Here are some telephone numbers and websites that you may find useful now and while you’re at Western.

Campus Recreation Membership Services
519.661.3090
westernmustangs.ca

Equity & Human Rights Services
519.661.3334
uwo.ca/equity

Indigenous Services
519.661.4095
indigenous.uwo.ca

International and Exchange Student Centre (IESC)
519-661-2111, ext. 89309
iesc.uwo.ca

ITS Help Desk
(student computing enquiries)
519.661.3800
uwo.ca/its

Learning Skills Services
519.661.2183
sdc.uwo.ca/learning

Off-Campus Housing
519.661.3550
offcampus.uwo.ca

Office of the Ombudsperson
519.661.3573
uwo.ca/ombuds

Pamphlet
519.661.3973
uwo.ca/parking

Psychological Services
519.661.3031
sdc.uwo.ca/psych

Registration Helpline
519.661.2100

Residence at Western
519.661.3547
residenceatwestern.ca

Scholarships
519.661.2100
registrar.uwo.ca/student_finances/scholarships_awards

Services For Students with Disabilities (SSD)
519.661.2147
sdc.uwo.ca/ssd

Sports and Recreation Membership Services (tryout and eligibility)
519.661.3551
westernmustangs.ca

Student Central
519.661.2100
registrar.uwo.ca/general-information/student_central_office.html

Student Development Centre (SDC)
519.661.3031
sdc.uwo.ca

Student Financial Services
519.661.2100
registrar.uwo.ca/student_finances

Student Health Services
Medical: 519.661.3030
Counselling: 519.661.3771
health.uwo.ca

The Student Success Centre:
Careers, Leadership and Experience
519.661.3599
success.uwo.ca

Summer Academic Orientation (SAO)
519.661.2100
sao.uwo.ca

The Book Store
519.661.3520
bookstore.uwo.ca

Undergraduate Recruitment & Admissions
519.661.2100
welcome.uwo.ca

University Students’ Council
519.661.3574
westernusc.ca

Writing Support Centre
519.661.3655
sdc.uwo.ca/writing

Privacy Policy: Western University is committed to protecting the privacy of personal information that is shared with us. For information on Western’s privacy policies refer to: uwo.ca/univsec/privacy

For details on how the Office of the Registrar collects and uses personal information refer to: registrar.uwo.ca/general-information/release_of_information.html

Contact us

IMPORTANT DATES

June 18 – July 30
Summer Academic Orientation (SAO)

September 6-7
Residence move in dates

September 6-12
Orientation Week

September 10
Fall/winter term classes begin

September 18
Last day for late registration

Last day to add a full course, a first-term half course, first-term full course, or a full year half course on campus and through Distance Studies

November 5
Last day to drop first-term half course or a first-term full course without academic penalty

November 30
Last day to drop a full course or a full-year half course (on campus day and evening, and Distance Studies) without academic penalty

December 9
Classes end

December 10
Study day

December 11-22
Mid-year exams

January 4
Classes resume

January 12
Last day to add a second-term half course or a second-term full course without academic penalty

February 15-19
Reading Week

March 7
Last day to drop second-term half course or a second-term full course without academic penalty

April 6
Classes end

April 7-8
Study days

April 9-30
Final exams

2015

Join our Class of 2019 Facebook group.

WesternU Mobile
Get the whole Western University experience in your pocket. Download the iPhone and Android app at: uwo.ca/its/mobile-doc

2016
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TOP 10 REASONS TO CHOOSE WESTERN

1) A BEAUTIFUL CAMPUS
2) THE WESTERN GUARANTEE
3) UNIQUE PROGRAMS & ACADEMIC CHOICES
4) AWARD-WINNING FACULTY & STAFF
5) BRIGHT, DIVERSE & SATISFIED STUDENTS
6) FIRST-RATE RESIDENCE SYSTEM
7) EXCEPTIONAL FINANCIAL SUPPORT
8) CLASSROOM CONNECTIONS TO REAL-WORLD EXPERIENCES
9) SUPPORT NETWORKS FOR WORK EXPERIENCE
10) GLOBAL CONNECTIONS

For all the details, visit welcome.uwo.ca/top_10
Living in London

With a diverse population of more than 366,000, London is the educational, cultural and economic hub of southwestern Ontario. We offer the best of both worlds with big city excitement and a small town feel.

Affectionately known as the Forest City, London boasts an extensive trail system for walking, running, biking and inline skating. Tree-lined trails run along the Thames River – right into Western’s campus.

London is a great place to shop, dine and enjoy the nightlife with unique retailers, trendy stores, suburban shopping malls, intimate cafes, pubs and fine dining culinary experiences.

Home to a thriving creative community, London hosts professional offerings from Orchestra London, the Grand Theatre and Museum London to countless other museums, community ensembles and Western’s own McIntosh Art Gallery and Paul Davenport Theatre.

Londoners also love to celebrate diversity. Our city is home to numerous festivals year-round including Sunfest, Home County Music and Art Festival, Pride London Festival and Snowfest.

Discover London’s spirit online at: londontourism.ca

Living in Residence

Western Residences offer more than just a place to eat and sleep. Residence life engages and connects you to the university community and fosters your growth as a leader. There are ample opportunities for personal growth and involvement in a range of activities.

Why Residence at Western?

The Academic Edge: Studies have shown that students who live in residence do better academically than those living off campus.†

Skill Development: Opportunities exist to expand your personal and professional skills through academic, social, cultural and recreational activities.

Healthy Dining: Flexible meal plans are available at in-building dining halls with a six-week menu cycle, offering a wide range of nutritious options to suit everyone’s tastes and dietary preferences.

Convenient Location: Western is home to nine residences, all within a 5-10 minute walk to classes, libraries, recreation facilities and campus services.

Different Room Styles: Both traditional-style and suite-style rooms are available. Plus, hybrid-style residences offer single and double rooms with semi-private washrooms.

Safety is Important to Us: Enjoy a clean, inclusive and supportive environment where you can focus on your studies. In residence, our front doors are locked 24/7.

Memories to Last a Lifetime: Meet friends, make connections and get engaged in the Western community.

To learn more about Western’s first-rate residence system and amenities, please visit the Residence at Western website at: residenceatwestern.ca

† Source: Office of Institutional Planning & Budgeting, Western University, internal data 2002-2012.
Frequently Asked Questions

1. Do we have to register in advance to attend SAO?
   Yes. Due to the number of students and their guests attending SAO, and our efforts to
   make this a wonderful experience for everyone, we cannot accept drop-in arrivals.

2. What if I am unable to come to campus for an orientation day?
   Students living more than four hours away from London qualify for telephone/Skype
   program advising. Please call us (519.661.2100) to book an appointment beginning in early June or book online at sao.uwo.ca

3. How should I prepare for my SAO appointment?
   Review your course descriptions and program information in this First Year Calendar.
   Make notes about required courses and courses that interest you. If you would like to
   see our full academic calendar, check our website at: westerncalendar.uwo.ca
   Bring this First Year Calendar with you to SAO. Plan to spend most of your day at
   Western. Expect your orientation to last a minimum of five to six hours.

4. Should I book a campus tour for the same day?
   No. Brief campus tours lasting 1.25 hours are an optional part of SAO and include
   touring one suite-style and one traditional-style residence. If you are unable to attend a
   tour on your SAO day, you may book a separate campus tour online at: welcome.uwo.ca/connect_with_western/visit_western

5. Can parents and other guests attend SAO?
   Yes. We offer a concurrent parent program that includes information about student
   services, strategies to help ease the transition to university, residence life, student
   financial services, and career planning. Due to limited space, we can only allow up
   to two guests per student. All guests must register for the parent program with their
   student online at: sao.uwo.ca

6. Will parents be included in the course advising session?
   The advising sessions at SAO are intended to be an opportunity for first-year students
   to interact one-on-one with an academic advisor or faculty member from their faculty/
   program. It is important for parents to discuss course selection with their student
   before attending the SAO program.

7. Can I stay overnight?
   Yes. We offer two styles of accommodation to suit your preferences:
   Ontario Hall is open as a Bed & Breakfast in the summer months and can accommodate
   you in a semi-private, suite-style room. SAO participants are offered a special rate, free
   parking, a continental breakfast and high-speed Internet. Please mention SAO when you
   book your accommodation.
   stayatwestern.ca | 1.888.661.3545
   Windermere Manor offers 48 spacious suites and rooms, a full hot breakfast, free
   parking, wireless Internet service, in-room spa service, an on-site restaurant, and a fully
   licensed outdoor patio. Windermere Manor is located five minutes from Western’s Main
   Campus. SAO participants get a 10% discount on suites and rooms.
   windermere Manor | 1.800.997.4477 | reservations@windermere.uwo.ca

8. Is lunch available?
   SAO participants receive a discount on food purchases with their SAO nametag.
   Choices include the Centre Spot Food Court, The Wave and The Spoke.
   has.uwo.ca/hospitality/eateries
9. Are there services for students with disabilities?
Yes. To prepare for fall courses call Services for Students with Disabilities (SSD) at 519.661.2147 or visit sdc.uwo.ca/ssd
Academic accommodation must be requested during the summer, after students register for courses. For more information about SSD, please see page 10.
If you require any special arrangements in order to participate in SAO, please contact the Program Coordinator at sao_registration@uwo.ca or 519.661.2111, ext. 89080.

10. How many courses do I take?
Full-time students* normally register in 5.0 courses. Scholar’s Electives and Engineering students take more than 5.0 courses in their first year.

*You are considered a full-time student and must pay full-time fees if you are registered for 3.5 courses or more.

11. How do I register for courses?
You are not required to wait for your SAO day to register for courses. We do suggest that an advisor at SAO review your selections. You can view registration information online at: registrar.uwo.ca/general-information/how_to_guides/step_by_step_guide_to_registration.html.
If you require further assistance call our Registration Helpline at 519.661.2100.

12. What is the deadline and how do I change my courses?
The final day to add a full course or a first-term half course is September 18*. The final day to add a second-term half course is January 12*. Once SAO ends, you must obtain academic counselling through your faculty’s academic counselling office.

*Dates may be subject to change.

Affiliated University College students obtain counselling through their appropriate Registrar’s Office at their College.

Brescia University College: brescia.uwo.ca
Huron University College: huronuc.on.ca
King’s University College: kings.uwo.ca

13. Why do I need a student card and how do I obtain one?
The Western ONECard is both your campus identification card (required for all final exams) and a convenient, easy, and safe way to make purchases and use services on campus.
You can upload your photo online at student.uwo.ca or you may get your photo taken on campus during SAO.
More information is available online at: registrar.uwo.ca/general-information/western_onecard.html

Feedback from 2014 SAO Participants

“My SAO experience was fantastic. I was originally very intimidated by the thought of choosing courses and attending such a large university, however this orientation alleviated much of that worry and made me much more knowledgeable about what my Western experience will be like! I’m so glad I attended!”

“This was such a help! I was kind of nervous about finding (and liking) an elective that could fit into my schedule but the teacher and student volunteers helped so much.”

“The advisor was absolutely phenomenal to work with. She knew everything inside out. I’m very thankful for her help. The student who helped me with registration knew his part very well and made the process a lot easier.”
Admission Scholarship Information
All admission scholarships are merit-based scholarships for secondary school applicants. Eligibility is based on a final admission average including prerequisite courses, calculated for the program to which the student has confirmed acceptance. No application is required. Scholarship funds will be applied to tuition.
For complete details regarding eligibility please visit registrar.uwo.ca/student_finances/scholarships_awards/admission_scholarship_program.html

<table>
<thead>
<tr>
<th>SCHOLARSHIPS</th>
<th>VALUE</th>
<th>FINAL ADMISSION AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuing Admission Scholarships*</td>
<td>Unlimited at $10,000 $2,500/year for up to four years</td>
<td>95% or higher</td>
</tr>
<tr>
<td>Western Scholarship of Excellence</td>
<td>Unlimited at $2,000 One year only</td>
<td>90% - 94.9%</td>
</tr>
<tr>
<td>Western Scholarship of Distinction</td>
<td>Unlimited at $1,000 One year only</td>
<td>88 – 89.9%</td>
</tr>
</tbody>
</table>

*The Don Wright Faculty of Music determines recipients for the Continuing Scholarships in Music.

National Scholarship Program
Application deadline: February 14
These are scholarships for secondary school applicants who have obtained a minimum overall academic average of 90 per cent. Application is required. Visit our website for more detailed information: registrar.uwo.ca/student_finances/scholarships_awards/national_scholarship_program.html

Government-Funded Financial Assistance
Ontario Students
The Ontario Student Assistance Program (OSAP) is a government-funded financial assistance resource available for residents of Ontario and is an excellent primary resource for students to consider. Eligibility is based on an assessment of each student’s needs and personal resources. The application process is free and you will receive an estimate for funding. Apply online at: osap.gov.on.ca
Please note: to ensure that your OSAP funding is available in September you must complete the application process by June 30, 2015. If your application is fully processed by your tuition deadline, and your first installment of funding covers your first installment of fees, your tuition will automatically be deferred to OSAP.
If your OSAP loan is insufficient, or if there has been a change in your family circumstances after the initial assessment, a review may be in order. Should this be the case, or if you experience other financial problems, sign in to your Student Center (student.uwo.ca) to book a financial aid appointment.

Some of our services for students include:
• Administering OSAP and other government assistance programs
• Administering the Western scholarship and bursary programs
• Financial counselling and budgeting assistance
For more detailed information visit our website at: registrar.uwo.ca/Student_Finances

Non-Ontario Students
Students can apply for assistance through their provincial Ministry of Education. Each province in Canada has its own application process. Please visit the appropriate provincial website for more details: registrar.uwo.ca/student_finances/sosap_government_loans/out_of_province_loans.html

International Students
The Ministry of Employment and Immigration requires all international students to prove that they have adequate resources before they may be admitted to Canada. Consequently, a bursary will normally be awarded only if there is evidence that circumstances have changed since your arrival in Canada. Obtain information about the Visa Student Bursary Program from the International Student Centre on the second floor of Western’s International and Graduate Affairs Building.
Take Control of Your Finances

Budget and Plan
You will have less stress about your finances and more time for studies if you budget and plan accordingly. Before you apply for any kind of credit, evaluate the cost of borrowing and terms of repayment. Remember, the way you manage credit will impact your credit history. Avoid the urge to increase spending based on anticipated income. Wait until you’ve earned it. Seek advice when making major financial decisions. Sign in to your Student Center page to book a financial aid appointment.

Understand Tuition Fee Payment and Refund Policies
Tuition fee payment and refund policies are currently under review. See registrar.uwo.ca/student_finances/fees_refunds for more information.

Pay Your Fees
• By internet banking through any Canadian bank – in the payee list, look for “University of Western Ontario” and select “Tuition”. Your student number is your account number.
• By cheque, money order, or Canadian debit in person at Student Central located in room 1120 of the Western Student Services Building (WSSB).
• By mailing a money order or cheque to: Student Financial Services Western University Western Student Services Building Room 1140 London, ON N6A 3K7
Payment by credit cards or cash are not accepted. For inquiries, please contact the Registrar’s Helpline at 519.661.2100. Payments must be received in our office by the due date. Postmarks are not sufficient.
Tuition fees for international students differ from domestic tuition fees. Western University receives no government funding for international students. Refer to registrar.uwo.ca for the most up-to-date fee information.

Failure to pay outstanding tuition and other related fees will result in academic and financial penalties up to and including removal from courses. For more information, refer to the Academic Sanctions, Deregistration and Reinstatement sections of the Academic Calendar.

Make an Appointment with a Student Financial Aid Officer
Should you have any concerns about your educational finances and need to discuss them confidentially, make an appointment with one of our Student Financial Aid Officers. During your appointment, topics of discussion may include: reviewing your OSAP entitlement, applying for financial assistance, developing a personal budget, student financial planning, debt management advice or emergency financial assistance.

Tuition Fee Payment Deadlines
Tuition fee payment deadlines are currently under review. See registrar.uwo.ca/student_finances/fees_refunds for more information.

Account Balance
You can check your fee account balance online through the Student Center (student.uwo.ca). You will need your student account login and password to access this information.

Cancellation Fees
Full-time students who withdraw from the University prior to the start of the session will be assessed a cancellation fee of $308. Also see the Withdrawals and Refunds section of the Academic Calendar. Part-time students who withdraw from their courses prior to the start of the session will be assessed a cancellation fee of $62 per full course and/or $31 per half course. Also see Withdrawals and Refunds section of the Academic Calendar or the Tuition/Refund Schedule on the Office of the Registrar website.

*Fees are subject to change. Please see registrar.uwo.ca for updated information.

Please note: it is very important that Main Campus students advise the Registrar’s Office (Academic Records) in writing, as soon as possible, if they are cancelling their registration. Failure to do so promptly will result in additional charges based on the current refund schedule. Affiliated University College students should advise their Registrar.

Estimated Cost of Attending Western

Tuition Fees
Approximately $7,300
(2014-15 full-time fees for many undergraduate programs)

Books and Supplies
Approximately $1,500
(program dependent)

Personal and Living Expenses
Approximately $5,000 - $14,000
(varies according to living arrangements and personal needs)

Financial Aid
519.661.2100 | finaid@uwo.ca

Scholarships
519.661.2100 | bursary@uwo.ca
Connect the Classroom to Real-World Experiences

Experiential Learning
Western offers many opportunities inside and outside the classroom for you to apply your theoretical knowledge in a real-world setting. With experiential learning, you can complement your academic studies with relevant, rewarding experiences that help you develop important skills and refine your career options.

experience.uwo.ca

Alternative Spring Break (ASB)
ASB offers students the opportunity to have an unforgettable spring break by travelling with Western faculty and staff team leaders to participate in weeklong service projects in communities around the globe. Past service projects have included: Habitat for Humanity builds in New Orleans, teaching English in the Dominican Republic, offering rural medical clinics in Costa Rica and Belize, and building an elementary school library in Peru.

asb.uwo.ca

Community Engaged Learning (CEL)
CEL, including community service learning, is a form of experiential education that connects the classroom with the community. By linking up with community-based projects, students are able to apply their learning in real-life situations, form meaningful local and international connections, develop critical thinking skills, and build their résumé through hands-on experience.

servicelearning.uwo.ca

Western Heads East
Partnering with Africa for health and sustainable development through probiotics, Western Heads East is an innovative and multidisciplinary initiative that aims to save and improve lives in Tanzania, Kenya and surrounding areas. Western students apply pioneering research to real problems for direct humanitarian benefit, including a nutrition program based on probiotics to empower women to establish community kitchens that make a sustainable difference in African communities.

westernheadseast.ca

Western Serves
Western Serves is an annual campus-wide program designed to provide Western students, staff and faculty with an opportunity to spend time together, engaged in active service in the London community. Participating community agencies address various social, economic, environmental, and health issues and include seniors’ communities, environmental organizations, social service groups and youth centres.

westernserves.uwo.ca

Co-Curricular Record
To recognize your achievements and showcase your involvement outside the classroom, Western offers a Co-Curricular Record, an official document acknowledging your participation in co-curricular activities. This document outlines 10 core areas, including: Career Preparation, Commitment to Learning, Communication, Diversity, Engaging in the Arts, Global Awareness, Health and Wellness, Leadership, Self-Awareness, and Social Responsibility.

success.uwo.ca/experience/Cocurricular_Record
Varsity Teams & Clubs
Western has a proud tradition of athletic excellence that extends from the field of play to the classroom. Western student athletes compete at the highest athletic and academic levels and they have the opportunity to enhance their leadership skills by being part of a varsity team.

22 Varsity High Performance Sports
24 Varsity Clubs
westernmustangs.ca

There’s a Club for That
You’ve probably been told that the best way to get the most out of your university experience is to get involved. It’s good advice – and with 175 student clubs Western makes it easy! From Amnesty International and Free the Children, to hip hop and yoga, if you’ve got a passion, we’ve got a club. The easiest way to find the right fit is during the annual Clubs Week showcase, held in September.
westernusc.ca/clubs

Learn Without Borders
Spread your wings and discover the world while earning your degree at Western. Whether you want to study, volunteer, work abroad, or participate in international learning at home, we offer a range of opportunities to integrate international experience into your university career.
uwo.ca/international/learning

PIERRE-PHILIPPE TURNBULL
HONORS SPECIALIZATION IN CONSUMER BEHAVIOR AND A MINOR IN TRANSITIONAL JUSTICE

LOCATIONS: KIGALI, RWANDA AND UNIVERSIDAD DE LAS AMERICAS, PUEBLA, MEXICO

“MY TIME AT WESTERN HAS BEEN EXHILARATING. DURING MY FOUR YEARS AT WESTERN I HAVE PARTICIPATED IN NUMEROUS INTERNATIONAL EXPERIENCES – EACH ONE MORE REWARDING THAN THE OTHER.”
Support Services to Help You Succeed

The Student Development Centre (SDC)
The SDC is home to a variety of services specially designed to meet the needs of undergraduate and graduate students. Staff members are highly trained and experienced professionals who know what campus life is all about. A dedicated group of student volunteers work with the SDC to provide programs to help you excel at university. Programs include peer-to-peer mentorship, writing support, learning skills services, and more.
sdc.uwo.ca | 519.661.3031

Indigenous Services
Indigenous Services offers culturally sensitive and respectful services and programs designed to recruit, retain and graduate First Nations, Inuit and Métis students. Our students have access to a computer lab, kitchen facilities, quiet study areas, group and gathering space, counselling and staff offices. The Access Transition Opportunities service advocates for specialized admissions and offers academically based support services for Indigenous students entering Arts & Humanities, Engineering, Health Sciences, Science and Social Science.
indigenous.uwo.ca

Learning Skills Services
Counsellors provide information and support to help students achieve academic success. Services include a drop-in help centre, presentations, individual counselling, resource library and help online. Drop by the Learning Help Centre to strengthen key academic skills, including time management, multiple choice test preparation and science/math problem solving skills.
sdc.uwo.ca/learning

Services for Students with Disabilities (SSD)
SSD assists students with ongoing conditions or challenges that may include chronic illnesses, chronic pain, attention deficit disorders, learning disabilities, mental health disabilities as well as vision, hearing or mobility impairments. Students with disabilities can find help accessing locations, services, technology and information.
sdc.uwo.ca/ssd

Writing Support Centre
The Writing Support Centre offers a Summer Academic Writing Clinic to ease your transition to university as well as free one-on-one tutoring sessions, online support, writing seminars and drop-in services.
sdc.uwo.ca/writing
The Student Success Centre (SSC)
The SSC offers programs and services designed to help you discover the best that you can be. The SSC offers leadership development and career exploration, skill development, mentoring, community engagement opportunities and social networks.

success.uwo.ca | successcentre@uwo.ca | 519.661.3559

Leadership and Mentorship Program (LAMP)
LAMP is a program that partners first-year students with an upper-year peer mentor from their faculty or program to discuss academic programming, extracurricular activities, student life and more.
lamp.uwo.ca

Leadership Education Program (LEP)
LEP is a series of workshops that cover three subjects: Individual Leadership, Group Leadership, and Community Leadership. Students receive a Letter of Accomplishment upon completion.
lep.uwo.ca

Out of Province Student Association (OPSA)
OPSA is a unique community of Canadian students from beyond Ontario’s borders. The group provides both transitional and ongoing academic and social support for out of province students attending Western University.

success.uwo.ca/first_year_programs/current_students/out_of_province_student_association.html

Society of Off-Campus Students (SOCS)
SOCS provides an inclusive and welcoming community for first-year students living off-campus through increased accessibility to resources, various events, and activities throughout the year.
socs.uwo.ca

Entrepreneurship at Western University
Western has established a new centre for entrepreneurship to build bridges with students, researchers, industry and businesses in the city to help student ventures get off the ground. Students can engage in experiential learning while working for start-ups, participate in entrepreneurship-related events and educational opportunities, and launch their own start-ups. The centre also assists with mentorship, financing and connections to other related organizations in the community.

entrepreneurship@uwo.ca

International and Exchange Student Centre (IESC)
International graduate and undergraduate students can access information, assistance, and year-round programs at the IESC, including help with government and work regulations, cultural transitions, academic and personal concerns, and financial issues.

iesc.uwo.ca

International Peer Connection (IPC)
IPC supports international students in their transition to university and Canadian life by connecting them with a peer guide who offers friendly support, assistance with cultural and transitional issues, as well as information about Western and London.

iesc.uwo.ca

SAMANTHA ROBERTS
ART HISTORY & CRITICISM WITH A CERTIFICATE IN BUSINESS FRENCH

“WESTERN REALLY ATTRACTED ME BECAUSE IT HAD A LOT OF FOCUS ON COMMUNITY AND MORE THAN JUST THE ACADEMICS. THEY HAVE SO MANY SERVICES ALL AROUND CAMPUS FOR ANYTHING YOU COULD POSSIBLY NEED. COMING FROM OUT OF PROVINCE, IT IS REALLY NICE TO BE AT A PLACE THAT CARES ABOUT YOUR HAPPINESS.”

