G.
Prerequisite(s): Writing 0002F/G, Writing 1002F/G or the former Writing 0001F/G or permission of the Department.
3 hours. 0.5 course (King’s)

1025F/G - CRITICAL READING AND WRITING
Students will explore the assumptions behind academic discourse, critically analyze academic readings, and learn to write effectively for a variety of academic discourse communities.
Antirequisite(s): Writing 1020F/G, Writing 1021F/G, Writing 1022F/G and Writing 2101F/G.
3 hours. 0.5 course (Huron)

1030F/G - WRITING FOR PROFESSIONAL SUCCESS IN NURSING
This course serves as an introduction to the basic principles and techniques of good writing, an integral tool for learning and a vital source of communication in the Nursing profession. The course will emphasize practical work and the development of writing skills for a variety of styles and genres appropriate to the profession.
0.5 course (Main)

1031F/G - GLOBAL POSITIONING: INTRODUCTION TO RHETORIC AND PROFESSIONAL COMMUNICATION
This course will introduce students to the rhetorical principles and practices of written and oral communication in professional contexts. Particular attention will be paid to understanding audience, context, and purpose; modes of persuasion; and the negotiation of cultural difference.
Antirequisite(s): Writing 2111F/G.
3 lecture hours. 0.5 course (Main)