WATCH SAMANTHA’S VIDEO ONLINE TO LEARN MORE ABOUT HER EXPERIENCE AT WESTERN: WELCOME.UWO.CA
**Campus Services**

**Student Central**
Student Central offers a wide variety of in person, online, and telephone services. The following is a partial listing of the services offered:
- Release of Information - online through your Student Center ([student.uwo.ca](http://student.uwo.ca))
- Official Western Letters - e.g., for proof of enrollment
- Third-Party Forms - e.g., RESP forms
- Western ONECard - upload a photo by logging into your Student Center ([student.uwo.ca](http://student.uwo.ca)) or by visiting Student Central in person
- Course registration assistance ([registrar.uwo.ca](http://registrar.uwo.ca) | [contact@uwo.ca](mailto:contact@uwo.ca) | 519.661.2100)

**Information Technology Services (ITS)**
ITS provides high-quality, cost-effective technology-related services and solutions to the campus community. ITS is your main contact for your Western Identity - your key to central services at Western. This identity, consisting of your user ID and password, was assigned to you upon application to Western. It is used as a central authentication source, granting you access to a variety of services. Activate your Western Identity today: ([uwo.ca/its](http://uwo.ca/its)/identities-new-student.html)

[uwo.ca/its](http://uwo.ca/its) | 519.661.3800

**Campus Recreation**
Campus Rec offers a wide range of programs and activities geared to all levels and abilities. Registered students receive a Western Student Recreation Centre (WSRC) membership, funded through a small recreation fee within their activity fees. The WSRC includes a fitness centre, eight-lane pool, five gymnasiums, and squash/racquetball courts.

[westernmustangs.ca/campusrec](http://westernmustangs.ca/campusrec) | campusrec@uwo.ca | 519.661.3090

**Western Libraries**
Our libraries offer millions of items in print, digital, and other formats. Helpful staff are available to provide assistance at service desks in eight different library locations on Main Campus. Our libraries are open up to 15 hours a day, with extended hours during exams. Students can also book group study rooms (some with technology provided). Visit our website online to find video tutorial, research guides, and assignment help.

[lib.uwo.ca](http://lib.uwo.ca)

**University Students’ Council (USC)**
As Canada's largest student union, the USC is committed to making your university experience enriching, exciting and enjoyable. The USC lobbies all levels of government to ensure that your education is affordable, accessible and of the highest quality. The USC also provides a variety of services including a bus pass, Student Health Plan, food bank, and support services like EnviroWestern, Ethnocultural Support, Pride Western, the Women’s Issues Network, plus more than 175 student clubs.

[westernusc.ca](http://westernusc.ca)

**University Community Centre (UCC)**
The UCC is home to your University Students’ Council (USC) and has a variety of services vital to a full and vibrant university experience. The UCC offers numerous services you’ll need while at Western from popular destinations such as the Book Store, Campus Computer Store, the Grocery Check Out, Hair Studio, Travel Cuts, the Purple Store, The Wave and Spoke restaurants, Western Film and many more.

[usc.uwo.ca/UCCMall](http://usc.uwo.ca/UCCMall)
Student Health Services
Health and Wellness services are available right on campus. Whether you’ve come down with a bad cold, or are feeling blue, help is only a few steps away. We offer student health services, dental clinics, psychological services, physiotherapy, and chiropractic care. We also have an optometry and a pharmacy located in the University Community Centre.

health.uwo.ca
Medical: 519.661.3030 | Counselling: 519.661.3771

Equity & Human Rights Services (EHRS)
EHRS is dedicated to making Western an equitable, safe and supportive environment for all members of the University community. They provide information, education and training on human rights and equity issues to all members of the Western community, individually or in groups. EHRS also administers the University’s policies on discrimination and harassment.

uwo.ca/equity

Office of the Ombudsperson
The Ombuds Office is available to all students and provides a safe, confidential environment in which students can discuss a University related problem or concern. This office provides general information about University resources, procedures, rules and students’ rights and responsibilities.

uwo.ca/ombuds

Campus Community Police Service (CCPS)
Western is patrolled every day by professionally trained special constables, backed with the same authority on campus as the city police. CCPS is involved in activities ranging from patrols to crime prevention to fire safety.

uwo.ca/police

Student Emergency Response Team (SERT)
SERT is a 24-hour, on campus, volunteer student emergency response team. CCPS dispatches a co-ed SERT team of three to any medical emergency on campus, with an average response time of two minutes.

sert.uwo.ca

Western Foot Patrol
Western Foot Patrol is a free service that provides safe escorts, deters crime and promotes safety awareness on Main Campus and the Affiliated University Colleges. Volunteers will wait with you at bus stops, walk you to your car or escort you to your residence after hours.

uwo.ca/footpatrol/
Internships and Co-ops
Internships and co-ops provide practical experience to help you gain the relevant knowledge and skills required to enter a particular career field. Check with your faculty to see if there is an internship or co-op option for your degree program. If not, there are other opportunities to gain experience with organizations not affiliated with the university.

success.uwo.ca/experience/internships

Fieldwork
Fieldwork allows you to integrate theory and skills learned in the classroom or laboratory into real-world environments. The practice and focus of fieldwork varies across disciplines but is mainly concentrated in the natural and social sciences such as biology, earth sciences, geology, anthropology and archaeology.

success.uwo.ca/experience/other/fieldwork

Job Shadow
Participating in Job Shadow gives you a chance to test-drive a specific job or employment sector to see if it is a good fit for your skills, interests and career plans. Job Shadow experiences are provided by southwestern Ontario employers and community members, and may last a half-day or full-day.

success.uwo.ca/experience/job_shadow.html
Alumni Western for Students

From your first step on campus as a Western student to the day you walk the stage to receive your degree, you are following the footsteps of exceptional graduates who have gone before you. Alumni, who are leaders and trailblazers across society, offer an unparalleled professional network for you to achieve the extraordinary. To begin your journey, Alumni Western organizes the following events for undergraduate students:

- **Backpack 2 Briefcase**: An event series designed to assist students in all years, across all programs to make genuine connections with alumni through networking opportunities.
- **Careers and Coffee**: A casual coffee time networking experience on campus for current students to make connections with alumni from various professions.
- **Last Lecture**: An elegant evening cocktail social for the graduating class, Last Lecture features a keynote speech delivered by a prominent alumnus.

Continuing Studies at Western

Continuing Studies offers post-degree diploma programs designed for university students and graduates wanting specific knowledge, skills and experience necessary to move into an exciting career and meet the demands of today’s employers. Taught by professionals in the field, our diplomas complement your undergraduate degree and prepare you for the career of your choice. Hands-on work placements in most of our programs add valuable experience to your degree.

Choose a career in one of these exciting fields:

- Arts Management
- Clinical Trials Management
- Computer Science
- Game Development
- Grief and Bereavement Studies
- History
- Marketing
- Not-for-Profit Management
- Occupational Health and Safety Management
- Pedorthics
- Public Relations

**CONNECTIONS START HERE**

Western graduates Sonja Fernandes, Samantha Laliberte and Bianca Lopes met during their studies through the campus business incubator, immediately forging a connection. This spring, they launched Ezzy Lynn, a business that merges their three common interests – social entrepreneurship, fashion and wildlife conservation. The trio handcrafts trendy hair accessories, which they sell online and in-store. For every 25 units sold, Ezzy Lynn ‘adopts’ an endangered animal through the World Wildlife Fund (WWF).
The Western Guarantee

 Ranked among the top 1% of universities worldwide, Western offers the best student experience inside and outside the classroom. And now the best student experience comes with a guarantee for first-year students.

Admission Scholarships
To recognize your academic achievement, we will offer you an admission scholarship ranging in value from $1,000 for one year, to $10,000 ($2,500 each year for four years) if you are admitted based on your secondary school diploma, and your final admission average including prerequisite courses as calculated by Western, is 88 per cent or greater. Western will determine averages for applicants who are not studying in a Canadian secondary school curriculum based on: curriculum, grading practices, grading scale interpretation and performance of previous students from that curriculum while at Western.

Financial Aid
Western will provide sufficient financial aid to cover your assessed educational needs including tuition, books and mandatory fees, if you are a Canadian citizen or permanent resident and if these needs are not fully met by the Ontario Student Assistance Program (OSAP) or another Canadian federal or provincial loan program.

The First-Year Courses You Want
Western offers more than 400 different specializations, majors and minors at the undergraduate level. Choose the first-year courses you want for the program in which you are enrolled on Main Campus and, as long as you have the prerequisites, we will guarantee you a spot in 1000 level courses on Main Campus.

A Place to Live in Residence
Experience the convenience, safety and support of living on campus. We guarantee you’ll start your new life at Western in one of our great residences, if you are a single student, without children, graduating from secondary school who has received an offer of full-time, first-year admission for September 2015. See residenceatwestern.ca for requirements.

An Extraordinary Student Experience
Learn from our brightest professors and researchers. Live in the best residence system and study on the most beautiful campus in the country. Complement your academic program with an exceptional range of curricular, co-curricular, and extracurricular activities. From recreational programming, to student government, varsity athletics, special interest clubs, and leadership and learning opportunities on and off campus, you will have near limitless possibilities for augmenting your education beyond the classroom. Gain valuable career experience through internships, co-ops, job shadowing, and volunteer programs, locally, nationally and internationally.

It’s all part of what we call Canada’s Best Student Experience.
Get Ready for Western!

Get Connected
Find and connect with members of our Western community through social media.

Facebook
Like our Future Students Page to connect with other students interested in studying at Western.
facebook.com/westernuWelcome

Twitter
Follow @westernu on Twitter and join the conversation with our official hashtag #offtowestern
twitter.com/westernu

Instagram
Follow @westernuniversity on Instagram to experience campus through the eyes of current faculty, staff and students.
instrument.com/westernuniversity

YouTube
Watch us on YouTube to experience life on campus and meet current students.
youtube.com/WesternUniversity

Get In The Know
Attend our information events to prepare for your journey to Western.

Summer Academic Orientation
Work with faculty members to choose and register for courses. Meet with upper-year students to learn about your program and student life. Connect with other first-year students.
welcome.uwo.ca/preparing/summer_academic_orientation.html

Off to Western Social Events
Off to Western social events are designed to make you feel more comfortable with your move to Western. Meet alumni and current Western students from your hometown who will share their experiences and tips for success with you.
alumni.western.ca/get-involved/students/off-to-western

Summer Academic Writing Clinic
Learn about all aspects of writing at the university level – before starting classes in September!
sdc.uwo.ca/writing/index.html?summer_writing_clinic

Get In The Spirit
Make your mobile background purple and proud. Set your ringtone to Western’s song. Download a Western Facebook cover image.
communications.uwo.ca/comms/western_brand/spirit.html

Get In The Gear
Get all the Western gear you need from our on-campus retailers.

The Book Store
Home to the official source of Western clothing and other products, Western’s official campus bookstore also offers the largest selection of new and used textbooks for all university courses.
bookstore.uwo.ca

Campus Computer Store
Offering educational rates for students on brand-name laptops, software, accessories and more.
computerstore.uwo.ca

Purple Store
Here you will find everything from Western-branded sweatshirts to tank tops to toques and bandanas.
usc-online.ca/thepurplestore/index.asp
Academic Information

English Language Proficiency

To be admitted to Western, you must be proficient in spoken and written English, and 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 1.0 course must be selected from each of two of Categories A, B, and C (See page 78). 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 1.0 course from each of Categories A, B, and C must be taken (see page 78). 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 2014 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.

Course Residency Requirements

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 courses 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 1.0 Human Ecology, Foods & Nutrition, or Family Studies course at an Affiliated University College.
2. 1.0 courses that are available only at the affiliated university colleges: e.g., Thanatology.
3. Continuing Studies Certificate/Diploma programs which require courses that are available only at the affiliated university colleges.
4. 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 78). 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.

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 78).

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 78). 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**
See Graduation Requirements for Honors Bachelor Degrees (Four-Year).

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

**Residency Requirements**
See Graduation Requirements for Honors Bachelor Degrees (Four-Year).

**Breadth Requirements**
See Graduation Requirements for Honors Bachelor Degrees (Four-Year).

**Additional Requirements for the Bachelor of Sciences Degree and Bachelor of Medical Sciences Degree (Four-Year)**
See Graduation Requirements for Honors Bachelor Degrees (Four-Year).

**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 78). 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 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 1.0 course from each of Categories A, B, and C (see page 78).

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 serve as the student’s primary academic advisor, working in collaboration with an Academic Counsellor from the student’s home Faculty. 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
Academic information

Distance Studies courses let you participate in class discussion, work together on joint projects, and submit assignments from your home computers. 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.

French Immersion School

Campus Office: WSS 3100
Website: 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 Dropping Courses

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 classes begin, 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”.

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.

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.

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.

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- Half-courses (0.5)

### 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.

### Adding and Dropping Courses

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.

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### Full Courses (1.0) and Full-Year Half-courses (0.5)

<table>
<thead>
<tr>
<th>Add (Number of Business Days from and including the start date of the session)</th>
<th>Drop</th>
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<tbody>
<tr>
<td>Fall/Winter-Campus (day and evening) 7</td>
<td>November 30</td>
</tr>
<tr>
<td>Intersession                    2</td>
<td>8</td>
</tr>
<tr>
<td>Summer Evening                  5</td>
<td>19</td>
</tr>
<tr>
<td>Summer Day                     2</td>
<td>8</td>
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</tbody>
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### Half-Courses (0.5)

<table>
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<tr>
<th>Add (Number of Business Days from and including the start date of the session)</th>
<th>Drop</th>
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</table>
| Fall/Winter-Campus (day and evening) 7 | Term 1: Nov. 5  
|   | Term 2: Mar. 7 |
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% to 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 web site). 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 day for dropping a course will be removed from a student’s record. A course that is dropped after the last date for dropping 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 accumulation 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 at the University under Conditions of Probation. See 2014 Academic Calendar for details.

- On Probation - 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 on the web at www.westerncalendar.uwo.ca 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. Enrolment in some modules may be limited.

**Modules may be combined in three different degrees:**
(See the chart below for how to combine modules)

**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)
- Major (6.0 - 7.0) plus Minor(s) or option(s)
- Major (6.0 - 7.0) plus option(s)

**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 option(s)
- Major (6.0 - 7.0) plus a Minor (4.0 - 5.0)
- Minor (4.0 - 5.0) plus a Minor (4.0 - 5.0) plus option(s) (2.0 - 0);
  - This combination requires two Minor modules.

<table>
<thead>
<tr>
<th>DEGREE TYPE</th>
<th>AVAILABLE MODULE COMBINATIONS</th>
</tr>
</thead>
</table>
| **The Honors Bachelor Degree (4-year)**| Honors Specialization  
Honors Specialization-Major  
Honors Specialization-Minor  
Major-Major |
| **The Bachelor Degree (4-year)**   | Specialization  
Specialization-Major  
Specialization-Minor  
Major  
Major-Major  
Major-Minor(s) |
| **The Bachelor Degree (3-year)**   | Major  
Major-Minor  
Minor-Minor |
ALL of the information—Programs, Modules, First Year Courses—that you need to complete this worksheet can be found in this calendar.

YOUR NAME: ___________________________________________________________________________________

FACULTY: ______________________________________________________________________________________

INTENDED MODULE(S)/PROGRAM(S): __________________________________________________________________

FUTURE CAREER/ACADEMIC GOALS: __________________________________________________________________

Course Planning

This section will help you and your Academic Counsellor at Summer Academic Orientation determine what courses you should take in your first year. Refer to this calendar for required courses in your program of interest.

<table>
<thead>
<tr>
<th>LIST REQUIRED FIRST YEAR COURSES FOR YOUR MODULE(S) OR PROGRAM(S)</th>
<th>LIST ANY OTHER COURSES OF INTEREST TO YOU</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>
Undergraduate Programs

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.

FACULTY OF ARTS AND HUMANITIES

Established 1878  ›  International and Graduate Affairs Building 1N20  ›  519-661-3043  ›  www.uwo.ca/arts

Dean: M. Milde
Associate Dean, Academic: J. Hatch
Associate Dean, Research: N. Bhatia

Studying the Arts and Humanities offers you an intellectually, culturally and personally enriching education that will also prepare you for a rewarding career. An Arts and Humanities degree allows you to investigate the core elements of our humanity, through the study of great literature, ancient and modern languages, visual arts, linguistics and philosophy. Explore the world of ideas (your own included), learn from the great thinkers and creators of the past and present, and expand your horizons.

Academic Counselling
B. Hakala, Academic Counsellor
A. Green, Academic Counsellor

International and Graduate Affairs Building 1N20
Hours: 9:30 - 12:00 & 1:00 - 4:00 PM (M - Th), 9:30 - noon (Fridays)
Telephone: 519-661-3043  Fax: 519-850-2376
Email: arts@uwo.ca
Drop-ins welcome; appointments available.

Admission Requirements

Required

› Six Grade 12U or M level courses including Grade 12U English (ENG4U)

Visual Arts - Honors BFA, HSP Studio Arts

› Six Grade 12U or M level courses including Grade 12U English (ENG4U)
› Online portfolio and personal statement

Note: Please see information in the “Visual Arts” section regarding alternate entrance requirements to Honors BFA for students who are not admitted to VAS 1025 and who take VAS 1020 instead.

Three-Year, Four-Year & Honors Degrees

General admission and progression requirements for degrees are listed in the Academic Information section.

School for Advanced Studies in the Arts and Humanities

For more information, please visit www.uwo.ca/arts/SASAH.

Degrees, Diplomas and Certificates Offered

› Honors Bachelor Degree (4-year); Bachelor Degree (4-year); Bachelor Degree (3-year)
› Honors Bachelor of Fine Arts (BFA); 4-year
› Certificate in Ethics
› Diploma in Ethics
› Certificat de français des affaires
› Diplôme de français des affaires
› Certificat de français pratique
› Diplôme de français pratique
› Certificate in Practical German
› Certificate in Practical Italian
› Certificate in Practical Spanish
› Certificate in Digital Spanish
› Certificate in Theatre Arts
› Certificate in Writing
› Diploma in Writing
› Certificate in Professional Communication
› Diploma in Professional Communication
› Diploma in Arts Management
› Diploma in Public Relations

Graduate Degrees

› Master of Arts (MA); Master of Fine Arts (MFA)
› Doctor of Philosophy (PhD)

SCHOOL FOR ADVANCED STUDIES IN THE ARTS AND 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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Arts and Humanities</td>
<td>Acceptance into the School of Advanced Studies in the Arts &amp; 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 &amp; Humanities 1020E with a minimum grade of 75%, plus 2.0 additional courses with no mark in these principal courses below 60%.</td>
</tr>
</tbody>
</table>
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 & 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</td>
<td>Classical Studies 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Specialization in Classical Studies</td>
<td>Classical Studies 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Classical Studies</td>
<td>Classical Studies 1000 is recommended.</td>
</tr>
<tr>
<td>Minor in Greek</td>
<td>Greek 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Latin</td>
<td>Latin 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Greek and Latin</td>
<td>Greek 1000 and Latin 1000 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Minor in Greek and Latin Literature</td>
<td>Classical Studies 1000 is recommended.</td>
</tr>
<tr>
<td>Minor in Greek and Roman Archaeology</td>
<td>Classical Studies 1000 is recommended.</td>
</tr>
<tr>
<td>Minor in Greek and Roman History</td>
<td>Completion of first year requirements. Classical Studies 1000 is recommended.</td>
</tr>
</tbody>
</table>

**ENGLISH AND WRITING STUDIES**

**ENGLISH**

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</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: 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, 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.</td>
</tr>
<tr>
<td>Honors Specialization in Creative Writing and 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: 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, 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.</td>
</tr>
<tr>
<td>Major in English Language and Literature</td>
<td>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 will be eligible for an Honors BA with double major if they obtain 70% average in the courses of each major module with no mark less than 60% in each course. No failures are permitted on options.</td>
</tr>
<tr>
<td>Specialization in English Language and Literature</td>
<td>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%.</td>
</tr>
<tr>
<td>Minor in English Language and Literature Minor in General English Minor in English for Teachers Minor in Popular Literature and Cultural Studies</td>
<td>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%.</td>
</tr>
</tbody>
</table>
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** | **PREREQUISITE COURSES**
---|---
Major in Theatre Studies | 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 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.

Minor in Theatre Studies | 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%.

Certificate in Theatre Arts: For details visit the Western Academic Calendar at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca).

**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** | **PREREQUISITE COURSES**
---|---
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, 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.

Minor in Creative Writing | 1.0 of English 1020E, 1022E, 1024E or 1027F/G and 1028F/G or Film Studies 1020E, with a minimum mark of 60%.

Minor in Writing Studies | Completion of first-year requirements.*
   *Students registering in the Minor in Writing Studies must complete Writing 1000F/G with a grade of at least 70%, or one of Writing 2101F/G, 2121F/G, 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.

Certificate in Writing, Certificate in Professional Communication, Diploma in Writing, Diploma in Professional Communication - visit the Academic Calendar at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca).

**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.

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

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For up to date module, program and course offerings please see [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca) 2015 First Year Calendar
**FRENCH STUDIES**  
[www.uwo.ca/french](http://www.uwo.ca/french)   >  Arts and Humanities Building 2R34B   >  519-661-2163

Mastery of French is an asset for any career in Canada. In the Department of French Studies, students can work toward an advanced level of spoken and written proficiency in the language. Study of the language is also greatly enriched by our courses in literature, literary theory, culture and civilization, linguistics and translation. Language courses include work in a state-of-the-art multimedia facility. Western’s five-week French immersion program in Quebec is the most recognized program of its kind in Canada. Students also have the opportunity to spend their third year in Quebec City at the Université Laval, or in France at the Université de Nice or the Université de Tours. Students with a Grade 12 French (or equivalent) should enrol in French 1900E or French 1910, whereas those with a Grade 11 French (or equivalent) should enrol in French 1010. Otherwise, students will need to take a French Placement test before enrolling. Please consult the Department of French Studies website for more information. ([www.uwo.ca/french](http://www.uwo.ca/french))

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<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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<tbody>
<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>Honors Specialization in French Linguistics 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>Honors Specialization in French Language and Linguistics</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 Studies</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Major in French Language and Literature</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Major in French Language and Linguistics</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Minor in French Studies</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Minor in Francophone Studies</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Minor in French Language and Literature</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Minor in French Language and Linguistics</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>Minor in French Language and Translation</td>
<td>French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
</tbody>
</table>

Certificate and Diploma in Business French/Certificate and Diploma in Practical French: For details visit the Western Academic Calendar at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca). 'Faculties,' 'Certificates and Diplomas.'

**MODERN LANGUAGES AND LITERATURES**  
[www.uwo.ca/modlang](http://www.uwo.ca/modlang)   >  Arts and Humanities Building 3R02   >  519-661-3196

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; Italian, and Gender, Sexuality & Culture. 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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in Comparative Literature 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Major in Comparative Literature 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Specialization in Comparative Literature 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Minor in Comparative Literature 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Minor in Sexuality 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Minor in Gender, Sexuality 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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
<tr>
<td>Minor in Digital Humanities</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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</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 German 1030, 1030W/X; plus 2.0 additional courses, with no mark less than 60% in these principal courses. CLC 1020 is recommended.</td>
</tr>
</tbody>
</table>
MODULE | PREREQUISITE COURSES
--- | ---
Major in German Language and Culture Minor in German Language and Culture | Completion of first-year requirements, including 1.0 course from German 1030 or 1030W/X with a mark of at least 60%. Students with Grade 12 U German will begin the module with German 2200.

Specialization in German Language and Culture | Completion of first-year requirements, including German 1030, 1030W/X with a minimum mark of 60% or successful completion of Grade 12U German. Comparative Literature and Culture 1020 is recommended.

Major in Italian Language and Culture Minor in Italian Language and Culture | Completion of first-year requirements, including 1.0 course from Italian 1030 or 1030W/X with a mark of at least 60%. Students with Grade 12 U will begin the module with Italian 2200.

Honors Specialization in Spanish Language and Hispanic Cultures | 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 1030W/X or successful completion of Grade 12U Spanish). 2.0 additional principal courses must be taken with no mark below 60%. Comparative Literature and Culture 1020 is recommended.

Specialization in Spanish Language and Hispanic Cultures Major in Spanish Language and Hispanic Cultures | Spanish 1030 or 1030W/X with a minimum mark of 60%, or successful completion of Grade 12U Spanish. Comparative Literature and Culture 1020 is recommended.

Major in Spanish Language and Linguistics Minor in Spanish Language and Hispanic Cultures Minor in Spanish Language and Linguistics Minor in Digital Spanish | Spanish 1030 or 1030W/X with a mark of at least 60% or successful completion of Grade 12 U Spanish or permission of the Department.

Certificate in Practical German, Italian, Spanish or Digital Spanish offered: For details visit the Western Academic Calendar at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca), ‘Faculties,’ ‘Certificates and Diplomas.’

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 2250W/X and Spanish 2200W/X – Consult the Department of Modern Languages and Literatures to request possible special permission.

PHILOSOPHY | [www.uwo.ca/philosophy](http://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.

MODULE | PREREQUISITE COURSES
--- | ---
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 1020, 1022E, 1100E, 1200 is recommended.

Major in Philosophy Specialization in Philosophy | 1.0 course from Philosophy 1020, 1022E, 1100E, 1130F/G, 1200, 1305F/G is recommended.

Minor in Philosophy Minor in Philosophy of Science Minor in Ethics | Completion of first year requirements.

Certificate in Ethics / Diploma in Ethics: For details visit the Academic Calendar at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca), ‘Faculties,’ ‘Certificates and Diplomas.’

VISUAL ARTS | [www.uwo.ca/visarts](http://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.

MODULE | PREREQUISITE COURSES
--- | ---
Honors Specialization in Visual Arts | 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 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 plus 1.0 additional course, with no mark in these principal courses below 60%.
### Honors Specialization in Art History and Criticism
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 either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B and VAH 1045A/B plus 2.0 additional courses, with no mark in these principal courses below 60%.

### 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 either Visual Arts History 1040 or two of VAH 1041A/B, VAH 1042A/B, VAH 1043A/B, VAH 1044A/B and VAH 1045A/B, and 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 VAH 1040 or 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 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.

### Major in Visual Art History
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 one.

### Major in Museum and Curatorial Studies
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 mark of at least 60%.

### Major in Visual Arts
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, or VAH 1045A/B with a mark of at least 60% in each course, or permission of the Department.

### Specialization in Visual Arts
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.

### Minor in Visual Arts
Visual Arts Studio 1020 or Visual Arts Studio 1025 and 1.0 course either 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 mark of at least 60% in each course, or permission of the Department.

### Minor in Art History and Criticism
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 one.

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### WOMEN’S STUDIES AND FEMINIST RESEARCH
[www.uwo.ca/womens](http://www.uwo.ca/womens)

See description in Inter-Faculty Departments/Modules on page 38.

### ADDITIONAL MODULES

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Medieval Studies&lt;br&gt;Minor in Medieval Studies (Interdisciplinary Module)</td>
<td>1.0 course from Medieval Studies 1022 or both of Medieval Studies 1025F/G and 1026F/G, with a mark of at least 60%.</td>
</tr>
</tbody>
</table>
Dean: A. Hrymak, P. Eng.
Associate Dean (Academic): F. Michael Bartlett, P. Eng.

**Academic Counselling**
Spencer Engineering Building 2097; 519-661-2130
Tuesdays and Thursdays from 9:00 am-12:00 noon by appointment, 2:00 pm-4:00 pm drop in.

**Admission Requirements**

**Required**
Six Grade 12U or M level courses including:
- Grade 12U English (ENG4U)
- Grade 12U Chemistry (SCH4U)
- Grade 12U Physics (SPH4U)
- Grade 12U Advanced Functions (MHF4U)
- Grade 12U Calculus and Vectors (MCV4U)

and 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 (BEngSc): 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](http://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 (SECOP) 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. Upon graduation, the students will receive a transcript notation identifying 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, has a 65% average, and has attended the Preparation and Training Workshops, may enrol in the Internship Program. Students interested in this program must apply on-line no later than the end of November in their second last year (usually third year). 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 (SECOP) 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, have completed a Preparation and Training Workshop and are returning to Engineering full-time during the following academic year. Students interested in SECOP 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 SECOP position.

For more information on Engineering Co-Op Programs – [www.eng.uwo.ca/coop](http://www.eng.uwo.ca/coop) or contact: Engineering Student Career Services, Room 2085, SEB; Western University, London, ON N6A 5B9; 519-661-4151 • contactWE@eng.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](http://www.eng.uwo.ca)

**First Year Program**
Full-year courses: Applied Mathematics 1413, Eng Sci 1050 and a Non-Technical Elective. (Approved list on Engineering website)

Full-year half course: Eng Sci 1022A/B/Y.

Half-year courses: Applied Mathematics 1411A/B, Chemistry 1024A/B, Eng Sci 1021A/B, Eng Sci 1036A/B, Physics 1401A/B, Physics 1402A/B. (Three of the half courses are to be 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 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.
For up to date module, program and course offerings please see [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca)

### Faculty of Health Sciences

Dean: J. Weese  
Associate Dean (Undergraduate): K. Wamsley  
Associate Dean (Graduate): R. Martin  
Associate Dean (Research): H. Berman

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.

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### Health Studies  
[www.uwo.ca/fhs/health_studies](http://www.uwo.ca/fhs/health_studies)  
Health Sciences Building 222  
519-661-4119

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 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 or M level courses including:

- English Grade 12U (ENG4U)

**Recommended**

- Biology Grade 12U (SBI4U)
- One of: Advanced Functions Grade 12U (MHF4U), Calculus and Vectors Grade 12U (MCV4U), Math of Data Management Grade 12U (MDM4U)

#### MODULES

<table>
<thead>
<tr>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Honors Specialization in Community Rural Health Development</strong></td>
</tr>
<tr>
<td>Completion of Health Sciences 1001A/B, Health Sciences 1002A/B, Sociology 1020 or 1021E, and Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223, with an average of at least 70% in each of the 3.0 courses, no principal course below 60%, and no failures.</td>
</tr>
</tbody>
</table>

| **Honors Specialization in Health Sciences* ** |
| Completion of first-year requirements with no failures. Students must have an average of at least 70% in the 5.0 course load with no grade less than 60%, and have a 70% average in the following 3.0 principal courses: Health Sciences 1001A/B and 1002A/B (with a minimum grade of 70%), Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223, and 1.0 additional course. Students are advised to consult with an academic counsellor prior to selecting their first-year courses to ensure that the appropriate prerequisite courses have been selected to allow registration in courses at the 2000 level or above. |

| **Honors Specialization in Health Sciences - Health Promotion* ** |
| Completion of first-year requirements with no failures. Students must have an average of at least 70% in the 5.0 course load with no grade less than 60%, and have a minimum 70% average in the following 3.0 principal courses: Health Sciences 1001A/B and 1002A/B (with a minimum 70% grade); Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223, and 1.0 additional course from Psychology 1000, the former Psychology 1200, Sociology 1020, 1021E, Anthropology 1025F/G, 1026F/G, 1027A/B. 1.0 course from Physiology 1021, 2130, or equivalent. If not completed in first year, the Physiology requirement must be completed by the end of second year. Enrolment in Bachelor of Health Sciences Program. Enrolment is limited. |

| **Honors Specialization in Rehabilitation Sciences** |
| Health Sciences 1001A/B with a minimum grade of 70%; Health Sciences 1002A/B with a minimum grade of 70%; Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223 or 026; 1.0 course from Physiology 1000. |

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**Degrees and Diplomas Offered**

- Bachelor of Health Sciences (BHSc): 3-year, 4-year and 4-year Honors
- Certificate and Diploma in Clinical Trials Management
- Diploma in Occupational Health and Safety
- Combined Degree Program: Combined programs is offered in Health Sciences and Honors Business Administration

**Graduate Degrees**

- Master of Science (MSc); Master of Clinical Science (MClSc); Master of Science in Occupational Therapy (MScOT); Master of Physical Therapy (MPT)
- Doctor of Philosophy (PhD)
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<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% in the 5.0 course load with no grade less than 60%, and have a minimum 70% average in the following 40 principal courses: Health Sciences 1001A/B and 1002A/B (with a minimum grade of 70%); Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223; Chemistry 1301A/B and 1302A/B or the former Chemistry 1100A/B and 1200B; 1.0 course from: Applied Mathematics 1201A/B or the former Calculus 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, the former Calculus 1100A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, Mathematics 1600A/B or the former Linear Algebra 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>Health Sciences 1001A/B and 1002A/B, or Kinesiology 1080A/B and 1088A/B, with a mark of at least 70%; Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223; 1.0 course from Psychology 1000, the former Psychology 1200, Sociology 1020, 1021E, Anthropology 1025F/G, 1026F/G, 1027A/B. 1.0 course from Physiology 1021, 2130, or equivalent. If not completed in first year, the Physiology requirement must be completed by the end of second year. Enrolment in Bachelor of Health Sciences or Kinesiology program. Enrolment is limited.</td>
</tr>
<tr>
<td>Specialization in Health Sciences* Major in Health Sciences*</td>
<td>Completion of first-year requirements with no failures. Students must have a mark of at least 60% in each of 5.0 courses and at least a 65% average in 3.0 principal courses, including: Health Sciences 1001A/B and 1002A/B; Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223; 1.0 additional course.</td>
</tr>
<tr>
<td>Minor in Health Sciences</td>
<td>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>Health Sciences 1001A/B and 1002A/B, or Kinesiology 1080A/B and 1088A/B, with a mark of at least 70%; Biology 1001A or 1201A and Biology 1002B or 1202B, or the former Biology 1222 or 1223; 1.0 course from Physiology 1021, 2130 or equivalent. If not completed in first year, the Physiology requirement must be completed by the end of second year. Enrolment in Bachelor of Health Sciences or Kinesiology program. Enrolment is limited.</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.</td>
</tr>
<tr>
<td>Minor in Foods and Nutrition</td>
<td>Completion of first-year requirements in the Health Sciences or Kinesiology program with an average of 70% and no failures. Must have an average of 70% in 3.0 principal courses including: Foods and Nutrition 1021, with a mark of at least 70% and Chemistry 1301A/B and 1302A/B, with a mark of at least 60%. Enrolment is limited.</td>
</tr>
</tbody>
</table>

*Students wishing to pursue a Health Sciences Honors Specialization, Specialization or Major must be enrolled in a Bachelor of Health Sciences degree program.

**KINESIOLOGY**

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 postmoved 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 or M level courses including:
  - English (ENG4U)
  - Biology (SBI4U)

**Recommended**

- A Grade 12 U-Level Math and Grade 11 or 12 U-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), Physics (SPH4U), or Computer & Information Science (ICS4U).
- 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*

*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.
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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Kinesiology - BSc</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 4.0 principal courses, with no mark in these principal courses below 60%, including: Kinesiology 1080A/B and 1088A/B, Physiology 1021 plus 1.0 additional course.</td>
</tr>
<tr>
<td>Honors Specialization in Kinesiology - BA Major in Kinesiology - BA</td>
<td>Completion of first year requirements with no course grade less than 60% on a fullcourse load. Students must have an average of at least 70% in the 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 1088A/B, Physiology 1021 plus 1.0 additional course.</td>
</tr>
<tr>
<td>Honors Specialization in Kinesiology - Sport Management 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 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 1088A/B, Physiology 1021, and Business Administration 1220E.</td>
</tr>
<tr>
<td>Honors Specialization in Kinesiology - BA Fitness and Exercise Prescription</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 75% in the 5.0 course load and 75% in 3.0 principal courses, including: Kinesiology 1080A/B, Kinesiology 1088A/B, Physiology 1021, plus 1.0 additional course.</td>
</tr>
<tr>
<td>Combined BA in Honors Specialization Kinesiology and Juris Doctor (Law)</td>
<td>Complete first year in the School of Kinesiology with an overall first year average of at least 80%, with no grade lower than 60% on a 5.0 course load; Kinesiology 1080A/B and 1088A/B must average to 80%. Physiotherapy 1021 is mandatory in first year. Complete second year and third year of the Kinesiology BA Honors Specialization program with a minimum average of 80% in each year; and achieve a competitive LSAT score as determined by the Faculty of Law.</td>
</tr>
</tbody>
</table>
### NURSING

**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**

Applicants must complete an Ontario Secondary School Diploma (OSSD) and have a minimum of six Grade 12 U or M-level credits, including the following with a minimum of 65% in each:

- Grade 12U English (ENG4U)
- Grade 12U Biology (SB4U)
- Grade 12U Chemistry (SC4U)
- Grade 12U 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 12 U/M level courses including the prerequisites of English-ENG4U, Biology-SB4U, Chemistry-SC4U and your next highest three Grade 12 U/M level courses (not co-op). In order to be considered for admission students should strive to achieve an average in the high 80s.

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

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### 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)

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#### Immunization

You 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 and immunization requirements.

**First Year Timetable**

**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)

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#### Academic Counselling

Denise Litzan; Health Sciences Addition H128; dlitzan@uwo.ca

519-661-2111 ext. 86564; Monday - Thursday: 8:00 am - 4:00 pm
FACULTY OF INFORMATION AND MEDIA STUDIES

Established 1997  ▸  North Campus Building 240  ▸  519-661-3720  ▸  www.fims.uwo.ca

Dean: T. Carmichael
Associate Dean: P. McKenzie
Associate Dean Undergraduate: S. Knabe
Assistant Dean: J. Burkell

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
NCB 236
519-661-3542
email: mit@uwo.ca
Appointment required.

Degrees Offered
» Bachelor of Arts (Media, Information and Technoculture): 3-Year
» Bachelor of Arts (Media and the Public Interest): 3-Year
» Bachelor of Arts (Media, Information and Technoculture): 4-Year
» Bachelor of Arts (Media, Information and Technoculture): 4-Year Honors Specialization
» Bachelor of Arts (Media and the Public Interest): 4-Year Honors Specialization
» Honors Specialization in Media, Information and Technoculture (MIT) and Honors Business Administration (HBA)
» Honors Specialization in Media, Information and Technoculture (MIT) and Juris Doctor (JD)
» Media Theory and Production – A collaborative degree/diploma with Fanshawe College
» Certificate and Diploma Programs in Digital Communication offered: For details visit the Western Academic Calendar at www.westerncalendar.uwo.ca, ‘Faculties’, ‘Certificates and Diplomas’.

Graduate Degrees
» Master of Arts (MA)
» Master of Health Information Science (MHIS)
» Master of Library & Information Science (MLIS)
» Master of Media in Journalism and Communication (MMJC) (Pending Quality Council Approval)
» Doctor of Philosophy (PhD)

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 or M level courses including:
» Grade 12U English (ENG4U)

Limited Enrolment
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% in five principal courses and a minimum grade of 65% in the three 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
Upper-year MIT and MPI 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, Bell Media Brand Partnerships, Canadian Living Magazine, and Universal Music.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in Media, Information and Technoculture</td>
<td>Students must have an average of at least 72% in 4.0 principal courses, with no mark below 60%, including a minimum grade of 70% in each of: Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and Media, Information and Technoculture 1025F/G.</td>
</tr>
<tr>
<td>Major in Media, Information and Technoculture</td>
<td>Students must have an average of at least 68% in 4.0 first-year courses, including a minimum grade of 65% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and Media, Information and Technoculture 1025F/G.</td>
</tr>
</tbody>
</table>
MODULE PREREQUISITE COURSES

**Minor in Media, Information and Technoculture**
Students must have an average of at least 65% and completion of 0.5 course from Media, Information and Technoculture 1050A/B.

**Honors Specialization in Media, Information and Technoculture (MIT) and Honors Business Administration (HBA)**
Students apply for this combined degree program during their HBA1 year. For more information, please visit the Academic Calendar website at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca).

**Honors Specialization in MIT and Law (JD)**
Students must apply to both the Faculty of Law and the Faculty of Information and Media Studies at the beginning of their 3rd year. For more information, please visit [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca).

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**MEDIA THEORY AND PRODUCTION (MTP)**

Earn a three-year BA in MIT and a two-year college diploma in only four years. Become articulate, informed and aware of the roles of various communications media in society. Apply hands-on techniques and processes related to specific communications technologies. This innovative, joint degree/diploma program offered in partnership with Fanshawe College will give you a thorough grounding in media theory as well as practical training in one of four streams.

After completing your first year at Western as an MTP student, you will select one of four areas of study for the Fanshawe diploma, and you will complete your requirements for the degree/diploma concurrently between both campuses in London.

The streams of study for the Fanshawe diploma are:
1. Interactive Media Design
2. Broadcasting – Television
3. Broadcasting – Radio
4. Journalism – Broadcast

**Admission Requirements**

Admission to each of these areas of specialization within the MTP program is limited and competitive and based on academic performance in first year.

**Required**
Six Grade 12U or M level courses including Grade 12U English (ENG4U).

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**PROGRAM PREREQUISITE COURSES**

**Media Theory and Production**
Students must have an average of at least 68% in 5.0 courses, with a mark of at least 65% in each of Media, Information and Technoculture 1020E or 1021F/G and 1022F/G, and Media, Information and Technoculture 1025F/G and Writing 2121F/G. At least 1.0 course must be selected from the Faculty of Arts and Humanities or the Faculty of Science.

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**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.

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**MODULE PREREQUISITE COURSES**

**Honors Specialization in Media and the Public Interest**
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 Media, Information and Technoculture 1025F/G.

**Major in Media and Public Interest**
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 Media, Information and Technoculture 1025F/G.
**LINGUISTICS**

Department of French Studies - AHB 2R12B  
D. Heap, Co-Director Arts and Humanities  
linguistics-ah@uwo.ca  

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

Linguistics is the scientific and humanistic study of language. This interdisciplinary 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**
--- | ---
Major in Linguistics | Anthropology 1027A/B and Linguistics 1028A/B with a mark of at least 60%.
Minor in Linguistics |  

**WOMEN’S STUDIES AND FEMINIST RESEARCH**

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. Must complete first year requirements to be eligible for these modules.

Students are encouraged to register for a French language course at their level of competence and to continue to at least the French 1900E/1910 level in order to be able to take advantage in later years of linguistics offerings taught in French.

**Academic Counselling**

Students seeking program counselling for Linguistics should contact one of the Co-Directors of the Program in Linguistics:  
Professor T. Granadillo (Department of Anthropology);  
Professor D. Heap (Department of French Studies).

**Admission Requirements**

- Grade 12U English (ENG4U)
- Grade 12U level French is strongly recommended

**Graduate Degrees**

- Master of Arts (MA); Doctor of Philosophy (PhD)

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**MODULE** | **PREREQUISITE COURSES**
--- | ---
Honors Specialization in Women's Studies | Complete of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principle courses; Women's Studies 1020E, or both Women's Studies 1021F/G and Women's Studies 1022F/G, plus 2.0 additional courses, with no mark in these principle courses below 60%.
Major in Sexuality Studies | Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or Women's Studies 1021F/G and Women's Studies 1022F/G) or Comparative Literature and Culture 1023 with a mark of at least 60%, or permission from the Department of Women's Studies and Feminist Research in consultation with module patterns.
Major in Women's Studies Specialization in Women's Studies | Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or Women's Studies 1021F/G and Women's Studies 1022F/G) with a mark of at least 60%.
Minor in Women's Studies Minor in Feminist Theory | Completion of first-year requirements, including 1.0 Women's Studies course at the 1000 level (either Women's Studies 1020E or Women's Studies 1021F/G and Women's Studies 1022F/G) with a mark of at least 60%, or permission of the Department.
Minor in Gender, Sexuality and Culture | 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 Women's Studies 1021F/G and Women's Studies 1022F/G) with a mark of at least 60%, or permission from either the Department of Modern Languages and Literatures or the Department of Women's Studies and Feminist Research.
The first year for all Bachelor of Music students includes courses in Music Theory, Music History, Music Skills (Sight-singing, Ear-training, and Keyboard Harmony), an introductory course in Vocal Music, a half-course music elective and one elective from outside the Don Wright Faculty of Music. Bachelor of Music students also receive weekly hour-long lessons plus regular master classes and ensemble experience. In the Bachelor of Arts music modules, lessons are optional (with an extra fee) and are often replaced with an additional elective from outside the Don Wright Faculty of Music. The BA music modules are especially well suited for students who wish to combine their music interests with other fields of study from across the University.

In the Bachelor of Music programs a specific area of study is normally selected toward the end of the first year, once the student has had the opportunity to assess their particular strengths and interests. In all programs, the core subjects—Music Theory, Music History, Music Skills—continue in the second year. The third and fourth years are the period of the greatest concentration in the specific area of study. Hour-long weekly lessons may continue through to the graduating year in all Bachelor of Music programs. The Bachelor of Musical Arts program offers hour-long weekly lessons in years one and two, and half-hour weekly lessons in years three and four.

Admission to Western’s Don Wright Faculty of Music is limited and competitive. Admission is awarded on the basis of your audition, of your high school average (Western requires an 80 percent average) and your Theory Placement Test score. We also evaluate your general background and preparedness for university music study, as assessed from the interview, questionnaire, letters of recommendation and level of piano proficiency.

**Admission Requirements: Bachelor of Music**
Six Grade 12U/M credits, including Grade 12U English (ENG4U), one of which may be Grade 12U Music or equivalent Conservatory certificates (Grade IX vocal or instrumental with Grade III 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 manifest 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.

**Admission Requirements: Bachelor of Arts**
Six Grade 12U/M credits, including Grade 12U English (ENG4U), and, 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.

**Academic Counselling**
Talbot College 210
519-661-2044 or 519-661-2111 x85370
9:30 am-11:30 am and 1:30 pm-3:30 pm
Appointment preferred

**Degrees and Diplomas Offered**
- Bachelor of Arts Honors Specialization: Music (4-year)
- Bachelor of Arts Major: Music (3-year or 4-year)
- Bachelor of Arts Major: Popular Music Studies
- Bachelor of Arts Specialization: Music Administrative Studies
- Bachelor of Music (BMus) 4-year available in:
  - Music Education
  - Music History
  - Music Performance
  - Music Theory
  - Music Composition
- Bachelor of Musical Arts (BMusa) 4-year
- Bachelor of Musical Arts/Music Recording Arts (Collaborative degree/diploma with Fanshawe College).
- Bachelor of Arts Honors Specialization Music/Honors Business Administration
- Bachelor of Arts Major: Music/Honors Business Administration
- Bachelor of Musical Arts: Honors Music/Honors Business Administration
- Music Performance Diploma: 3-year
- Artist Diploma in Performance: 1-year
- Certificate in Piano Technology

**Graduate Degrees**
- Master of Arts (MA)
  - Areas of study: Music Theory, Musicology, Popular Music
- Master of Music (MMus)
  - Areas of study: Composition, Literature and Performance, Music Education
- Doctor of Musical Arts (DMA)
- Doctor of Philosophy (PhD)
  - Areas of study: Composition, Music Education, Music Theory, Musicology
- Graduate Diploma in Community Music Leadership

**First Year BMus and BMusa Programs**

Ensemble: One, or more, of: Music 1901, 1902, 1903, 1904, 1905, 1906, 1910, 1911, 1912, 1913. One half-course from the Faculty of Music. One course from a Faculty other than Music.
### Module Prerequisite Courses

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year BA Honors Specialization: Music</strong></td>
<td>Music 1649A/B*, 1650A/B, 1710F/G, 1711F/G.</td>
</tr>
<tr>
<td><strong>First Year BA Specialization: Music Administrative Studies</strong></td>
<td>Economics 1021A/B, 1022A/B or Economics 1020, Management and Organizational Studies 1021A/B and 1023A/B, one of Calculus 1000A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; Music 1635A/B, 1649A/B*, 1650A/B, 1710F/G; 0.5 course from the Department of Music Research and Composition.</td>
</tr>
<tr>
<td><em>If you cannot demonstrate competence in theory rudiments, melody writing and elementary harmony, you must acquire such competence, either by taking Music 0601A or through independent study, before enrolling in Music 1649A/B.</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th><strong>Module</strong></th>
<th><strong>Prerequisite Courses</strong></th>
</tr>
</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 1.0 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 1.0 course from: English 1020E, 1022E, 1027F/G, 1035E, 1036E, Film Studies 1020E, CLC 1020.</td>
</tr>
<tr>
<td>Specialization in Music Administrative Studies</td>
<td>Recommendation of the Faculty on the basis of an audition/interview. 1.0 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 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>
</tr>
<tr>
<td>Minor in Dance</td>
<td></td>
</tr>
<tr>
<td>Western/Fanshawe Collaborative Degree/ Diploma in Music Recording Arts (MRA)</td>
<td>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>
</tbody>
</table>
Academic Counselling

Science and Basic Medical Sciences
Academic Counselling Office - WSC 191
Phone: 519-661-3040
Email: sciBmsac@uwo.ca
Web: www.uwo.ca/sci/undergrad/academic_counselling

Drop-in Counselling (Monday - Friday):
10:00 am to 12:00 pm
2:00 pm to 4:00 pm

Admission Requirements for Medical Sciences First Entry:
Six Grade 12U or M level courses including:
- Grade 12U English (ENG4U)
- Grade 12U Calculus and Vectors (MCV4U)
- Grade 12U Biology (SBI4U)
- Grade 12U Chemistry (SCH4U)

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

Admission Requirements for Science:
Six Grade 12U or M level courses including:
- Grade 12U English (ENG4U)
- Grade 12U 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. Please check the prerequisite courses required for your preferred modules (areas of study) to ensure you have the appropriate background.

First year Biology and Chemistry courses require Biology SBI4U and Chemistry SCH4U respectively. First year Biology and Chemistry courses are required for all modules offered by the Department of Biology and for some modules offered by the Department of Chemistry and other Science departments.

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
- BSc Honors combined with JD (Law): 6-year program, available only in Computer Science
- 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.

APPLIED MATHEMATICS

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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
</table>
| Honors Specialization in Applied Mathematics | Completion of first-year requirements with no failures. Students must have a minimum average of 70% on 3.0 principal courses, with no mark less than 60% in any principal course. Principal courses include: Calculus 1000A/B, 1500A/B; 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 at least 60% for either, is normally taken in Year 1.
| Honors Specialization in Mathematical Sciences | Completion of first-year requirements with no failures. Students must have a minimum average of 70% in the following 3.0 principal courses, with no mark less than 60% including: Calculus 1000A/B, 1500A/B, 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 at least 60% for either, is normally taken in Year 1. Recommended (but not required) first year courses: Statistical Sciences 1023A/B.

FACULTY OF SCIENCE

Established 1924  Western Science Centre 191  519-661-2111 x86152  www.uwo.ca/sci

Dean: C. Dean
Associate Deans: J. Hutter (Academic)
C. Jones (Graduate and Post Doctoral Studies)
C. Gibson (Basic Medical Sciences Undergraduate Education)
C. L. Milligan (Administration)
B. Neff (Research)

Five-year program

Bachelor of Medical Sciences (BMSc): 4-year; 4-year Honors

Diploma in Computer Science

Diploma in Game Science Development

www.apmaths.uwo.ca  Middlesex College 255  519-661-3649

In 2015 First Year Calendar ACADEMIC INFORMATION 41
**MODULE** | **PREREQUISITE COURSES**
---|---
Major in Applied Mathematics | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%). Mathematics 1600A/B or Applied Mathematics 1411A/B, with a mark of at least 60% for either, is normally taken in Year 1.

Major in Applied Mathematical Methods | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); Computer Science 1025A/B or 1026A/B and Computer Science 1027A/B; Mathematics 1600A/B or Applied Mathematics 1411A/B, with a mark of at least 60% for either, is normally taken in Year 1.

Major in Scientific Computing and Numerical Methods | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); either Physics 1301A/B and 1302A/B, or Physics 1401A/B and 1402A/B, or Physics 1501A/B and 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% for either, is normally taken in Year 1.

Major in Theoretical Physics | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); either Physics 1301A/B and 1302A/B, or Physics 1401A/B and 1402A/B, or Physics 1501A/B and 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% for either, is normally taken in Year 1.

Specialization in Applied Mathematics | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%). Mathematics 1600A/B or Applied Mathematics 1411A/B, with a mark of 60% for either, is normally taken in Year 1.

Minor in Applied Mathematics | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); either Physics 1301A/B and 1302A/B, or Physics 1401A/B and 1402A/B, or Physics 1501A/B and 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% for either, is normally taken in Year 1.

Minor in Mathematical and Numerical Methods | Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in the following courses: Calculus 1000A/B, 1500A/B; Calculus 1501A/B (or Calculus 1301A/B with a mark of at least 85%); either Physics 1301A/B and 1302A/B, or Physics 1401A/B and 1402A/B, or Physics 1501A/B and 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% for either, is normally taken in Year 1.

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

**BIOINFORMATICS**  Middlesex College 355  519-661-3566

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**  www.uwo.ca/biology  North Campus Building 301  519-661-2111 x86790

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. Our undergraduates also have the opportunity to work closely with our faculty in research projects during their fourth year of study and so many can be found in labs and in the field during the academic year.

**MODULE** | **PREREQUISITE COURSES**
---|---
Honors Specialization in Biology | 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 1002B 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.

Honors Specialization in Genetics | 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 1002B or 1202B, Chemistry 1301A/B and 1302A/B; Psychology 1000 with no mark in any of these principal courses below 60%. 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.

Honors Specialization in Animal Behaviour (BSc) | 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 1002B or 1202B, Chemistry 1301A/B and 1302A/B; Psychology 1000 with no mark in any of these principal courses below 60%. 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.

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; plus 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 Biology | Completion of first-year requirements with no failures: 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 Genetics | Completion of first-year requirements with no failures: 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.

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.
### CHEMISTRY

www.uwo.ca/chem ▶ Chemistry Building 119 ▶ 519-661-2166

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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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<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, including: Chemistry 1301A/B and 1302A/B (with an average of at least 60%); Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B with an average of at least 60%; plus 1.0 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 (with an average in the two of at least 60%).</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, including: 1.0 course from: Chemistry 1301A/B and 1302A/B (with an average of at least 60%), 1.0 course from: Biology 1001A and 1002B (with an average of at least 60%), 1.0 course from: Calculus 1000A/B, 1500A/B, and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B, Mathematics 1600A/B, Mathematics 1225A/B or 1229A/B (An average in the two courses of at least 60% is required); 1.0 course from: (Physics 1028A/B or 1301A/B or 1501A/B) and (Physics 1029A/B or 1302A/B or 1502A/B), with an average of at least 60% (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>See Biochemistry department listing.</td>
</tr>
<tr>
<td>Major in Chemistry</td>
<td>Completion of first year requirements with no failures. Chemistry 1301A/B and 1302A/B (with an average of at least 60%); Physics 1028A/B or 1301A/B or 1501A/B and Physics 1029A/B or 1302A/B or 1502A/B, with an average in the two half courses of at least 60%; 1.0 course from: Calculus 1000A/B, 1500A/B, and 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%).</td>
</tr>
<tr>
<td>Minor in Chemistry</td>
<td>Completion of first year requirements with no failures. Chemistry 1301A/B and 1302A/B (with an average in two of at least 60%), Calculus 1000A/B, 1500A/B, and Applied Mathematics 1201 A/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

www.csd.uwo.ca ▶ Middlesex College 355 ▶ 519-661-3566

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>
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</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% with no mark less than 60% 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, Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Information Systems</td>
<td>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: 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, Mathematics 1600A/B.</td>
</tr>
<tr>
<td>Honors Specialization in Medical Health Informatics</td>
<td>See Pathology Department listing. Offered only within a BMSc (Honors) degree.</td>
</tr>
</tbody>
</table>
### Module: Honors Geophysics Program (For Professional Registration)

Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 courses: 1.0 course from: Chemistry 1301A/B and 1302A/B with an average of at least 60%; 1.0 course from: 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%; 0.5 course from: Calculus 1000A/B, 1500A/B, Mathematics 1225A/B. A minimum mark of 60% in the course required; 0.5 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G. A minimum mark of 60% in the course is required; 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.

### Module: Minor in Geology

Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 principal courses including: Chemistry 1301A/B and 1302A/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; Physics 1028A/B, 1029A/B, 1302A/B, 1303A/B, 1304A/B, Mathematics 1600A/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.

### Module: Minor in Geophysics

Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 courses: 1.0 course from: Chemistry 1301A/B and 1302A/B with an average of at least 60%; 1.0 course from: Physics 1028A/B, 1301A/B, 1401A/B and 1501A/B and (Physics 1029A/B, 1302A/B, 1402A/B or 1502A/B) with an average of at least 60%; 0.5 course from: Calculus 1000A/B, 1500A/B, Mathematics 1225A/B. A minimum mark of 60% in the course required; 0.5 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G. A minimum mark of 60% in the course is required; 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or Mathematics 1600A/B.

### Module: Minor in High Performance Computing

Completion of first-year requirements with no failures. 1.0 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.

### Module: Minor in Game Development

Registration in either the Honors Specialization in Computer Science or the Specialization in Computer Science following Year 1.

### Module: Minor in Theoretical Computer Science

Registration in the Honors Specialization in Computer Science following Year 1.

### Module: Combined Honors BSc Computer Science/JD Program

Completion of first-year requirements with no failures. Year one principal courses: Computer Science 1025A/B, 1026A/B, and Computer Science 1027A/B or 1037A/B; 1.0 course from: Applied Mathematics 1201A/B, 1413, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1600A/B.

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### Earth Sciences

The Earth is a dynamic planet that has yet to be fully understood. Discover the concepts of continents breaking apart, ocean floors regenerating, or an asteroid’s impact carrying enough energy to sterilize the planet. We emphasize solid Earth geology, geophysics and environmental sciences. Students interested in palaeontology can combine this program with Biology. A Minor in Planetary Science and Space Exploration examines the factors that shape the planets, moons and asteroids in our solar system.

### Module: Honors Geophysics Program

The completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 courses: 1.0 course from: Chemistry 1301A/B and 1302A/B with an average of at least 60%; 1.0 course from: (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%; 0.5 course from: Calculus 1000A/B, 1500A/B, Mathematics 1225A/B. A minimum mark of 60% in the course required; 0.5 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G. A minimum mark of 60% in the course is required; 1.0 course from: Applied Mathematics 1201A/B or the former Calculus 1201A/B, Biology 1001A, 1002B, 1201A, 1202B or the former Biology 1222, 1223, Calculus 1301A/B, 1501A/B, Computer Science 1025A/B, 1026A/B, 1027A/B, Mathematics 1600A/B or the former Linear Algebra 1600A/B, Mathematics 1228A/B, 1229A/B, Statistical Sciences 1023A/B, 1024A/B, or the former Statistical Sciences 2122A/B. This requirement must be completed by the end of second year; 1.0 additional course from category A or category B.

### Module: Honors Geology Program

Completion of first-year requirements with no failures. Students must have an average of at least 70% in the following 3.0 principal courses including: Chemistry 1301A/B and 1302A/B with a mark of at least 65%; 1.5 courses (each with a minimum mark of 60%) 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; 1.0 additional course (with an average mark in the two of at least 60%) 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 or Statistical Sciences 1024A/B. This requirement must be completed by the end of second year.

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**EARTH SCIENCES**

www.uwo.ca/earth  Biological and Geological Sciences 1026  519-661-3187
Determining 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 to understand the relationship between the biosphere and human impact.

### Module Prerequisite Courses

#### Honors Specialization in Geophysics
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 taken, 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); Physics 1028A/B and 1029A/B with an average of at least 80%; 1.0 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 or the former Linear Algebra 1600A/B must be completed before the beginning of third year.

#### Honors Specialization in Geology and Biology
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 of the 3.0 principal courses taken, 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 or the former Calculus 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.

#### Honors Specialization in Environmental Geoscience
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% in each of the principal courses taken, including: Biology 1001A or 1201A and 1002B or 1202B or the former Biology 1222, 1223, Chemistry 1301A/B and 1302A/B, 0.5 course from: Calculus 1000A/B, 1500A/B, 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.

#### Major in Geology
- **Minor in Geology**
- **Minor in Planetary Science and Space Exploration**
Completion of 9.0 first-year courses.

#### Specialization in Geology
Completion of first-year requirements, including the following 3.0 courses: 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, Chemistry 1302A/B, Physics 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1501A/B, 1502A/B or the former Physics 1020 or 1024, Biology 1001A, 1002B, 1201A, 1202B. A minimum mark of 60% in each course is required; 1.0 additional course from: Calculus 1000A/B, 1500A/B, 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.

#### Specialization in Geophysics
Completion of first-year requirements. Students must have a minimum of 60% in each of the 3.0 principal courses taken, 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%; 1.0 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1302A/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.

#### Specialization in Geology and Biology
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 or 1500A/B and one of Applied Mathematics 1201A/B or 1301A/B or 1302A/B, or Physics 1028A/B and 1029A/B with an average of at least 80%; 1.0 course from: Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, 1083F/G, Chemistry 1302A/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.

#### Specialization in Geology and Biology Specialization in Environmental Geoscience
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 or 1500A/B and one of Applied Mathematics 1201A/B or Calculus 1301A/B or 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.

#### Minor in Geophysics
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%.

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**Environmental Science**  [www.uwo.ca/enviro](http://www.uwo.ca/enviro)  Western Science Centre 109  519-850-2570

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 Prerequisite Courses

- **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: Biology 1001A or 1201A and 1002B or 1202B; Chemistry 1301A/B and 1302A/B; 0.5 course from: Environmental Science 1021F/G, or a 1000-level half course in Geography, or Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, or 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.
### Environmental Science

**MODULE**

- Major in Environmental Science
- Specialization in Environmental Science
- Minor in Environmental Science Science

**PREREQUISITE COURSES**

Completion of first-year requirements, with no mark in these principal courses below 60%, including:
- Biology 1001A or 1201A and 1002B or 1202B;
- Chemistry 1301A/B and 1302A/B;
- 0.5 course from: Environmental Science 1021F/G, or a 1000-level half course in Geophysics, or Earth Sciences 1022A/B, 1023A/B, 1070A/B, 1081A/B, or 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.

### MATHEMATICS

[www.math.uwo.ca](http://www.math.uwo.ca)

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 friendly guidance of math professors. Note the existence of research opportunities for promising students.

**MODULE**

- Honors Specialization in Mathematics
- Honors Specialization in Mathematics in Society
- Major in Mathematics

**PREREQUISITE COURSES**

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 Calculus 1501A/B (or 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, with a minimum mark of 60% must be completed prior to Mathematics 2120A/B.

### PHYSICS AND ASTRONOMY

[www.physics.uwo.ca](http://www.physics.uwo.ca)

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 planet, 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.

**MODULE**

- Honors Specialization in Physics
- Honors Specialization in Astrophysics
- Honors Specialization in Medical Physics
- Major in Physics
- Specialization in Physics
- Specialization in Astrophysics
- Specialization in Medical Physics
- Major in Astrophysics
- Major in Medical Physics
- Minor in Physics

**PREREQUISITE COURSES**

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, 0.5 additional course.
### STATISTICAL AND ACTUARIAL SCIENCES

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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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<tbody>
<tr>
<td><strong>Honors Specialization in Actuarial Science</strong></td>
<td>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 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.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Financial Modelling</strong></td>
<td>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. Recommended (but not required) first year courses: Economics 1021A/B and Economics 1022A/B, Philosophy 1200, Computer Science 1026A/B and/or 1027A/B.</td>
</tr>
<tr>
<td><strong>Honors Specialization in Statistics</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Major in Actuarial Science</strong></td>
<td>Completion of first-year requirements with no failures. 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.</td>
</tr>
<tr>
<td><strong>Major in Financial Modelling</strong></td>
<td>Completion of first-year requirements with no failures. 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%), 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. Recommended (but not required) first year courses: Economics 1021A/B and Economics 1022A/B, Philosophy 1200, Computer Science 1026A/B.</td>
</tr>
<tr>
<td><strong>Major in Applied Statistics</strong></td>
<td>Completion of first-year requirements with no failures. Students must have a minimum grade of 60% in 3.0 principal courses including: Calculus 1000A/B, 1500A/B plus 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.</td>
</tr>
</tbody>
</table>

* 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. Mathematics 1600A/B (or Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of the second year.
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.

**BSc (Honors) Degree:**
The BMSc (Honors) degree must contain one of the following Honors Specializations:

- Biochemistry
- 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
- Pathology
- Pharmacology
- Physiology
- Physiology and Pharmacology;

OR two of the following Majors:

- Biochemistry
- Interdisciplinary Medical Sciences (IMS)
- Medical Biophysics
- Medical Cell Biology
- Microbiology and Immunology
- Pathology
- Pharmacology
- Physiology
- Physiology and Pharmacology;

**BSc Degree:**
The BMSc degree must contain one of the following Specializations:

- Biochemistry
- Interdisciplinary Medical Sciences (IMS)
- Medical Biophysics
- Medical Cell Biology
- 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 provided 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.

Students who complete the courses in Medical Sciences 1 and 2 without being registered in Medical Sciences First Entry, as well as students in Medical Sciences 2 who are not granted assured admission, may apply for any remaining spaces in Year 3 BMSc. A minimum average of 75% on the 2000-level courses will be required but this average may be higher if the number of students applying from this “competitive pool” exceeds the number of spaces remaining in Year 3 BMSc. See the Academic Calendar for more details.

**Admission Requirements for Medical Sciences First Entry**
Six Grade 12U 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 12 U Physics (SPH4U).

**Graduate Degrees:**
- Master of Science (MSc)
- Master of Clinical Science (MCISc)
- Master of Clinical Dentistry (MCID)
- Master of Public Health (MPH)
- Doctor of Philosophy (PhD)
## ANATOMY AND CELL BIOLOGY

**www.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.

### MODULE

**Honors Specialization in Medical Cell Biology**

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.

**Major in Medical Cell Biology**

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%.

**Minor in Medical Cell Biology**

A degree containing this module may require 4 years for completion. Minimum marks of 60% must be achieved in each of the following half courses: 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.

## BIOCHEMISTRY

**www.schulich.uwo.ca/biochem**  >  Medical Sciences Building M342  >  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 includes molecular genetics, structural biology, signal transduction, and bioinformatics.

### MODULE

**Honors Specialization in Biochemistry**

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.

**Honors Specialization in Biochemistry and Pathology of Human Disease**

**Honors Specialization in Biochemistry of Infection and Immunity**

**Honors Specialization in Chemical Biology**

**Honors Specialization in Computational Biochemistry**

**Honors Specialization in Medical Biophysics and Biochemistry**

**Honors Specialization in Biochemistry and Chemistry**

See Chemistry Department listing. Offered only within a BSc (Honors) degree.

**Honors Specialization in Genetics and Biochemistry**

See Biology Department listing. Offered only within a BSc (Honors) degree.

**Major in Biochemistry**

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%.
### Biochemistry continued

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<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: 1.0 course: Biology 1001A and 1002B each with a minimum mark of 60%; 1.0 course: Chemistry 1301A/B and 1302A/B with a minimum mark of 60% in each; 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 (BMSc) 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.uwo.ca/epidem**  
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>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in Epidemiology and Biostatistics</td>
<td>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 this Honors Specialization module. See Admission to BMSc for more details.</td>
</tr>
</tbody>
</table>

### MEDICAL BIOPHYSICS

**www.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>
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</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Medical Biophysics (Medical Science Concentration)</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 1301B or 1501B 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>Honors Specialization in Medical Biophysics (Clinical Physics Concentration)</td>
<td>This module can be completed only within a Bachelor of Science (BSc) Honors degree. Completion of first-year requirements with no failures. Students must have an average of at least 70% on the following 4.0 principal courses, with no mark below 60% in any of these (full or half) principal courses: 0.5 course from: Physics 1028A/B, 1301A/B, 1401A/B or 1501A/B (one of Physics 1301A/B or 1501A/B is preferred); 0.5 course from: Physics 1292A/B, 1302A/B, 1402A/B or 1502A/B (one of Physics 1302A/B or 1502A/B is preferred); 1.0 course from: Calculus 1000A/B or 1500A/B, and Calculus 1301A/B or 1501A/B, or Applied Mathematics 1413; 1.0 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>
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</tr>
</tbody>
</table>

HBA1.
### Module: Honors Specialization in Medical Biophysics (Biological Science Concentration)

This module can be completed only within a Bachelor of Science (BSc) Honors degree. Completion of first-year requirements with no failures. Students must 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 from: 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.

### Module: Major in Medical Biophysics

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%. Please note that one of Calculus 1301B or 1501B must be completed along with one of Calculus 1000A/B or 1500A/B. 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%. Please note that one of Calculus 1301B or 1501B 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.

### Module: Minor in Medical Biophysics

Completion of first-year requirements, including the following courses with a minimum mark of 60% in each full or half 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; 1.0 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.

### Medical Sciences and Interdisciplinary Medical Sciences (IMS)

**www.schulich.uwo.ca/bmsc**  Medical Sciences Building M138  519-661-2111 x83169

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.

### Module: 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.

### Module: 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.

### Module: 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.

### Module: Major in Medical Sciences

The Major in Medical Sciences can be completed in any degree other than a BMSc degree. Students must complete first-year requirements (5.0 courses), 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 Mathematics 1201A/B, Calculus 1000A/B or 1500A/B, Calculus 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/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.

### Module: Minor in Medical Sciences

Students must complete first year, 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.
Students combine foundational courses in both the medical sciences (such as understanding the biochemistry of infection, pathology, and medical Health informatics: microbiology and immunology) which provide students with a comprehensive understanding of the molecular and cellular biology of infection and immunity. 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.

**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.

**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).

**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).
**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. Physiology is an excellent background for disciplines such as medicine, dentistry, nursing, kinesiology, physical therapy and chiropractic medicine.

**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 Prequisite Courses

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Pharmacology</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 Physiology</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Physiology and Pharmacology</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Pharmacology</td>
<td>Students completing either or both of these Majors in a BMSc degree will register in the Major(s) 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%.</td>
</tr>
<tr>
<td>Major in Physiology</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization in Pharmacology</td>
<td>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.</td>
</tr>
<tr>
<td>Specialization in Physiology</td>
<td></td>
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<tr>
<td>Specialization in Physiology and Pharmacology</td>
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</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor in Pharmacology</td>
<td>Students must complete first year, including the following courses with minimum marks of 60% in each 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); Chemistry 1301A/B and 1302A/B.</td>
</tr>
</tbody>
</table>

### Neuroscience - Bachelor of Science (BSc)

**www.schulich.uwo.ca/bsc-neuroscience**  
Medical Sciences Building M138  
519-661-3169

Neuroscience is the study of the brain and behaviour, addressing questions from the molecular structure of neurons to the brain mechanisms of perception, learning, language and thought.

### Module Prequisite Courses

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Neuroscience</td>
<td>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: Calculus 1000A/B or 1500A/B, 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B, Applied Mathematics 1413. 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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Neurology</td>
<td></td>
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</tbody>
</table>

The program is designed to provide a strong foundation in neuroscience and to prepare students for graduate studies or professional careers in neuroscience or related fields.
Faculty of Social Science

Dean: Brian Timney
Associate Deans: Joan Finegan and Andrew Nelson
Assistant Dean: Margaret McGlynn

Social Science Academic Counselling
Social Science Centre 2105 SSC
Email: ssaco@uwo.ca; Website: www.counselling.ssc.uwo.ca
Recorded Message 519-661-2052
Telephone: 519-661-2011; Fax: 519-661-3384
twitter.com/ssaco_westernu
facebook.com/westernussaco

The Academic Counselling Office operates on a drop-in basis. Out-of-town visitors should call ahead to ensure that counselling will be available on a particular day. Appointments can be arranged.

Admission Requirements
Required
Six Grade 12U or M level courses including:
• Grade 12U English (ENG4U)

Notes: For many Social Science programs, including Management and Organizational Studies, Economics, Geography, Psychology and Sociology, a background in Mathematics is recommended or required. Students without Grade 12U Mathematics can upgrade their background by taking an appropriate background in Mathematics is recommended or required. Students without Grade 12U Mathematics can upgrade their background by taking an appropriate
Mathematics course at Western. Please review the program requirements and the descriptions for Mathematics courses carefully.

1. Two of Advanced Functions (MHF4U), Calculus and Vectors (MCV4U) or Math of Data Management (MDM4U) are required for admission to Management and Organizational Studies
2. Advanced Functions (MHF4U) and Calculus and Vectors (MCV4U) are necessary for all Economics Modules.

A unique program of its kind in Canada, DAN Management and Organizational Studies 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 and Organizational Studies will help you to develop valuable skills in accounting, finance, consumer behavior and marketing, public administration, operations management, human resource management, and strategic management. Learn how the social sciences inform our understanding of human behavior, society, and social interactions -- essential tools in today's global marketplace. The Degree provides a solid foundation for those interested in earning the CPA or CHRP professional designations after graduation.

Admission Requirements
Required
Six Grade 12U or M level courses including:
• Grade 12U English (ENG4U)
• Two of: Grade 12U 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.

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

Students must not apply into any of the DAN modules when they apply for admission to the University. After first year, students registered in DAN may apply to a BMOS Specialization (BMOS Four-Year Degree) if a 65% cumulative average is attained. After first year, students registered in DAN 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.
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,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 for students planning to pursue a CPA designation.); 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 Public Administration</td>
<td>5.0 first-year 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. 1.0 course numbered 1000-1999 from: Economics, Psychology or Sociology; 1.0 course numbered 1000-1999.</td>
</tr>
<tr>
<td>Honors Specialization in Commercial Aviation Management</td>
<td>3.0 principal courses: 1.5 courses from: 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, 1600A/B; Additional first-year courses: 1.0 course from: Economics 1021A/B and 1022A/B; 1.5 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 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>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; 1.0 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; 1.0 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, Geography, History, Political Science, Psychology, Sociology, Women's Studies.</td>
</tr>
<tr>
<td>Major in Finance for Management and Organizational Studies</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; 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.</td>
</tr>
</tbody>
</table>

*Students considering the Honors Specialization in Finance for MOS are required to complete Calculus 1000A/B prior to taking Economics 2222A/B.
Management and Organizational Studies continued

Major in Human Resource Management

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; 1.0 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.

Note: *Students interested in pursuing an Honors Specialization in Human Resource Management will be required to take Psychology 1000.

Major in Commercial Aviation Management

Completion of first-year requirements. 1.5 courses: 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, 1600A/B; 1.0 course from Economics 1021A/B and 1022A/B; 1.5 course numbered 1000-1999

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>
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<tbody>
<tr>
<td>Specialization in Accounting</td>
<td>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; 1.0 course numbered 1000-1999 from: Anthropology, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 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; 1.0 course numbered 1000-1999</td>
</tr>
<tr>
<td>Specialization in Consumer Behavior</td>
<td>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 from: Psychology or Sociology, 1.0 course numbered 1000-1999 from: Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology, Women’s Studies; 1.0 course numbered 1000-1999</td>
</tr>
<tr>
<td>Specialization in Finance for Management and Organizational Studies</td>
<td>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; 1.0 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 Human Resource Management</td>
<td>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; 1.0 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; 1.0 course numbered 1000-1999</td>
</tr>
<tr>
<td>Specialization in Public Administration</td>
<td>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; 1.0 course numbered 1000-1999 from: Economics, Psychology or Sociology; 1.0 course numbered 1000-1999</td>
</tr>
<tr>
<td>Specialization in Commercial Aviation Management</td>
<td>1.5 courses: 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, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; 1.5 full-courses or equivalent: numbered 1000-1999</td>
</tr>
</tbody>
</table>

AMERICAN STUDIES

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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
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</thead>
<tbody>
<tr>
<td>Honors Specialization in American Cultural 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 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.</td>
</tr>
<tr>
<td>Honors Specialization in Canadian-American Relations</td>
<td></td>
</tr>
<tr>
<td>Major in American Studies</td>
<td>Completion of first-year requirements, including American Studies 1020 and 1.0 course from Political Science 1020E, a first-year History, or a first-year English with a minimum mark of 60%.</td>
</tr>
<tr>
<td>Minor in American Studies</td>
<td></td>
</tr>
</tbody>
</table>

For up to date module, program and course offerings please see www.westerncalendar.uwo.ca 2015 First Year Calendar
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.

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<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Anthropology</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 either Anthropology 1025F/G and one of Anthropology 1026F/G or 1027A/B; or Anthropology 1020E plus 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in Anthropology</td>
<td>Completion of first-year requirements, including either Anthropology 1020E, or Anthropology 1025F/G and one of Anthropology 1026F/G or Anthropology 1027A/B, with a mark of at least 60% in each.</td>
</tr>
<tr>
<td>Major in Linguistic Anthropology</td>
<td>Completion of first-year requirements. Anthropology 1025F/G and 1027A/B with a mark of at least 60% in each course.</td>
</tr>
<tr>
<td>Major in Sociocultural Anthropology</td>
<td>Completion of first-year requirements including Anthropology 1025F/G and one of Anthropology 1026F/G or 1027A/B; or Anthropology 1020E with a mark of at least 60% in each course.</td>
</tr>
<tr>
<td>Major in Bioarchaeological Anthropology</td>
<td>Completion of first-year requirements including either Anthropology 1025F/G and 1026F/G or 1020E with a mark of at least 60% in each course.</td>
</tr>
<tr>
<td>Specialization in Anthropology</td>
<td>Completion of first-year requirements including Anthropology 1025F/G and one of Anthropology 1026F/G or 1027A/B; or Anthropology 1020E with a mark of at least 60% in each course.</td>
</tr>
<tr>
<td>Minor in Anthropology</td>
<td>Completion of first-year requirements, including any first-year Arts and Humanities or Social Science 1.0 or 0.5 essay course.</td>
</tr>
<tr>
<td>Minor in Refugee and Migrant Studies</td>
<td>Completion of first-year requirements, including any of Anthropology 1020E, 1025F/G, Geography 1100, 1400F/G, 1500F/G, Centre for Global Studies 1000E, Political Science 1020E or Sociology 1020, 1021E.</td>
</tr>
</tbody>
</table>

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 is required for the other modules in Economics.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Economics</td>
<td>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 at least 70% with no mark less than 60% in the following 2.5 courses: Economics 1021A/B and Economics 1022A/B, or Economics 1020; 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 (or Economics 1020), and Calculus 1000A/B or Calculus 1500A/B must be completed before admission to the module. Calculate 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>Honors Specialization in Economics, Politics and Philosophy</td>
<td>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 the following 2.5 courses: Economics 1021A/B and 1022A/B or Economics 1020; Political Science 1020E; and 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>Honors Specialization in Global Economics</td>
<td>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 at least 70% with no grades less than 60% in the following 1.5 courses: Economics 1021A/B and 1022A/B, or Economics 1020; and 0.5 course from Calculus 1000A/B or 1500A/B.</td>
</tr>
<tr>
<td>Major in Economics</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 or Economics 1020; and 0.5 course from: Calculus 1000A/B or 1500A/B.</td>
</tr>
<tr>
<td>Major in Financial Economics</td>
<td>Completion of first-year requirements including Economics 1021A/B and 1022A/B or 1020 with a grade of at least 60%. Students who fail to meet the 60% in Economics 1021A/B and 1022A/B or 1020 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>
</tbody>
</table>
### Economics

**Minor in Economics**
Completion of first-year requirements, including Economics 1021A/B and 1022A/B, or Economics 1020; 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.

**HBA/Economics 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 an Honors Specialization module offered by the Department of Economics.

### First Nations Studies

**www.firstnationsstudies.uwo.ca**

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 with no failures. Students must have an average of at least 70% in 3.0 principal courses, including First Nations 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**

**Minor 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.

### Geography

**www.geography.uwo.ca**

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% in 3.0 principal courses, including 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G; 2.0 additional courses, with no mark in these principal courses below 60%.

**Honors Specialization in Geography - BSc**
Completion of first-year requirements, including 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G (with Geography 1300A/B recommended) and 3.0 courses from the Faculty of Science, not including Astronomy 1011A/B, 1021, Biology 1225, 1229A/B, Chemistry 1027A/B, Computer Science 1011A/B, 1032A/B, 1033A/B, Earth Sciences 1086F/G, 1088F/G, 1089F/G, Mathematics 0110A/B, Physics 1021. Students must have an average of at least 70% in Geography and 2.0 courses from the Faculty of Science, with no mark in these principal courses below 60%.

**Honors Specialization in Geography and Commercial Aviation Management - BA**
Completion of first-year requirements with no failures, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, or 1500F/G, 0.5 course from: Computer Science 1025 A/B, 1026A/B, 1032A/B and 1.5 course numbered 1000-1999, with a mark of at least 60% in each Geography course and an average of at least 73%.

**Honors Specialization in Geographic Information Science - BA**
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 Geography 1100, 1300A/B, 1400F/G, or 1500F/G; plus 2.0 additional courses, with no mark in these principal courses below 60%.

**Honors Specialization in Geographic Information Science - BSc**
Completion of first-year requirements, including 1.0 course from Geography 1100, 1300A/B, 1400F/G, 1500F/G*, and 3.0 courses from the Faculty of Science, not including Astronomy 1011A/B, 1021, Biology 1225, 1229A/B, Chemistry 1027A/B, Computer Science 1011A/B, 1032A/B, 1033A/B, Earth Sciences 1086F/G, 1088F/G, Mathematics 0110A/B, Physics 1021. Students must have an average of at least 70% in Geography and 2.0 courses from the Faculty of Science, with no mark in these principal courses below 60%.

**Honors Specialization in Urban Development - BA**
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%: 1.0 course from: Geography 1100, 1300A/B, 1400F/G, or 1500F/G; 1.0 course from: Economics 1021A/B and 1022A/B, or Economics 1020; and 1.0 additional course. If 2100 level Economics courses are selected in the module, MCV4U or Mathematics 0110A/B is required for registration; if senior Sociology courses are selected, either Sociology 1020 or 1021E is required. Students are strongly recommended to include in their first year course selection 1.0 course from Category B and 1.0 from Category C in order to meet the breadth requirements for their degree.
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Physical Geography</td>
<td>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, Environmental Science 1021F/G, Biology 1001A, 1201A, 1002B, 1202B.</td>
</tr>
<tr>
<td>Specialization in Geography</td>
<td>Completion of first-year requirements including 1.0 course from: Geography 1100, 1300A/B, 1400F/G or 1500F/G, with a mark of at least 60% in each of these courses.</td>
</tr>
<tr>
<td>Major in Geography</td>
<td>Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G or 1500F/G, with a mark of at least 60% in each Geography course. Students should consult with the Department prior to admission. This module may not be combined with any other Geography module.</td>
</tr>
<tr>
<td>Minor in Geography</td>
<td>Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G or 1500F/G, with a mark of at least 60% in each Geography course.</td>
</tr>
<tr>
<td>Major in Geographic Information Sciences</td>
<td>Completion of first-year requirements including 1.0 course from: Geography 1100, 1300A/B, 1400F/G or 1500F/G, with a mark of at least 60% in each of these courses.</td>
</tr>
<tr>
<td>Major in Environment and Health</td>
<td>Completion of first-year requirements, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G or 1500F/G, with a mark of at least 60% in each Geography course.</td>
</tr>
<tr>
<td>Specialization in Geography and Commercial Aviation Management - BA</td>
<td>Completion of first-year requirements with no failures, including 1.0 course from: Geography 1100, 1300A/B, 1400F/G, or 1500F/G, 0.5 course from: Computer Science 1025A/B, 1026A/B, 1032A/B, 0.5 course from: Category B or C and 3.0 courses numbered 1000-1999.</td>
</tr>
<tr>
<td>Honors Specialization In Geography / Honors Business Administration Combined Degree Program</td>
<td>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 Geography.</td>
</tr>
<tr>
<td>Honors Specialization In Urban Development/ Honors Business Administration Combined Degree Program</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, 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.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<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, including 1.0 course from History 1201E, 1401E, 1403E, 1601E, 1801E, 1803E, 1805E, 1807 or 1810E and 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in History</td>
<td>Completion of first-year requirements, including 1.0 course from: History 1201E, 1401E, 1403E, 1601E, 1801E, 1803E, 1805E, 1807 or 1810E with a minimum mark of 60%.</td>
</tr>
<tr>
<td>Minor in History</td>
<td>Completion of first-year requirements, including 1.0 course from: History 1201E, 1401E, 1403E, 1601E, 1801E, 1803E, 1805E, 1807 or 1810E with a minimum mark of 60%.</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.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in International Relations</td>
<td>Students must have an average of at least 75% in 3.0 principal courses, including a minimum grade of 75% in each of Political Science 1020E and 1.0 course in History numbered 1000-1999, and a minimum grade of 60% in any other principal course. Enrolment in this module is limited.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Jewish Studies</td>
<td>Completion of first-year requirements, with a minimum mark of 60% in each course and no failures. (Modules are offered jointly by Huron, King's and Main Campus)</td>
</tr>
</tbody>
</table>
**POLITICAL SCIENCE**

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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<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 75% in 3.0 principal courses, including Political Science 1020E; plus 2.0 additional courses with no mark in these principal courses below 60%. 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.</td>
</tr>
<tr>
<td>Major 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>Minor in Political Science</td>
<td></td>
</tr>
<tr>
<td>Combined BA in Honors Specialization Political Science/JD Program</td>
<td>Students must: (i) have completed first-year University with an overall minimum average of 80% and obtained at least 80% in Political Science 1020E; (ii) have completed second year (first-year Honors Specialization Political Science) with an overall minimum average of 80% and obtained a minimum of 80% in Political Science 2230E; (iii) meet the minimum LSAT requirements established by the Faculty of Law; and (iv) be admitted to the Faculty of Law. Meeting the minimum requirements does not guarantee admission.</td>
</tr>
<tr>
<td>HBA/Political Science Combined Degree Program</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 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.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Specialization in Psychology - BA</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 the following Psychology and Mathematics courses, plus 1.0 additional course, with no mark in these principal courses below 60%: Psychology 1000; 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/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 Statistics 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.</td>
</tr>
<tr>
<td>Honors Specialization in Psychology - BSc</td>
<td>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; 1.0 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; 1.0 course from: Biology 1001A or 1201A and Biology 1020B or 1228B; 1.0 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; 1.0 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.</td>
</tr>
<tr>
<td>Honors Specialization in Developmental Cognitive Neuroscience – BA</td>
<td>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; 1.0 course from: Applied Mathematics 1201A/B, Calculus 1000A/B, 1301A/B, 1500A/B, 1501A/B, or the former 1201A/B, or Mathematics 0110A/B, 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B. If Mathematics 0110A/B is taken then either Statistics 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.</td>
</tr>
<tr>
<td>Honors Specialization in Animal Behavior - BSc</td>
<td>See Biology Department (Faculty of Science).</td>
</tr>
<tr>
<td>Honors Specialization in Psychology/ Honors Business Administration Combined Degree Program</td>
<td>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.</td>
</tr>
<tr>
<td>Honors Specialization in Neuroscience</td>
<td>The Honors Specialization in Neuroscience leads to a Bachelor of Science (BSc) degree offered by the Schulich School of Medicine &amp; Dentistry. See page 39.</td>
</tr>
</tbody>
</table>
Psychology continued

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major in Psychology</td>
<td>Completion of first-year requirements. 1.0 course from Psychology 1000 with a mark of at least 60%. Students must also complete: 1.0 course from: Calculus 1000A/B, 1301A/B, 1500A/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 Statistical Sciences 1024A/B is the recommended combination.</td>
</tr>
<tr>
<td>Minor in Psychology</td>
<td>Completion of first year, including Psychology 1000 with a mark of at least 60%.</td>
</tr>
</tbody>
</table>

SOCIOLoGY  www.sociology.uwo.ca  Social Science Centre 5306  519-661-3606

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>
</tr>
</thead>
<tbody>
<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 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%.</td>
</tr>
<tr>
<td>Honors Specialization in Criminology</td>
<td></td>
</tr>
<tr>
<td>Specialization in Sociology</td>
<td>Completion of first-year requirements, including Sociology 1020 or 1021E with a mark of at least 60%.</td>
</tr>
<tr>
<td>Major in Sociology</td>
<td>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%.</td>
</tr>
<tr>
<td>Major in Criminology</td>
<td></td>
</tr>
<tr>
<td>Major in the Sociology of Health and Aging</td>
<td></td>
</tr>
<tr>
<td>Minor in Sociology</td>
<td></td>
</tr>
<tr>
<td>Minor in Criminology</td>
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</tbody>
</table>

TRANSITIONAL JUSTICE AND POST-CONFLICT RECONSTRUCTION  tjcentre.uwo.ca  Social Science Centre 2040  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 with a mark of at least 60% including 1.0 essay course in Social Science or Arts and Humanities.</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 38.</td>
</tr>
</tbody>
</table>
The three affiliated university colleges—Brescia (Canada's 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 programs in Food and Nutrition
- 3-year and 4-year Honors BA (Human Ecology) programs in Family Studies
- Diploma in Dietetic Education and Practical Training
- Certificate in Community Development
- Master of Science in Foods and Nutrition

**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 Divinity
- Master of Arts, Theology

**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 Advocacy
- Certificate and Diploma in Childhood and the Justice System
- Certificate in Loss, Grief and Bereavement Studies

**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.

**Brescia University College**

**Established 1919**

- **1285 Western Road**
- **519-432-8353**
- **www.brescia.uwo.ca**

Principal: C. Hanycz
Dean: D. Rogers

**These Modules lead to 3-Year, 4-Year and 4-Year Honors BA, BSc(FN) 4-Year and Honors, BSc(HEc), BA(HEc) and BMOS**

<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in English Language and Literature</td>
<td>Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E plus 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Specialization in English Language and Literature</td>
<td>1.0 from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E with a mark of at least 60%. Students should consult with department prior to admission.</td>
</tr>
<tr>
<td>Major in English Language and Literature</td>
<td>1.0 from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E with a mark of at least 60%. Students will be eligible for an Honors BA with double major if they obtain 70% average in the courses of each major module with no mark less than 60% in each course.</td>
</tr>
<tr>
<td>MODULE</td>
<td>PREREQUISITE COURSES</td>
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<td>-----------------------------------------------------</td>
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</tr>
<tr>
<td>Minor in English Language and Literature</td>
<td>Completion of first-year requirements, including 1.0 from English 1020E or 1022E or 1024E or 1027E and 1028F/G or 1035E or 1036E with a mark of at least 60%. Students should consult with the department prior to admission.</td>
</tr>
<tr>
<td>Minor in General English</td>
<td></td>
</tr>
<tr>
<td>Minor in English for Teachers</td>
<td></td>
</tr>
<tr>
<td>DIMENSIONS OF LEADERSHIP</td>
<td>Students must have an average of at least 65% in 3.0 principal courses, including Dimensions of Leadership 1031 and 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.</td>
</tr>
<tr>
<td>Major in Dimensions of Leadership</td>
<td></td>
</tr>
<tr>
<td>FAMILY STUDIES</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Family Studies - BSc</td>
<td>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 1100A/B and 1208B or the former 1050; Foods and Nutrition 1030E or 1021.</td>
</tr>
<tr>
<td>(Human Ecology)</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Family Studies - BA</td>
<td>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.</td>
</tr>
<tr>
<td>(Human Ecology)</td>
<td>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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited.</td>
</tr>
<tr>
<td>Honors Specialization in Families and Communities -</td>
<td>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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited.</td>
</tr>
<tr>
<td>BA (Human Ecology)</td>
<td>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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited.</td>
</tr>
<tr>
<td>Honors Specialization in Nutrition and Families -</td>
<td>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.</td>
</tr>
<tr>
<td>BA (Human Ecology)</td>
<td>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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited.</td>
</tr>
<tr>
<td>Specialization in Family Studies - BSc</td>
<td>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 1302A/B or 1100A/B and 1208B or the former 1050; Foods and Nutrition 1030E or 1021.</td>
</tr>
<tr>
<td>(Human Ecology)</td>
<td>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 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>Specialization in Family Studies - BA</td>
<td>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 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>(Human Ecology)</td>
<td>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 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>Specialization in Nutrition and Families - BA</td>
<td>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.</td>
</tr>
<tr>
<td>(Human Ecology)</td>
<td>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 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>Major in Family Studies - BA</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>
</tr>
<tr>
<td>(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. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>Major in Nutrition and Families - BA</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. Psychology 1000 is needed for those students wishing to take Psychology 2410A/B or 3434E instead of Psychology 2041.</td>
</tr>
<tr>
<td>Minor in Family Studies (to be combined with any</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>
</tr>
<tr>
<td>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>
</tr>
<tr>
<td>FOODS AND NUTRITION</td>
<td>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, Biology 1290B, Foods and Nutrition 1030E; Business Administration 1220E, 0.5 course numbered 1000-1999.</td>
</tr>
<tr>
<td>Honors Specialization in Nutrition and Dietetics</td>
<td>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, Biology 1290B, Foods and Nutrition 1030E, Business Administration 1220E, 0.5 course numbered 1000-1999.</td>
</tr>
<tr>
<td>HBA/Nutrition and Dietetics Combined Degree Program</td>
<td>5.0 courses including 3.5 required courses: 3.5 courses: Biology 1290B, Business Administration 1220E, Chemistry 1301A/B, 1302A/B; Foods and Nutrition 1030E; 1.5 courses from: Humanities and Social Sciences.</td>
</tr>
<tr>
<td>Honors Specialization in Food Science and Technology</td>
<td>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, Biology 1290B; Food and Nutrition 1030E; Business Administration 1220E; Computer Science 1032A/B, Calculus 1000A/B or Mathematics 1225A/B, Physics 1028A/B.</td>
</tr>
<tr>
<td>MODULE</td>
<td>PREREQUISITE COURSES</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Honors Specialization in Nutrition and Families</td>
<td>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.</td>
</tr>
<tr>
<td>Major in Nutrition and Families</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>Specialization in Nutrition and Families</td>
<td>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.</td>
</tr>
<tr>
<td>Specialization in Foods and Nutrition</td>
<td>Students must have an average of at least 68% in the following 4.0 courses: Chemistry 1301A/B, 1302A/B, Biology 1290B, Foods and Nutrition 1030E; Business Administration 1220, 0.5 course numbered 1000-1999.</td>
</tr>
<tr>
<td>Minor in Foods and Nutrition</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 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>Minor in French for Food and Nutritional Sciences</td>
<td>Completion of first-year requirements, including French 1900E or 1910 with a mark of at least 60%, or permission of the Department.</td>
</tr>
<tr>
<td>FRENCH</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in French Language and Literature</td>
<td>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>Honors Specialization in French Linguistics and Literature</td>
<td>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>Honors Specialization in French Language and Linguistics</td>
<td>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 Studies</td>
<td>French 1900E or 1910 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Major in French for Teaching</td>
<td>French 1900E or 1910 with a mark of at least 60%.</td>
</tr>
<tr>
<td>Specialization in French Studies</td>
<td>French 1900E or 1910 with a mark of at least 60% or permission of the Department.</td>
</tr>
<tr>
<td>Minor in French</td>
<td>French 1900E or 1910 with a mark of at least 60% or permission of the Department.</td>
</tr>
<tr>
<td>Minor in Francophone Studies</td>
<td>French 1900E or 1910 with a mark of at least 60% or permission of the Department.</td>
</tr>
<tr>
<td>HEALTH SCIENCES</td>
<td></td>
</tr>
<tr>
<td>Major in Health Sciences</td>
<td>Students may apply to take a Major or Minor module in Health Sciences while enrolled at Brescia. Due to the limited enrollment 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 Faculty of Health Sciences. Please consult the Academic Counsellor at Brescia for further information.</td>
</tr>
<tr>
<td>Minor in Health Sciences</td>
<td>Completion of Health Sciences 1001A/B, Health Sciences 1002A/B, Sociology 1020 or 1021E, and Biology 1001A or 1201A and Biology 1002B or 1202B, with an average of at least 70% in each of the 3.0 courses, no principal course below 60% and no failures. (Combined module with School of Health Studies</td>
</tr>
<tr>
<td>Honors Specialization in Community Rural Health Development</td>
<td>Completion of first-year requirements, including 1.0 course from History 1201E, 1401E, 1403E, 1601E, 1701E, 1801E, 1803E or 1805E and 2.0 additional courses.</td>
</tr>
<tr>
<td>HISTORY</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in History</td>
<td>Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from History 1201E, 1401E, 1403E, 1601E, 1701E, 1801E, 1803E or 1805E and 2.0 additional courses, with no mark in these principal courses below 60%.</td>
</tr>
<tr>
<td>Major in History</td>
<td>Completion of first-year requirements, including 1.0 course from: History 1201E, 1401E, 1403E, 1601E, 1701E, 1801E, 1803E or 1805E with a minimum mark of 60%.</td>
</tr>
<tr>
<td>Specialization in History</td>
<td>Completion of first-year requirements, including 1.0 course in History at the 1000 level with a minimum mark of 60%.</td>
</tr>
<tr>
<td>Minor in History</td>
<td>Completion of first-year requirements, including History 1201E with a mark of at least 60%.</td>
</tr>
<tr>
<td>MANAGEMENT AND ORGANIZATIONAL STUDIES</td>
<td></td>
</tr>
<tr>
<td>Honors Specialization in Food Management</td>
<td>After first year, students may apply for admission. 5.0 first year courses: 1.0 Business Administration 1220E; 1.0 course from: Calculus 1000A/B, Calculus 1301A/B, 1501A/B; Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course numbered 1000-1999 from: Anthropology, Dimensions of Leadership, Geography, History, Political Science, Psychology, Sociology; 1.0 course numbered 1000-1999; 1.0 course: Foods and Nutrition 1021 or 1030E.</td>
</tr>
<tr>
<td></td>
<td>* MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.</td>
</tr>
</tbody>
</table>
### MODULE | PREREQUISITE COURSES
--- | ---
**For the following majors these common requirements apply:**
Major in Accounting
Major in Consumer Behavior
Major in Food Management

| Students may not apply to the BMOS Honors Double Major when they apply for admission to Brescia. In addition to meeting MOS admission requirements, students must successfully complete the admission requirements for a Major module in a discipline other than MOS. 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 following 3.0 principal courses: 1.0 course: Business Administration 1220E; 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/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.* |

### Major in Accounting
| 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.* |

### Major in Consumer Behavior
| 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. |

### Major in Food Management
| 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; 1.0 course: Foods and Nutrition 1021 or 1030E. |

### Specialization in Food Management
| Students may not apply to enter a BMOS Specialization when they apply for admission to the University. 5.0 first year courses: 1.0 course: Business Administration 1220E; 1.0 course from: Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B; 1.0 course numbered 1000-1999; 1.0 course numbered 1000-1999 from: Anthropology, Dimensions of Leadership, Geography, History, Political Science, Psychology, Sociology; 1.0 course: Foods and Nutrition 1021 or 1030E.

| *MOS 1021A/B and 1023A/B may be substituted for Business Administration 1220E for students transferring from other campuses.* |

**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
Minor in Political Science
Minor in Public Administration

| Completion of first-year requirements, including Political Science 1020E, 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 1.0 additional course, with no mark in these principal courses below 60%: 1.0 course in Psychology at the 1000 level; 1.0 course from: any Mathematics or Calculus course numbered 1000 or above; Statistical Sciences 1024A/B, Mathematics 0110A/B.

| If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. |

| Major in Psychology
Minor in Psychology

| Completion of first-year requirements, including 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: Mathematics 1228A/B and Statistical Sciences 1024A/B (recommended); Mathematics 1225A/B, 1228A/B, 1229A/B (Mathematics 1228A/B and 1229A/B preferred); Mathematics 0110A/B, Calculus 1000A/B, 1301A/B, 1501A/B, or Mathematics 1600A/B. If Mathematics 0110A/B is selected, then either Statistical Sciences 1024A/B or Mathematics 1228A/B must be taken. |

### RELIGIOUS STUDIES AND PHILOSOPHY

| Major in Philosophy

| 1.0 course from Philosophy 1100E, 1200, 1230A/B, 1250F/G, 1300E, 1350F/G or 1370A/B is recommended. |

| Minor in Philosophy

| Completion of first-year requirements. |

| Major in Religious Studies
Minor in Women and Christianity

| 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 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. |
# MODule prereQuiSiTe COurSeS

**Major in Spirituality and Community Leadership**

Completion of first-year requirements, including Religious Studies 1031E, Dimensions of Leadership 1031, and Sociology 1020, or permission of the Department.

## 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 Community Rural Health Development

Completion of Sociology 1020 or 1021E, Health Sciences 1000, and Biology 1222 or 1223, with an average of at least 70% in each of the 3.0 courses, no principal course below 60% and no failures.

### Honors Specialization in Families and Communities

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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited. Priority will be given to students already registered at Brescia.

### Honors Specialization in Sociology

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%.

### Honors Specialization in Community Development in a Global Context

Completion of first-year requirements with no failures. Students must have an average of at least 70% in 1.0 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. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of Year 3. Enrolment in this module is limited. Priority will be given to students already registered at Brescia.

### Honors Specialization in Crime and Communities

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%. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. 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

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

Completion of first-year requirements, including 1.0 Sociology courses at the 1000 level, with a mark of at least 60% in each course. To register in this module, students are required to submit a Community Development application form by April 15 before the beginning of the student’s third year. Enrolment in this module is limited. Priority will be given to students already registered at Brescia.
Modules Offered Leading to 3-Year, 4-Year, 4-Year Honors and BMOS Degrees

**China Studies**
- Minor in China Studies

**Chinese Studies**
- Minor in Chinese Studies

**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**
- 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
- Honors Specialization and Major in French Language and Linguistics
- Honors Specialization in French Linguistics and Literature
- Specialization, Major and Minor in French Studies
- Minor in French Language; and French and Francophone Literature

**Global Culture Studies**
- Honors Specialization, Specialization, Major, Minor in Global Culture Studies

**Global Development Studies**
- Honors Specialization, Specialization, Major, Minor in Global Development Studies

**Globalization Studies**
- Honors Specialization, Specialization, Major, Minor in Globalization

**History**
- Honors Specialization, Major, Specialization and Minor in History
- Minor in World History; Minor in the Atlantic World; and Minor in Studies in Imperialism

**Japan Studies**
- Minor in Japan Studies

**Japanese Studies**
- Minor in Japanese Studies

**Jewish Studies**
- Major and Minor in Jewish Studies

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

**Philosophy**
- Honors Specialization, Major, Specialization and Minor in Philosophy
- Honors Specialization and Specialization in Philosophy, Reasoning and Ethics
- 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 Science: Ideology and Identity
- Major and Minor in Political Science: 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 at [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca). Further information on Huron University College is also available at [www.huronuc.ca](http://www.huronuc.ca).
### 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**  
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**  
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 teachable subject. Philosophy 1150E or 1300E is highly recommended. Enrolment in this module is limited.

**Major in Catholic Studies for Teachers**  
An overall average of at least 75% on at least 5.0 courses including Religious Studies 1027E and a required first-year course for a declared second teachable subject. Philosophy 1300E or 1150E is highly recommended. Enrolment in this module is limited.

**Major in Catholic Studies Specialization in Catholic Studies**  
At least 0.5 course in Religious Studies with a mark of at least 60%. Religious Studies 1027E is recommended.

**Minor in Catholic Studies**  
At least 0.5 course in Religious Studies. Religious Studies 1027E is recommended.

**Minor in Catholic Studies for Teachers**  
Religious Studies 1027E is recommended.

### CHILDHOOD AND SOCIAL INSTITUTIONS

**Honors Specialization in Childhood and Social Institutions**  
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**  
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

**Minor in Disability Studies**  
Disability Studies 1010A/B, or the former Interdisciplinary Studies 1010A/B, with a minimum grade of 60%.

### ECONOMICS

**Honors Specialization in Economics**  
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, or Economics 1020; 0.5 from Mathematics 1225A/B, Calculus 1000A/B, or Calculus 1100A/B AND 0.5 from Mathematics 1229A/B, Calculus 1301A/B, 1501A/B, or Mathematics 1600A/B or the former Linear Algebra 1600A/B; OR the former Mathematics 030.

**Major in Economics**  
2.0 courses with an average of 70% and no grade less than 60% in either subject: Economics 1021A/B and 1022A/B, or Economics 1020; 0.5 from Mathematics 1225A/B, Calculus 1000A/B, or Calculus 1100A/B AND 0.5 from Mathematics 1229A/B, Calculus 1301A/B, 1501A/B, or Mathematics 1600A/B or the former Linear Algebra 1600A/B; OR the former Mathematics 030.

**Major in Finance**  
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, or Economics 1020; 0.5 from Mathematics 1225A/B, Calculus 1000A/B AND 0.5 from Mathematics 1229A/B, Calculus 1301A/B, 1501A/B, or Mathematics 1600A/B.

**Minor in Economics**  
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.)

**Minor in Finance**  
Economics 1021A/B and 1022A/B, with a mark of at least 60% in each*, Mathematics 0110A/B (or Grade 12U Advanced Functions and Introduction Calculus MCB4U, or equivalent); 0.5 from Mathematics 1225A/B, Calculus 1000A/B or 1100A/B, and 0.5 from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B or 1501A/B. *Students who fail to meet the 60% in Economics 1021A/B and 1022A/B, or Economics 1020 may be admitted to the Minor in Finance if they have a mark of at least 60% in each Economics 2150A/B and 2152A/B.
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization in Financial Economics</td>
<td>Economics 1021A/B and 1022A/B, or Economics 1020, with a minimum grade of 60% in each*; Mathematics 0110A/B, or Mhf4U plus (MCB4U or MCV4U); 0.5 course from Mathematics 1225A/B, Calculus 1000A/B, 1100A/B; and 0.5 course from Mathematics 1229A/B, 1600A/B, Calculus 1301A/B, 1501A/B. *Students who fail to meet the 60% requirement in each of Economics 1021A/B and 1022A/B (or 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 2152A/B, and the mathematics requirements noted above are met.</td>
</tr>
</tbody>
</table>

**HISTORY**

| Honors Specialization in History | Students must have an average of at least 70% in 3.0 principal courses, including History 1401E or 1403E or 1801E or 1901E, or any other 1000-1999 level history course, plus 2.0 additional courses, with no mark in these principal courses below 60%. |

| Major in History | History 1401E or 1403E or 1801E or 1901E, or any other History course at the 1000-1999 level, with a mark of at least 60%. |

**JEWISH STUDIES**

| Major in Jewish Studies | Completion of first-year requirements, with a minimum mark of 60% in each course and no failures. (Modules are offered jointly by Huron, King's and Main Campus) |

**MANAGEMENT AND ORGANIZATIONAL STUDIES (BMOS) HONORS SPECIALIZATION**

| Honors Specialization in Accounting | 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; 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: (MOS 1033A/B is highly recommended). |

| Honors Specialization in Finance and Administration | 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: Mathematics 1225A/B, Calculus 1000A/B or 1100A/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: History, Political Science, Psychology, Sociology, Philosophy (1000-1999). 1.0 course from: 1000-1999. |

| Honors Specialization in Global Commerce | 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 from: Business Administration 1220E; 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B or 1100A/B; 0.5 course from: Calculus 1301A/B, 1501A/B or Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B; 1.0 course: Political Science 1020E; 1.0 course from: 1000-1999. |

| Honors Specialization in Organizational and Human Resources | 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 from: Business Administration 1220E; 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B, 1100A/B; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Psychology 1000; 1.0 course from: Sociology 1020, 1021E; 1.0 course from: Economics 1021A/B and 1022A/B. |

Note: Enrolment in BMOS Honors Specialization is limited. Meeting 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 Specializations upon successful completion of first-year requirements.

**MANAGEMENT AND ORGANIZATIONAL STUDIES (BMOS) HONORS DOUBLE MAJOR**

| Major in Accounting | Students must have an average of at least 70% 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; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. Note: For the Major in Organization and Human Resources, Political Science 1020E needs to be part of the 5.0 first year courses. |

| Major in Global Commerce | Students must have an average of at least 70% and no grade less than 60% in the following 3.0 principal courses: 1.0 course: Business Administration 1220E; 0.5 course from: Mathematics 1225A/B, Calculus 1000A/B, 1100A/B; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. |

| Major in Management and Organizational Studies | Students must have an average of at least 70% 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; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. |

| Major in Human Resources | Students must have an average of at least 70% 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; 0.5 course from: Calculus 1301A/B, 1501A/B, Mathematics 1229A/B, 1600A/B; 1.0 course: Economics 1021A/B and 1022A/B. |

Note: Enrolment in BMOS Honors Double Major is limited. Meeting minimum requirements does not guarantee admission. The four-year BMOS Honors Double Major must include one of the above four Major modules and another Major module from a discipline other than BMOS. Students may not apply to BMOS Honors Double Major when they apply for admission to the University. Students may only apply for admission to BMOS Honors Double Major upon successful completion of first-year requirements.

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

| Specialization in Accounting | 1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Mathematics 1600A/B, Statistical Sciences 1024A/B; 1.0 course: Economics 1021A/B and 1022A/B; 2.0 courses: numbered 1000-1999**. |

Note: For the Major in Organization and Human Resources, Political Science 1020E needs to be part of the 5.0 first year courses.

Note: Enrolment in BMOS Honors Specialization is limited. Meeting 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 Specializations upon successful completion of first-year requirements.

Note: Enrolment in BMOS Honors Double Major is limited. Meeting minimum requirements does not guarantee admission. The four-year BMOS Honors Double Major must include one of the above four Major modules and another Major module from a discipline other than BMOS. Students may not apply to BMOS Honors Double Major when they apply for admission to the University. Students may only apply for admission to BMOS Honors Double Major upon successful completion of first-year requirements.

Note: Enrolment in BMOS Honors Specialization is limited. Meeting 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 Specializations upon successful completion of first-year requirements.
<table>
<thead>
<tr>
<th>MODULE</th>
<th>PREREQUISITE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization in Finance and Administration</td>
<td>1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Statistical Sciences 1024A/B*; 1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020; 1.0 course: 1000-1999**.</td>
</tr>
<tr>
<td>Specialization in Global Commerce</td>
<td>1.0 course: Business Administration 1220E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Statistical Sciences 1024A/B*; 1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020; 1.0 course: Political Science 1020E; 1.0 course: 1000-1999 (A/B or F/G)**.</td>
</tr>
<tr>
<td>Specialization in Organizational and Human Resources</td>
<td>1.0 course: Business Administration 1220E; 1.0 course: Psychology 1000; 1.0 course: Sociology 1020, 1021E; 1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Calculus 1000A/B, 1301A/B, 1501A/B, Statistical Sciences 1024A/B*; 1.0 course: 1000-1999 (A/B or F/G)**.</td>
</tr>
</tbody>
</table>

*Note: Students wishing to transfer to a BMOS Honors Degree must have the proper Mathematics prerequisites for advanced Economic courses.

**Note: MOS 1033A/B is strongly recommended.

MODERN LANGUAGES (Includes English, French)

| Honors Specialization in English Language and Literature | Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from: English 1020E or 1022E or 1024E or 1035E or 1036A/B or both of (English 1027F/G and 1028F/G) or 1901E plus 2.0 additional courses, with no mark in these principal courses below 60%. |
| Major in English Language and Literature | 1.0 course from: English 1020E or 1022E or 1024E or 1035E or 1036E or both of (English 1027F/G and 1028F/G) or 1901E, with a mark of at least 60%. Student will be eligible for an Honors BA with double major if they obtain an average of at least 70% average in the courses of each major module with no mark less than 60% in each course. No failures on options. |
| Specialization in English Language and Literature Minor in English Language and Literature Minor in English for Teachers Minor in General English Minor in Dramatic Literature | 1.0 course from: English 1020E or 1022E or 1024E or 1035E or 1036E or both of (English 1027F/G and 1028F/G) or 1901E, with a mark of at least 60%. Students should consult with the Department prior to admission. |
| Honors Specialization in French Language and Literature | 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%. |
| Major in French Language and Literature | French 1900E or 1910 with a mark of at least 60%. |
| Specialization in French Studies Minor in French Language and Literature | French 1900E or 1910 with a mark of at least 60% or permission of the Department of Modern Languages. |

PHILOSOPHY

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

POLITICAL SCIENCE

| Honors Specialization in Political Science | 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%. Enrollment in this module is limited. |
| Major in Political Science Minor in Political Science | Political Science 1020E with a mark of at least 60%. |

PSYCHOLOGY

| Honors Specialization in Psychology | Students must have an average of at least 75% in 3.0 principal courses, including Psychology 1000, Mathematics 1228A/B, Statistical Sciences 1024A/B, plus 1.0 additional course, with no mark in these principal courses below 60%. |
| Major in Psychology Specialization in Psychology | Psychology 1000 with a mark of at least 60%. Students are advised to complete Mathematics 1228A/B and Statistical Sciences 1024A/B in their first year. These courses must be completed before graduation. |
| Minor in Psychology | Psychology 1000 with a mark of at least 60%. |

RELGIOUS STUDIES

<p>| Honors Specialization in Religious Studies | 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%. |</p>
<table>
<thead>
<tr>
<th>Module</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
</table>
| Major in Religious Studies  
Specialization in Religious Studies  
Minor in Religious Studies | At least a 0.5 course in Religious Studies with a mark of at least 60%. |

| Social Justice and Peace Studies  
Honors Specialization in Social Justice and Peace Studies  
Major in Social Justice and Peace Studies  
Specialization in Social Justice and Peace Studies  
Minor in Social Justice and Peace Studies | 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; 1.0 course from: Childhood and Social Institutions 1025F/G, Economics 1021A/B, 1022A/B, 1020, First Nations Studies 1020E, Geography 1100, 1500F/G, 1400F/G, History 1401E, 1403E, 1601E, 1801E, 1901E, Philosophy 1150E, 1300E, 1360E, 1901E, Political Science 1020E, Psychology 1000, Religious Studies 1022A/B, 1023E, 1027E, Social Work 1021A/B, 1022A/B, Sociology 1020, 1021E; or Women’s Studies 1020E. |

| Sociology (Includes Criminology)  
Honors Specialization in Sociology  
Honors Specialization in Criminology  
Major in Sociology  
Major in Criminology  
Minor in Sociology  
Minor in Criminology | Students must have an average of at least 70% in 3.0 principal courses, including Sociology 1020 or 1021E, plus 2.0 additional courses, with no mark in these principal courses below 60%. |

| School of Social Work - Honors Specialization in Social Work | 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 and 1022A/B; 0.5 courses from: Writing 1020F/G, 1022F/G. For more information on admission requirements refer to the Academic Calendar. |

| Thanatology | Minimum average of 60% in 3.0 principal courses. |

| World Religions and Cultures  
Honors Specialization in World Religions and Cultures  
Major in World Religions and Cultures  
Specialization in World Religions and Cultures  
Minor in World Religions and Cultures  
Minor in Islamic Studies  
Major in Middle East Studies | 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).  
At least 0.5 course in Religious Studies with a mark of at least 60% (Religious Studies 1023E is recommended).  
At least 0.5 course in Religious Studies with a mark of at least 60% (Religious Studies 1023E is recommended).  
Religious Studies 1023E is recommended.  
At least 0.5 course in Religious Studies with a grade of at least 60%. Religious Studies 1023E is recommended.  
Completion of first-year requirements, with a minimum mark of 60% in 3.0 principal courses. |
Second-Level Entry Professional Programs

IVEY BUSINESS SCHOOL

Established 1922  ▶️ www.ivey.uwo.ca

Dean: R. Kennedy; Associate Dean: M. Vandenbosch
Faculty Director (Academic): M. Gillett
HBA Program Services Director: A. Cramp
Director, HBA Recruiting & Admissions: A. Bryson

HBA PROGRAM OFFICE
Ivey Business School
Telephone: 519-661-4111
Website: 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.

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.

Application Deadline - HBA
January 30, 2015 at 4:00 pm EST

Limited Enrolment Program
2014-2015
Number of applicants: 1193; 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. When applications are being assessed, an applicant’s extracurricular involvement is equally as important as academic performance. All applications are carefully reviewed and decisions are made on the basis of all data available and not solely on prior academic performance.

All applicants must meet the admission requirements to first year at Western. Students must have an offer from Western (or an Affiliated University College) in order to be considered for an Ivey AEO offer. 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 14, 2015 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:
- Enroll 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.
- Enroll 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.
- 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: Law, Engineering, Health Sciences, Medical Sciences, MIT, Nutrition and Dietetics, Arts and Humanities, Sciences, Kinesiology, Economics, Psychology, Huron Psychology, Political Science, Global Studies (Huron only), Geography, Music, 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 a business school in Australia, Austria, Belgium, Brazil, China, Czech Republic, Denmark, England, Finland, France, Germany, Hong Kong, Hungary, Italy, Korea, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Singapore, Spain, Sweden, Switzerland, Taiwan or Thailand.
Schulich School of Medicine & Dentistry  ▶  519-661-3330 ▶  www.schulich.uwo.ca/dentistry

Dean: M. Strong
Vice Dean: H. Sandhu

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

The Schulich School of Medicine & Dentistry provides a four-year program leading to the Doctor of Dental Surgery degree. The program ensures that graduates acquire the skills and knowledge to move confidently into general dental practice. Students are also well prepared in the scientific background required for continued professional education and intellectual growth.

Current Admission Requirements:
Applicants must be in the final year of or have successfully completed an undergraduate degree program leading to a four-year undergraduate degree at a recognized university. Applicants must successfully complete approved physiology, biochemistry, and organic chemistry courses. The Dental Aptitude Test is required. Schulich Dentistry requires an interview as part of the admissions process. Please see website: www.schulich.uwo.ca/dentistry.

Note: Up to four positions are available for international students. International students must satisfy Western’s admission requirements, including English language proficiency.

Special consideration will be given to applicants from the Indigenous Community. One position is set aside each year for competitive applicants with official documentation of Indigenous status or ancestral Indigenous origin.

Application Deadline
December 1 annually

Limited Enrolment Program
For entrance September 2014
Number of applicants: 585; Number of registrants: 54
Minimum admission average: 80% (best two years)

Degree Offered
▶ Doctor of Dental Surgery (DDS): 4-year

EDUCATION

Established 1974  ▶  John George Althouse Faculty of Education Building  ▶  519-661-3182 ▶  www.edu.uwo.ca

Dean: Vicki Schwean
Associate Dean Teacher Education (Undergraduate and Preservice Programs): Margaret McNay

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.

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.

Application Deadline
December 1st each year. If December 1 falls on a weekend please refer to www.edu.uwo.ca/programs/apply.html for the deadline date. On-line applications are available in mid-September each year from:
The Teacher Education Application Service
Ontario Universities Application Centre
Website: www.ouac.on.ca/TEAS
Tel: 519-823-1063

Degree Offered
▶ Bachelor of Education (BEd)

Graduate Degrees
▶ Master of Arts (MA)
▶ Master of Professional Education (MPEd)
▶ Doctor of Philosophy (PhD)
▶ Doctor of Education (EdD)

Continuing Teacher Education Program
▶ Additional Qualifications courses for teachers

Limited Enrolment Program
2014-2015*
Number of applicants: 2600
Number of registrants: 656
Minimum admission average: 70%
* In 2015, the number of registrants will be reduced to 334.
Admission Requirements

1. A degree from a recognized university.
2. Law School Admission Test Score (LSAT).

Application Deadline

November 1

Limited Enrolment Program

2014-2015
Number of applicants: 2,400
Number of registrants: 174
Admission average (Last 2): 83.6%

Degrees and Diploma Offered

- Juris Doctor (JD)
- Honors Business Administration/Juris Doctor (HBA/JD)
- Bachelor of Science (Computer Science)/Juris Doctor (BSc/JD)
- Bachelor of Engineering Science/Juris Doctor (BEng/JD)
- Bachelor of Arts (Kinesiology)/Juris Doctor (BA(Kin)/JD)
- Bachelor of Arts (Media Information and Technoculture)/Juris Doctor (BA(JD)
- Bachelor of Arts (Political Science)/Juris Doctor (BA(JD)
- 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)
- Diplôme de Français Juridique

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)

Areas of Concentration

- Business Law
- Intellectual Property, Information and Technology Law

Exchange Programs

- Australian National University; Canberra, Australia
- Case Western Reserve University; Cleveland, Ohio, USA
- EBS Law School; Wiesbaden, Germany
- ESADE, Universitat Ramon Llull; Barcelona, Spain
- NALSAR University of Law; Hyderabad, India
- National University of Singapore; Singapore
- Stockholm University; Stockholm, Sweden
- Universitat Mannheim, Germany
- University of Auckland; Auckland, New Zealand
- University of Bergen, Norway
- 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
- Washington and Lee University; Lexington, Virginia, USA
- Washington College of Law; American University; Washington, D.C., USA
Admissions Office
Health Sci Addition, H103
519-661-3744
E-mail: admissions.medicine@schulich.uwo.ca
Website: www.schulich.uwo.ca/admissions/medicine
OMSAS: www.ouac.on.ca/omsas

Admission Requirements (MD Program)
Programs of Study: Windsor and London

The Doctor of Medicine Program runs simultaneously from two locations: London, Ontario and Windsor, Ontario. Each year, a part of the admitted class will complete all of their academic studies through the Windsor program and graduate from Western. The Windsor program is a partnership between Western University, The University of Windsor, and the London and Windsor hospitals.

Enrolment is limited. Admission is highly competitive and possessing the minimum requirements does not ensure an interview or acceptance. Note that failure to be aware of the admission requirements does not constitute grounds for appeal. To be eligible to apply, students must meet the following requirements:

- Be a Canadian Citizen or Permanent Resident of Canada
- Have completed or currently be enrolled in a four-year degree program at a recognized university. The four-year degree must consist of 20 full or equivalent courses which must be completed by the end of the academic year (Sept-April) in which the application is being made.
- Within the degree as described above, the applicant must have completed at least two full academic years (taken September to April) consisting of 5.0 courses (equivalent to 30 credit hours).
- The minimum Grade Point Average (GPA) and course load must be met in EACH of two undergraduate years. Each year must contain at least 3 full-course equivalents whose published academic level is at or above the year of study. Academic transcripts must show clearly that applicants have met this course load requirement.
- Applicants must meet or exceed the minimums in their most recent writing of the MCAT (which must be no more than five years prior to the application deadline). All applicants must arrange for verified results of the revised Medical College Admissions Test (MCAT) to be submitted directly to the Ontario Medical School Application Service (OMSAS). MCAT test results will be accepted provided the test was written no more than five years prior to the October application deadline.
- Interviews will be conducted beginning in March. Applicants who satisfy the course load, the GPA, and the MCAT requirements (obtaining the minimum in each of the four sections of the MCAT), as determined by the Admissions Committee each year, will have their applications reviewed carefully and will receive consideration for an interview.
- Many factors contribute to the final determination of which applicants will be invited for an interview. Achieving the minimum GPA and MCAT scores does not guarantee an invitation to be interviewed.
- 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.
- Although careful assessment is made of the academic record throughout all years at university, the academic marks obtained during two undergraduate years will be used to formulate your grade point average (five full courses in each year (30 credit hours), September - April, will be considered).
- All applicants must arrange for verified results of the revised Medical College Admissions Test (MCAT) to be submitted directly to the Ontario Medical School Application Service (OMSAS). MCAT test results will be accepted provided the test was written no more than five years prior to the October application deadline.

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
2013-2014
Number of applicants: 2615
Number of registrants: 171 (133 in London, 38 in Windsor)
Minimum admission GPA: 3.70 (for 2013-14 cycle, subject to change)

Degrees Offered
- Doctor of Medicine (MD)
- Doctor of Medicine (MD) with Engineering
- 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 more than 70 Master’s and 50 Doctoral programs, 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.

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**DEGREES OFFERED**

**New Transdisciplinary Program** - open to students from all backgrounds

- Professional Communication and Management Graduate Diploma

**New Interdisciplinary Program**


**Faculty of Arts and Humanities**

- Ancient Philosophy M.A.
- Classics M.A. | Ph.D.
- Comparative Literature M.A. | Ph.D.
- English M.A. | Ph.D.
- Film Studies M.A.
- French Studies M.A. | Ph.D.
- Hispanic Studies M.A. | Ph.D.
- Linguistics M.A.
- Philosophy M.A. | Ph.D.
- Visual Arts M.A. | M.F.A. | Ph.D.
- Women’s Studies and Feminist Research M.A. | Ph.D.

**Ivey Business School**

- Business E.M.B.A. | M.B.A. | Ph.D.
- Management M.Sc.

**Faculty of Education**

- Education M.A. | Ph.D.
- Professional Education Ed.D. | M.P.Ed.

**Faculty of Engineering**

- Biomedical Engineering M.E.Sc. | Ph.D.
- Chemical and Biochemical Engineering M.E.Sc. | M.Eng. | Ph.D.
- Civil and Environmental Engineering M.E.Sc. | M.Eng. | Ph.D.
- Design and Manufacturing Engineering M.Eng.
- Electrical and Computer Engineering M.E.Sc. | M.Eng. | Ph.D.
- Nuclear Engineering M.Eng.

**Faculty of Health Sciences**

- Communication Sciences and Disorders M.Cl.Sc.
- Health and Rehabilitation Sciences M.P.T. / Ph.D. | M.Sc. | M.Sc.(OT) / Ph.D. | M.Cl.Sc. / Ph.D. | Ph.D.
- Kinesiology M.A. | M.Sc. | Ph.D.
- Nursing M.N. | M.Sc.N. | Ph.D.
- Occupational Therapy M.Sc.(OT)
- Physical Therapy M.Cl.Sc. | M.P.T.

For up to date module, program and course offerings please see www.westerncalendar.uwo.ca
Faculty of Information and Media Studies
Health Information Science M.H.I.S. | Ph.D.
Journalism and Communication M.M.J.C. (Pending Quality Council Approval)
Library & Information Science M.L.I.S. | Ph.D.
Media Studies M.A. | Ph.D.

Faculty of Law
Law LL.M. | Ph.D.
Law, Studies in M.S.L.

Schulich School of Medicine & Dentistry
Anatomy and Cell Biology M.Sc. (Clinical) | M.Sc. (Research) | Ph.D.
Biochemistry M.Sc. | Ph.D.
Clinical Medical Biophysics M.Sc. / M.Sc. (Course Based) | M.Sc. (Research) | Ph.D.
Epidemiology and Biostatistics M.Sc. | Ph.D.
Family Medicine M.C.I.Sc. | Ph.D.
Medical Biophysics M.Sc. | M.Sc. (Course Based) | M.Sc. (Research) | Ph.D.
Microbiology and Immunology M.Sc. | M.Sc. (Accelerated) | Ph.D.
Neuroscience M.Sc. | M.Sc. | Ph.D.
Orthodontics M.C.I.D.
Pathologists’ Assistant M.C.I.Sc.
Pathology M.Sc. | Ph.D.
Physiology and Pharmacology M.Sc. | Ph.D.
Public Health M.P.H.
Surgery M.Sc.

Don Wright Faculty of Music
Community Music Leadership Graduate Diploma
Music D.M.A. | M.A. Music Theory | M.A. Musicology | M.Mus. | Ph.D.
Popular Music and Culture M.A.

Faculty of Science
Applied Mathematics M.Sc. | Ph.D.
Astronomy M.Sc. | Ph.D.
Biology M.Sc. | Ph.D.
Chemistry M.Sc. | Ph.D.
Computer Science M.Sc. | Ph.D.
Environment and Sustainability M.E.S.
Geology M.Sc. | M.Sc. (Course Based) | Ph.D.
Geophysics M.Sc. | M.Sc. (Course Based) | Ph.D.
Mathematics M.Sc. | Ph.D.
Physics M.Sc. | Ph.D.
Statistics M.Sc. | Ph.D.

Faculty of Social Science
American Studies M.A.
Anthropology M.A. | Ph.D.
Economics M.A. | Ph.D.
Financial Economics M.F.E.
Geography M.A. | M.Sc. | Ph.D.
History M.A. | Ph.D.
Political Science M.A. | Ph.D.
Psychology M.Sc. | Ph.D.
Public Administration M.P.A.
Sociology M.A. | Ph.D.
Theory and Criticism M.A. | Ph.D.

Brescia University College
Foods and Nutrition M.Sc.F.N.

Huron University College
Theology M.A.

King’s University College
Social Work M.S.W.

Collaborative Programs
Biostatistics
Developmental Biology
Engineering in Medicine
Environment and Sustainability
Migration and Ethnic Relations
Molecular Imaging
Musculoskeletal Health Research
Planetary Science
Scientific Computing
Transitional Justice and Post-Conflict Reconstruction
Affiliated University College Courses

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

Main Campus Course Residency Requirements

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 1.0 Human Ecology course, at an Affiliated University College.
2. Continuing Studies Certificate/Diploma programs which require courses that are available only at the Affiliated University Colleges: e.g., Thanatology.
3. In September, you may ask the Dean of your Faculty for special permission that grants you an exception to this regulation.

Equivalent Courses

The following courses are regarded as equivalent for prerequisite standing for senior courses or programs.
- Anthropology 1020E or 1025F/G and 1026F/G
- Biology 1001A, 1201A
- Biology 1002B, 1202B
- Calculus 1000A/B, 1100A/B, 1500A/B
- English 1020E, 1022E, 1035E
- French 1900E, 1910
- Geography 1100 or any two of 1300A/B, 1400F/G
- German 1030 or 1030W/X; and 2200 or 2200W/X
- Sociology 1020, 1021E
- Spanish 1030 or 1030W/X; and 2200 or 2200W/X

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

Course Numbering

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-0999</td>
<td>Pre-University level Introductory courses*</td>
</tr>
<tr>
<td>1000-1999</td>
<td>Year 1 courses</td>
</tr>
<tr>
<td>2000-4999</td>
<td>Senior-level Undergraduate Courses</td>
</tr>
</tbody>
</table>

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.

Glossary

Prerequisite
A course that must be successfully completed prior to registration for credit in the desired course.

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/Z 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

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

Breadth Requirements

** CATEGORY A **

Social Science
Anthropology, Economics, Dimensions of Leadership, First Nations Studies, Geography, History, International Relations, Management

and Organizational Studies, Political Science, Psychology, Sociology, Women's Studies.

Interdisciplinary and Multidisciplinary
American Studies, Childhood and Social Institutions, Dance, Education, Family Studies, Health Sciences, Interdisciplinary Studies, Centre for Global Studies, Kinesiology, Linguistics, Media and the Public Interest, Media, Information and Technoculture, Nursing, Rehabilitation Sciences, Social Justice and Peace Studies, Social Science

Various
Business Administration, Foods and Nutrition, Human Ecology, Law, Music, Social Work, Thanatology

** CATEGORY B **

Arts and Humanities
Classical Studies, Comparative Literature and Culture, English Language and Literature, Film Studies, Italian Studies, Philosophy, Religious Studies, Speech, Theological Studies, Visual Arts History, Visual Arts Studio, 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, 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, Pathology, Pathology and Toxicology, Pharmacology, Physiology

Science

Various
Communications Sciences and Disorders

** Writing courses restricted to English as a Second Language students (e.g., Writing 0011F/G, 0012F/G, 0002F/G, 1021F/G, 1022F/G) do not qualify as Category B courses.

See www.westerncalendar.uwo.ca for more information on this and other policies.
**ACTUARIAL SCIENCE (S)**

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 (SS)**

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, labourers, immigrants, Indigenous peoples, and others, have grappled with the conflicting definition of what it means to be “American.”
2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

**ANTHROPOLOGY (SS)**

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, 1026F/G.
3 lecture hours, 1.0 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): 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 helps 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, and the domestication of plants and animals, and the rise of civilization and the state.

Antirequisite(s): 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, morphology, syntax and semantics. This course is a prerequisite for subsequent linguistics courses in the Department of Anthropology and/or the Linguistics program.

Antirequisite(s): Linguistics 2288A/B.
3 lecture hours, 0.5 course. (Main)

**APPLIED MATHEMATICS (S)**

1201A/B - Calculus and Probability with Biological Applications
Applications of integration, integration using mathematical software packages. Scaling and allometry. Basic probability theory. Fundamentals of linear algebra: vectors, matrices, matrix algebra. Differences 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, 1100A/B, 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, 0.5 course (Main)
For students in Engineering only.

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): Calculus 1000A/B, 1100A/B, 1301A/B, 1500A/B, 1501A/B, Mathematics 1225A/B.
Prerequisite(s): One or more of Ontario Secondary School MHF4U, MCV4U, or Mathematics 0110A/B.
3 lecture hours, 1 tutorial hour, 1.0 course. (Main)
Applied Mathematics 1413 is a suitable prerequisite for any course which lists Calculus 1000A/B plus Calculus 1501A/B.
For students in Engineering only.

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 1500A/B or Applied Mathematics 1413.
2 lecture hours, 2 computer lab hours, 0.5 course. (Main)

**ARABIC (A)**

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.
4.0 hours, 1.0 course. (Huron, Main)
Note: Students who have successfully completed Grade 12U Arabic or equivalent cannot take this course for credit.

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 (A)**

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 (S)**

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)

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)

**BIOLOGY (S)**

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 programme at Brescia University College.
2 lecture hours, 3 laboratory/tutorial hours, 1.0 course. (Brescia)

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.

Antirequisite(s): Biology 1201A, Biology 1225, or the former Biology 1222, 1223
Prerequisites(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. 0.5 course.  

Note: The combination of Biology 1001A and 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.

1002B - Biology for Science II

The principles of biology taught using an integrative, question-based approach. This course is primarily intended for students enrolled in the Faculty of Science. Topics include enzyme structure/function, membrane structure/function, bioenergetics, photosynthesis, respiration, molecular genetics. 

Antirequisites(s): Biology 1202B, Biology 1225, or the former Biology 1222, 1223.

Prerequisites(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. 0.5 course. 

Note: The combination of Biology 1001A and 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.

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, behaviour, 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).

Antirequisites(s): Biology 1001A, Biology 1225, or the former Biology 1222, 1223.

Prerequisites(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. 

Note: The combination of Biology 1201A and 1202B (with the 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.

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 1001A).

Antirequisites(s): Biology 1002B, Biology 1225, or the former Biology 1222, 1223.

Prerequisites(s): Grade 12U (SB14U) Biology or Grade 11U (SB13UA) Biology and permission of the Department.

2 lecture hours, 3 laboratory/tutorial hours. 0.5 course. 

Note: The combination of Biology 1201A and 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.

1225 - An Introduction to the Biology of Organisms

A study of the whole organism with emphasis on organization, growth, development, integration, reproduction and heredity.

Antirequisites(s): Biology 1001A, 1002B, 1201A, 1202B, the former Biology 1222, 1223. 

3 lecture hours, 1.0 course.  

Note: 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.

1229A/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.

Antirequisites(s): Biology 1001A, 1002B, 1201A, 1202B.

3 lecture hours, 0.5 course.  

1290B - Biology and Microorganisms

The fundamental principles of biology with emphasis on cell functions 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.

Antirequisites(s): Grade 12U (SB14U) Biology. 

2 lecture hours, 1 tutorial hour, 0.5 course. 

Note: May not be taken for credit by students registered in any modules offered by either the Faculty of Science or the Schulich School of Medicine & Dentistry.

BUSINESS ADMINISTRATION (B)

1220E - Introduction to Business

Business 1220E, offered by the Ivy 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 Ivy’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 Ivy’s unique learning experience.

Antirequisites(s): Business Administration 2295F/G, 2299E, the former Business Administration 1220, the former Business Administration 2299. 

3 lecture hours, 1.0 course. 

(Crescia, Huron, King’s, Main)

CHEMISTRY (S)

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.

Antirequisites(s): Grade 12U Chemistry. 

Prerequisites(s): High school Chemistry at the advanced level.

2 lecture hours, 3 laboratory/tutorial hours, 1.0 course. 

(Crescia)

1024A/B - Chemistry for Engineers

This course provides a basic understanding of the following topics: gas laws; chemical equilibrium; acid-base equilibria; thermodynamics and thermochemistry; chemical kinetics; electrochemistry. Restricted to students in Engineering and Geophysics programs.

Antirequisites(s): Chemistry 1302A/B, the former Chemistry 1100A/B, 1200B, 1050. 

Prerequisites(s): Grade 12U (SC4U) Chemistry. 

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. 

(Crescia)

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.

Antirequisites(s): Chemistry 1301A/B, 1302A/B, the
former Chemistry 1100A/B, 1200B.
2 lecture hours, 1 laboratory/tutorial/demonstration hour. 0.5 course (Main)

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.

Prerequisite(s): Chemistry 1024A/B or the former Chemistry 1100A/B, 1050.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

1302A/B - Discovering Chemical Energies
An examination of how the fundamentals of energetics influence chemical processes. Topics include: gases, thermodynamics and thermochemistry, chemical equilibria, solubility, weak acids and bases, electrochemistry, and chemical kinetics.

Prerequisite(s): Chemistry 1024A/B, or the former Chemistry 1050.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

CHILDLHOOD AND SOCIAL INSTITUTIONS

1025F/G - Childhood and Social Institutions
An overview of the study of childhood in contemporary humanistic and social scientific disciplines. The course focuses on the concept of childhood as it is socially, historically, and culturally constructed. Emphasis is given to understanding children's perspectives, the discursive and structural position of childhood in modern culture and social institutions.

Prerequisite(s): The former Childhood and Social Institutions 1020.

3 lecture hours, 0.5 course. (King's)

CHINESE

1150 - Beginners' Chinese 1
An introduction to oral and written standard Chinese for students with no previous knowledge of the language and no previous exposure to Chinese culture. Students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 2251.

Prerequisite(s): Chinese 1151, 1152A/B, 1153A/B, Grade 12U Chinese or equivalent.

3 lecture hours. 1.0 course. (Main)

1152A/B - Chinese 1
An introduction to oral and written standard Chinese for students with no previous knowledge of the language. In the sequence of Chinese 1152A/B and 1153A/B, students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 1153A/B.

Prerequisite(s): Chinese 1150, 1151; Grade 12U Chinese or equivalent.

4 lecture hours, 1.0 course. (Huron)

1153A/B - Chinese 1
An introduction to oral and written standard Chinese for students with no previous knowledge of the language. In the sequence of Chinese 1152A/B and 1153A/B, students will learn approximately 400 characters, 40 sentence structures, basic grammar, and will be able to write short passages and conduct brief, informal dialogues. The pinyin romanization system will be introduced. Prepares students for progression to Chinese 2251.

Prerequisite(s): Chinese 1150, 1151, the former Chinese 003, 004, 005A/B, 006A/B, Grade 12U Chinese or equivalent.

4 lecture hours, 0.5 course. (Huron)

1650F/G - Perspectives on China
An examination of China as it emerges in the era of globalization. Contents include territory, people, society, language, science and technology, development and sustainability. Analysis of dominant and diverse realities will provide an essential basis for an appreciation of continuity and change in China. Students will learn how to access major sources of information and critically to evaluate perspectives and debates. Taught in English.

3 hours, 0.5 course. (Huron)

CLASSICAL STUDIES (A)

1000 - Classical Civilization
An introduction to the ancient world, with emphasis on the cultural and social life and achievements of Greece and Rome. Among the topics to be considered are: magic, religion, philosophy, literature, archaeology, architecture, art, the structure of society and the position of women, slavery, everyday life, law, sport, warfare, medicine.

3 lecture hours, 1.0 course. (Main)

COMPARATIVE LITERATURE AND CULTURE (A)

1020 - From Homer to Picasso: Western Culture Across the Ages
A multi-media overview of the major writers, artists, thinkers, and composers that have shaped Western culture from ancient times to the twenty-first century. Figures studied include Homer, Dante, Michelangelo, Cervantes, Goethe, Dostoevsky, Picasso, Kafka, Borges.

3 hours, 1.0 course. (Main)

1023 - Sex and Culture
Drawing on literature, philosophy, art, and cinema, this introductory course will explore fundamental questions about human sexuality (e.g. What is the origin of sex?). Major works of the erotic imagination will be studied in relation to the cultures represented in them.

3 lecture hours, 1.0 course. (Main)

1040 - Ideas and Apps that Changed the World
Explore the great ideas that have revolutionized our culture. Discover their origin and application in our public and private lives. Refine your understanding of words such as literature, academia, encyclopedia, unconscious, reconciliation, platonic love, beautiful, parchement, paradox, utopia, progress, alienation, social networks, redemption through textual and visual material.

3 hours, 1.0 course. (Main)

COMPUTER SCIENCE (S)

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.

Prerequisite(s): Computer Science 2210A/B.

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 an object-oriented language (Java). Intended for students with significant programming experience in at least one high-level block-structured or object-oriented language.

Prerequisite(s): Computer Science 1026A/B, Engineering Science 1036A/B.

3 lecture hours, 0.5 course. (Main)

1026A/B - Computer Science Fundamentals II
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 an object-oriented language (Java). Intended for students with little or no background in programming.

Prerequisite(s): Computer Science 1025A/B, Engineering Science 1036A/B.

3 lecture hours, 2 laboratory/tutorial hours, 0.5 course. (Main)

1027A/B - Computer Science Fundamentals II
A continuation for both Computer Science 1025A/B and Computer Science 1026A/B. Data organization and manipulation; abstract data types and their implementations in an object-oriented setting (Java); lists, stacks, queues, trees; pointers; recursion; file handling and storage.

Prerequisite(s): Computer Science 1037A/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.

Prerequisite(s): Management and Organizational...
COURSES OFFERED

Studies 1033A/B.
3 lecture hours, 0.5 course. (Main)

1033A/B - Multimedia and Communication I
This course explores the use of different types of media (e.g., text, images, sound, animation) to convey ideas and facilitate interaction. 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 and the former Computer Science 036a/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.
Prerequisite(s): Computer Science 1027A/B.
Antirequisite(s): Computer Science 1026A/B, 1026B/C. 3 lecture hours, 2 laboratory/tutorial hour, 0.5 course. (Main)

DIGITAL HUMANITIES (A)

1011A/B - Programming my Digital Life
This is the 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)

DIMENSIONS OF LEADERSHIP

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): 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 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): Dimensions of Leadership 1000A/B, 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)

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 neurodiversity 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 (S)

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, 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, 1081A/B.
Only available online. 0.5 course. (Main)
Purchase of Rock and Mineral Kit required.

1081A/B - Resources, Environment, and Sustainability in a Material Society
This course introduces students to the relationship between humans and their geological environment. 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, 1070A/B
2 lecture hours, 2 laboratory hours, 0.5 course. (Main)

1083F/G - Life on Planet Earth
3 lecture hours, 1 tutorial hour, 0.5 course. (Main)

1086F/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.
The equivalent of 3 lecture hours per week. Offered only online (see Western Distance Studies); 0.5 course. (Main)

1088F/G - A Foundation for Medical and Forensic Geology
Practical applications of the Earth Sciences to human welfare. Aspects of origin, natural concentration, and biological intake of earth materials are considered and the significance of these substances to human health is discussed. Use of earth materials in surgery, treatment of disease and of Earth Science techniques to solve criminal cases are covered.
3 lecture hours, 0.5 course. (Main)

1089F/G - Earth, Art and Culture
An examination of Earth materials used in the arts 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 jewellery; earth materials in wine and cuisine, and modern technology.
3 lecture hours, 0.5 course. (Main)

ECONOMICS (SS)

1020 - Introduction to Economics
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; national income; aggregate supply and aggregate demand; inflation, unemployment and interest rates; money and monetary institutions; balance of payments; and exchange rates.
3 lecture hours, 1.0 course. (Brescia, Huron, King’s)

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, 0.5 course. (Brescia, Huron, King’s, Main)

1022A/B - Principles of Macroeconomics
National income; aggregate supply and aggregate demand; inflation, unemployment and interest rates; money and monetary institutions; economic growth; balance of payments; and exchange rates.
Antirequisite(s): Economics 1020.
Pre-or Corequisite(s): Economics 2121A/B.
Students are strongly advised to take Economics 2121A/B before taking Economics 2122A/B.
2 lecture hours, 1 tutorial hour, 0.5 course. (Brescia, Huron, King’s, Main)

ENGINEERING SCIENCE (E)

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, 1026A/B.
3 lecture hours, 2 laboratory hours, 0.5 course. (Main)

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 full year course. (Main)

1150 - Engineering Summer Co-op
Provides Engineering undergraduates with a co-operative education placement providing practical professional learning experience. Students are supervised by a practicing engineer and are required to submit performance evaluations and to write a final report on the work performed.
Prerequisite(s): Completion of first year of the Engineering program, 65% average and a solid academic record, full-time course load directly before/after placement period. Non-credit. (Main)

ENGLISH (A)

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 English (or equivalent).
3 lecture hours, 1.0 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, 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, 1.0 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, 1035E.
Prerequisite(s): 85% or better in Grade 12U English or permission of the Department.
3 hours, 1.0 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, 1028F/G, 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, 1.0 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.
Antirequisite(s): English 1024E, 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.
Antirequisite(s): English 1024E, 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.
Antirequisite(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.
Antirequisite(s): English 1024E, 1027F/G, 1028F/G.
Prerequisite(s): 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 contexts.
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, 1.0 course. There may be additional costs associated with field trips. (King's)

ENVIRONMENTAL SCIENCE (S)

1021F/G - Environmental Issues
The science underlying environmental issues including climate change, waste management, endangered species and spaces, air and water quality, and ecosystem health, is presented and discussed from a variety of perspectives.
Prerequisite(s): Priority will be given to students in their first year at Western.
3 lecture hours, 0.5 course. (Main, Huron)

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.
Antirequisite(s): Family Studies 1020
3 lecture hours, 0.5 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)

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.
Antirequisite(s): Family Studies 1010A/B
3 lecture hours, 1.0 course. (Brescia)

FILM STUDIES (A)

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
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.

Antirequisite(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.

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.

Antirequisite(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 behaviour, 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 (A)

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 or the former French 1101, Ontario Grade 11 French (Core, Extended or Immersion) or equivalent.

Prerequisite(s): 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 tutorial/laboratory hours, 1.0 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): Ontario Grade 11 French (Core, Extended or Immersion) or equivalent, French 1002 or permission of the Department of French Studies based on French Placement Test.

3 or 4 tutorial hours, 1.0 course. (Brescia, Huron, King’s, Main)

Note: 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.

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 1002.

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 or French 1003B 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.

Antirequisite(s): Grade 12U French, French 1010 or permission of the Trois-Pistoles Immersion School.

3 lecture/tutorial hours, 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.

Antirequisite(s): French 1102A/B or permission of the Trois-Pistoles Immersion School.

3 lecture/tutorial hours, 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 Language and Literature
This is the basic first-year course in French, providing training in language and literary studies.

Antirequisite(s): French 1910.

Prerequisite(s): Ontario Grade 12 French (Core, Extended or Immersion) or equivalent, or French 1010 or permission of the Department of French Studies.

4 lecture/laboratory hours, 1.0 course. (Brescia, Huron, King’s, Main)

Note: 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.

GEOPHYSICS (SS)

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, 1400F/G.

3 lecture hours, 1.0 course. (Brescia, King’s, Main)

1300A/B - Physical Geography
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, 2131A/B.

- **1400F/G - How Humans Interact with the World**
  - This course introduces students to the central problems, concepts, and methodologies 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**
  - This course introduces students to the central problems, concepts, and methodologies 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)

**GERMAN (A)**

- **1030 - German for Beginners**
  - An introduction to oral and written modern German for students with little or no previous knowledge of the language. Develop your communicative skills while learning about the cultures of the German-speaking countries.
  - **Antirequisite(s):** Grade 12U German or German 1030W/X or 1036.
  - 4 hours, 1.0 course. (Main)

**Antirequisite(s):** Grade 12U German or Grade 6 Hebrew.

**3 hours, 0.5 course. (Huron)**

**Antirequisite(s):** Grade 12U German or Grade 6 Hebrew.

**3 hours, 1.0 course. (Main)**

**3 lecture hours, 1 tutorial hour, 0.5 course. (Main)**

**GRETRIAN (A)**

- **1000 - Introductory Ancient Greek**
  - 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, 1.0 course. (Main)

**Greek (A)**

- **1001A/B - Personal Determinants of Health**
  - This course focuses on health and wellness while emphasizing critical analysis of the impacts of European colonialism on modern international divisions.
  - **Antirequisite(s):** Centre for Global Studies 1000E.
  - 3 hours, 0.5 course. (Huron)

- **1022F/G - Introduction to Globalization**
  - This course offers an interdisciplinary introduction to the dominant material and cultural trends under the conditions of economic globalization. Key topics are labour in the global economy, the globalization of the capitalist mode of production, transnational resource flows, responses to inequality and resistance.
  - **Antirequisite(s):** Centre for Global Studies 1000E.
  - 3 hours, 0.5 course. (Huron)

**HINDI (A)**

- **1010 - Hindi 1**
  - Introduction to oral and written Hindi for students with little or no previous knowledge of the language. Prepares students for direct progression to Hindi 2.
  - **Antirequisite(s):** OAC Hindi, or the former International and Comparative Studies 009.
  - 4 hours, 1.0 course. (Huron)

**1030 - Hindi 2**

- 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.
  - 4 hours, 1.0 course. (Main)

**HISTORY (SS)**

- **0014 - History of Canada and the United States**
  - A survey of the political and social highlights of North American society from 1680 to the present. Only for students registered in the Preliminary Year program.
  - **Antirequisite(s):** Grade 12U (or equivalent) History.
  - 3 hours, 1.0 course. (Brescia)

**1201E - Canada: A Survey**

- Examine Canada’s 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 2207E/G.
  - 3 hours, 1.0 course. (Brescia, Huron, King’s)

**1203E - Canada’s External Relations, 1860-1990**

- A study of the most important aspects of Canada’s diplomatic, commercial and missionary relations with the international community. Besides probing Canada’s relations with the Commonwealth and the United States, the course will include analyses of Canada’s relations with international organizations and with Europe, Asia, Africa, and Latin America.
  - 3 hours, 1.0 course. (Huron)

**Hindi (A)**

- **1010 - Hindi 1**
  - Introduction to oral and written Hindi for students with little or no previous knowledge of the language. Prepares students for direct progression to Hindi 2.
  - **Antirequisite(s):** Grade 12 Hebrew, or equivalent level of secondary study.
  - 4 hours, 1.0 course. (Huron)

**1040A/B - Introduction to Biblical Hebrew**

- 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); the former Hebrew 003a/b.
  - 4 hours, 0.5 course. (Huron)

**1041A/B - Introduction to Biblical Hebrew II**

- 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); the former Hebrew 004a/b.
  - **Prerequisite(s):** Hebrew 1040A/B, the former Hebrew 003a/b, or permission of the Instructor.
  - 4 hours, 0.5 course. (Huron)
COURSES OFFERED

1401E - Modern Europe, 1715 to the Present: Conflict and Transformation
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. 3 hours, 1.0 course. (Brescia, Huron, King's, Main)

1403E - Totalitarianism
A survey of the totalitarian phenomenon in history with emphasis on twentieth-century totalitarian systems. The course will examine the similarities and differences of Nazism, Communists, and Italian Fascists, both in theory and in practice and with respect to foreign policy as well as domestic affairs. Antirequisite(s): History 2145A/B, 2147A/B 3 hours, 1.0 course. (Brescia, King's)

1601E - Survey of East Asian History
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. 2 lecture hours, 1 tutorial hour, 1.0 course. (Huron, King's, Main)

1801E - Major Issues in World History
Designed to provide a broad historical background and to develop analytical skills, this course examines the major themes and ideas underlying the development of modern societies. Among areas of discussion will be the historical significance of migration patterns, cultures in both the east and the west. 3 hours, 1.0 course. (Huron, King's)

1803E - Introduction to the History of Business and Commerce
Examines the emergence of modern business techniques and structures in Europe from the late Middle Ages to the Industrial Revolution, and the further development of these techniques and structures in Canada. 2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1805E - Science, Technology and Global History
A survey of global history with a focus on mathematics, science, technology, medicine and environment. 3 lecture hours, 1.0 course. (Main)

1807 - The History of Business
This course examines the history of business and capitalism from the late Middle Ages to the present day. Particular attention will be paid to the history of credit, banking, the stock market, the corporation, and globalization. Antirequisite(s): History 1803E 2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1810E - Wars that Changed the World
This course examines four transformational wars in the history of the world in detail, both in lectures and in small discussion groups that will also focus on the development of foundational analytical and writing skills. Topics include the implications and effects of war for civilians, trade, popular culture and technology. 2 lecture hours, 1 seminar hour, 1.0 course. (Main)

1812F/G - Revolutions in World History
This course examines major revolutions and ‘turning points’ that changed history. Topics include the Renaissance and Reformation, the Scientific Revolution, the Industrial Revolution, and the ‘Sexual Revolution’ of the 1960s. Political revolutions to be studied include the American and French Revolutions, and 20th century revolutions in China, Russia and Iran. 3.0 hours, 0.5 course. (King's)

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. 3.0 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, 1.0 course. There may be additional costs associated with field trips. (King's)

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): Enrolment in Preliminary Year at Brescia University College. 1.5 hours, No Credit. (Brescia)

1000F/G - Introduction 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)

1015F/G - Interdisciplinary Perspectives
An interdisciplinary seminar focusing on a current-issue or 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. 3 hours, 0.5 course. (Brescia)

1021E - 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, research, writing, and oral expression. 1.0 course. (Huron)

ITALIAN (A)

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. 4 hours, 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. 8 hours, one semester, 1.0 course. (Main)

JAPANESE (A)

1036 - Japanese for Beginners
An intensive 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 students for progression to Japanese 2260. 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, 1051A/B, 1052A/B. 4 hours, 1.0 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. Prepares students for progression to Japanese 2250. Antirequisite(s): Japanese 1036, 1051A/B, 1052A/B. 4 hours, 1.0 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

1051A/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 students for progression to Japanese 1052A/B. Antirequisite(s): Japanese 1036, 1050. 4 hours, 0.5 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

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 students for progression to Japanese 2250. Antirequisite(s): Japanese 1036, 1050. 4 hours, 0.5 course. (Huron)

Those students with Grade 12U Japanese must consult the Department before registering for this course.

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
diveperspectives. Taught in English.
3 hours, 0.5 course. (Huron)

**KINESIOLOGY (H)**

**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)

**1088A/B - Introduction to Sport Psychology**
An introduction to a wide variety of skills and methods that are available to coaches and athletes to enhance participation, performance and enjoyment in a sporting or physical activity. The course will focus on how individual motivation and behaviour are affected and which skills and methods are used during coaching intervention. 3 lecture hours, 3 laboratory hours biweekly, 1 tutorial hour, 0.5 course. (Main)

**KOREAN (A)**

**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. Prepares students directly 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. 4 hours, 1.0 course. (Main)

**LATIN (A)**

**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, 1.0 course. (Main)

**LINGUISTICS**

**1028A/B - Linguistics: Applications and 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 and 2806A/B, Spanish 3303A/B, the former French 2800 or permission of Linguistics program. 3 lecture hours, 0.5 course. (Main)

**MANAGEMENT AND ORGANIZATIONAL STUDIES (SS)**

**1020A/B - Introduction to Management and Organizational Studies**
A multidisciplinary introduction to Management and Organizational Studies within the Faculty of Social Science.
Prerequisite(s): Enrolment in the BMOS program. 2 lecture hours, 1 tutorial hour, 0.5 course. (Brescia, Huron, King’s)

**1021A/B - Introduction to Management and Organizational Studies I**
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 or Music Administrative Studies (MAS) on Main Campus. 3 lecture hours, 0.5 course. (Brescia, 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 Management module of BMOS. 3 lecture hours, 0.5 course. (Main)

**1023A/B - Introduction to Management and Organizational Studies II**
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): Enrolment in BMOS or Music Administrative Studies (MAS) on Main Campus. 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 literate 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)

**MATHEMATICS (S)**

**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)

**0110A/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 1100A/B, the former 1100A/B, 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, the former Mathematics 2155A/B.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 1600A/B, or the former Linear Algebra 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, probability; 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): Applied Mathematics 1201A/B or the former Calculus 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, 1501A/B.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 0110A/B, Calculus 1100A/B, the former 1100A/B, 1500A/B. 3 lecture hours, 0.5 course. (Brescia, Huron, King’s, Main)

**1228A/B - Methods of Finite Mathematics**
Permutations and combinations; probability theory. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Science modules.
Antirequisite(s): Mathematics 2124A/B, 2155F/G, the former Mathematics 2155A/B, Statistical Sciences 2035, 2141A/B, 2857A/B, the former Statistical Sciences 2657A.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 0110A/B, Calculus 1100A/B, the former 1100A/B, 1500A/B. 3 lecture hours, 0.5 course. (Brescia, Huron, King’s, Main)

**1229A/B - Methods of Matrix Algebra**
Matrix algebra including vector 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.
Antirequisite(s): Applied Mathematics 1411A/B, 2811B, Mathematics 1600A/B, 2120A/B, 2155F/G, 2211A/B, the former Mathematics 2155A/B, the former Linear Algebra 1600A/B.
Prerequisite(s): One or more of Ontario Secondary School MCF3M, MCR3U, or equivalent. 3 lecture hours, 0.5 course. (Brescia, Huron, King’s, Main)
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, 2811B, the former Linear Algebra 1600A/B.
Prerequisite(s): One or more of Ontario Secondary School MCV4U, Mathematics 1229A/B, Calculus 1000A/B or 1500A/B, the former Calculus 1100A/B, Calculus 1000A/B or 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 AND TECHNOCULTURE (IMS)
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 1021F/G and/or MIT 1022F/G, the former MIT 1200F/G, 1500F/G and/or 1700F/G.
2 lecture hours, 1 tutorial hour, 1.0 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, 1500F/G and/or 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, 1500F/G and/or 1700F/G.
2 lecture hours, 1 tutorial hour, 0.5 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, governance, 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 faerie.
Antirequisite(s): Medieval Studies 1022 or the former Medieval Studies 1020E
3 hours, 0.5 course. (Main)

MUSIC (MU)
0601A - 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 develop a critical and receptive attitude towards 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, 0.5 course. (Main)
May be available for credit in BA (Music) programs with permission of the Dean. Open to non-music students.

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 and 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 1102A/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.) 1.0 course. (Main)

1170A/B - Music in Global Contexts I
A survey of various music cultures of the world, including First Nations musics. This course aims to broaden the musical and socio-cultural perspectives of students as they explore musical systems, ideas, and aesthetics of other cultures. 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 (GIM) 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 (GIM) 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

For up to date module, program and course offerings please see www.westerncalendar.uwo.ca
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 or permission of the Department.
3 hours, 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 hours, 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 degree program in Music.
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 - Introduction to Historical Keyboard: Repertoire, Technique and 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)

NURSING (H)

1060A/B: Foundational 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, image of nursing, roles of nurses in the interprofessional team, and the framework for Registered Nursing practice in Ontario are explored.
Prerequisite(s): Nursing 1120, with a grade of 65% or greater
Registration in year 1 of the Western-Fanshawe Collaborative BScN Program.
3 lecture hours, 0.5 credit 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 relational practice as the basis for health promotion in nursing. Nurses’ responsibility for health promotion of self, colleagues, and clients is addressed in a variety of contexts.
Prerequisite(s): Registration in year 1 of the Western-Fanshawe Collaborative BScN Program
2 lecture hours, 0.5 credit course. (Main)

1080A/B: Holistic Health Assessment I
Provides opportunities for students to learn about the contextual influences of the determinants of health, family and community on one’s health. The relevance of an individual’s life experiences and stage of growth and development on health achievement will be explored across the lifespan. Health assessments will be conducted holistically with consideration of physical, psychosocial, cultural, and spiritual dimensions to wellbeing.
Prerequisite(s): Nursing 1140, with a grade of 65% or greater
Registration in year 1 of the Western-Fanshawe Collaborative BScN program
2 lecture hours, 2 lab/seminar hours, 1 tutorial hour, 0.5 credit course. Western Campus only. (Main)

1101W - Introduction to Health and Illness
This course provides an introduction to the nursing profession, health, illness and health promotion. These concepts are considered from the perspectives of individuals, families and communities. Students will have opportunity to learn about the nursing process, basic assessment skills, and ways in which nursing practice can support those with long-term health challenges.
Prerequisite(s): Registration in the Compressed Time Frame BScN Program.
7 hours lecture per week for 8 weeks. 1.0 course. (Main)

1103W - Introduction to Communication in Health Care
This course focuses on the development of effective and caring interpersonal communication skills. Awareness of self as an individual and in a relationship is explored through critical review of the literature, theories and experiences, critical reflection and thoughtful, confident dialogue. Learners will explore contextual and cultural realities, cultural sensitivity and cultural competence in healthcare.
Prerequisite(s): Registration in the Compressed Time Frame BScN Program.
7 hours/week for 8 weeks. 1.0 course. (Main)

1105Y - Introduction to Professional Nursing Practice
This course focuses on concepts and nursing practice skills that will assist students in understanding the role of the nurse, including the nature of professional caring relationships. Students are prepared to engage in basic assessment and care of adult clients experiencing chronic health challenges.
Prerequisite(s): The former Nursing 1102W.
Registration in the Compressed Time Frame BScN Program.
Corequisite(s): Nursing 1101W, Nursing 1103W.
8 weeks seminar/laboratory – 4 hours/week, 0.5 course. (Main)

1106Y - Professional Nursing Practice I
This course offers students the opportunity to
COURSES OFFERED

apply concepts and professional practice skills acquired in Nursing 1105Y in an agency practice setting. Students will engage in the provision of holistic nursing care to clients with chronic health challenges.

**Antirequisite(s):** The former Nursing 1102W.

**Prerequisites:** Registration in the Compressed Time Frame BSCN Program; a passing grade in Nursing 1100Y

**Corequisites:** Nursing 1101W, Nursing 1103W. 32 hrs/week x 4 weeks, 0.5 course. (Main)

1160A/B: Foundational Concepts of Professional Nursing II

Building on part I, this course enables students to begin to develop the thinking processes and clinical judgment required for professional nursing practice from a strengths-based perspective. Students will begin to develop their personal philosophy of nursing practice.

**Antirequisite(s):** Nursing 1120, with a grade of 65% or greater

**Prerequisites:** Nursing 1060A/B, with a grade of 65% or greater

3 lecture hours, 0.5 credit course. (Main)

1170A/B: Health Promotion and Caring for Self, Colleagues and Clients II

This interactive course building upon Health Promotion and Caring for Self, Colleagues and Clients I, enables the student to continue to further develop an understanding of caring and relational practice as the basis for health promotion in nursing. Using a variety of theories, concepts and conceptual frameworks, the student will acquire an enhanced perspective of how individual values, beliefs, perceptions and experiences impact relationships with our selves, colleagues and clients.

**Antirequisite(s):** Nursing 1130, with a grade of 65% or greater

**Prerequisites:** Nursing 1070A/B, with a grade of 65% or greater

3 lecture hours, 0.5 credit course. (Main)

1180A/B: Holistic Health Assessment II

This course involves the application of previous learning to the holistic assessment of individuals focusing on concepts that support health across the lifespan. These include, but are not limited to areas such as oxygenation, circulation, mobility, elimination, cognition and perception, with a focus on how to recognize and interpret data collected from clients.

**Antirequisite(s):** Nursing 1140, with a grade of 65% or greater

**Prerequisites:** Nursing 1080A/B, with a grade of 65% or greater

2 lecture hours, 2 lab/seminar hours, 1 tutorial hour, 0.5 credit course. Western Campus only. (Main)

**PERSIAN (A)**

1030 - Persian (Farsi) for Beginners

Introduction of oral and written Persian for students with little or no previous knowledge of the language. Develop your communicative skills while learning about the cultures of the Persian-speaking countries.

**Antirequisite(s):** Grade 12U Persian (Farsi) 4 hours, 1.0 course. (Main)

Note: Students who have successfully completed Grade 12U Persian or equivalent cannot take this course for credit.

1050E - 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.

**Antirequisite(s):** Philosophy 1100E, 1200, 1300E

**Prerequisites:** Registration restricted to Scholar's Elective students.

3 lecture hours, 1 tutorial hour biweekly, 1.0 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.

**Antirequisite(s):** Philosophy 1000E, 1022E, 1100E, 1250F/G, 1300E, 1350F/G.

2 lecture hours, 1 tutorial hour, 1.0 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.

**Antirequisite(s):** Philosophy 1000E, 1022E, 1100E, 1250F/G, 1300E, 1350F/G.

2 lecture hours, 1 tutorial hour, 1.0 course. (Main)

1030A/B - Understanding Science: How Science Relates to the Natural and Social World

This non-essay course introduces conceptual issues about science. What distinguishes science from non-science? Are there limits to what science can or should explain? What does science tell us about reality? What is the relationship between science and religion? What is the role and value of science in a democratic society?

3 hours, 0.5 course. (Main)

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.

**Antirequisite(s):** Philosophy 1000E, 1250F/G, 1300E, 1350F/G.

3 lecture hours, 1 course. (Huron, King's, Main)

1130F/G - Big Ideas

Apparently simple conceptions sometimes especially capture our imagination. Examples: Descartes’s “I think, therefore I am,” McClean’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, 1.0 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.

**Antirequisite(s):** Philosophy 1000E, Philosophy 1200A/B

2 lecture hours, 1 tutorial hour, 1.0 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.

**Antirequisite(s):** Philosophy 1000E, 1200.

2 lecture hours, 1 tutorial hour, 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, 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 - Introduction to 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

3 hours, 1.0 course. (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)
1350F/G - 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, 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 am I? What is love? 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)

1362E - What is Philosophy?
What is philosophy? What is it to be a philosopher? Students will experience philosophy by doing it through a reading of texts from different traditions in the history of philosophy and by reflecting on philosophy's engagement with skepticism and other modes of understanding in the fine arts, science, and religion.
3 hours, 1.0 course. (King’s)

1363 - Being Human: Philosophical Perspectives
This course explores different philosophical perspectives on what it means to be human. Our focus will be on the importance of such cultural activities as language, art, religion, the media, technology in the construction of our sense of self and our relationships to other human beings, nature and the world.
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 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. (Huron)

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, Dali) that have shaped the course of Western thought and our contemporary world.
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, 1.0 course. There may be additional costs associated with field trips. (King’s)

PHYSICS (S)

0010 - Introduction to Physics
An introduction to the concepts and theories of physics. Topics covered include the laws of dynamics 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 Preliminary 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 1028A/B, 1029A/B, 1301A/B, 1302A/B, 1401A/B, 1402A/B, 1501A/B, 1502A/B, the former Physics 1020, 1024, 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, electric properties of molecules and principles of microscopy.
Prerequisite(s): One of the following: Grade 12U Advanced Functions (MHF4U), Mathematics 0110A/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, 1302A/B, 1402A/B, 1502A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): One of Physics 1028A/B, 1301A/B, 1401A/B or 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, 1028A/B, 1301A/B, 1502A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): One of Grade 1301A/B or 1401A/B or 1501A/B, or a minimum mark of 70% in Physics 1028A/B.
3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

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).

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, 1028A/B, 1402A/B, 1502A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): One of Physics 1301A/B or 1401A/B or 1501A/B, or a minimum mark of 70% in Physics 1028A/B.
3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

Note: The department recommends that students also take a concurrent course that includes Calculus. This course, together with Physics 1301A/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).

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, 1028A/B, 1301A/B, 1501A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): Grade 12U Calculus and Vectors (MCV4U) or Mathematics 0110A/B.
3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. Note: Registration is restricted to students in the Faculty of Engineering. (Main)

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, 1029A/B, 1302A/B, 1502A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): Physics 1401A/B or permission of the Department.
3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. Note: Registration is restricted to students in the Faculty of Engineering. (Main)

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, 1028A/B, 1301A/B, 1401A/B, the former Physics 1020, 1024, 1026.
Prerequisite(s): Grade 12U Physics (SPH4U); Grade 12U Calculus and Vectors (MCV4U) or Mathematics 0110A/B.
Corequisite(s): Calculus 1000A/B or 1100A/B or 1500A/B or Applied Mathematics 1413.
3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)
Note: This course, together with Physics 1502A/B, is a suitable prerequisite for all modules in the Faculty of Science, for all modules offered by the basic Medical Science departments, and for professional schools having a Physics requirement.

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, 1029A/B, 1302A/B, 1402A/B, the former Physics 1020, 1024, 1026.

**Prerequisite(s):** One of Physics 1501A/B (preferred) or Physics 1301A/B or 1401A/B, or a minimum mark of 80% in Physics 1028A/B; Calculus 1000A/B or 1100A/B or 1500A/B.

**Corequisite(s):** Calculus 1501A/B (preferred) or Calculus 1301A/B, or Applied Mathematics 1413.

3 lecture hours, 3 laboratory/tutorial hours, 0.5 course. (Main)

**Note:** This course, together with Physics 1501A/B, is a suitable prerequisite for all modules in the Faculty of Science, for modules offered by the basic medical science departments and for professional schools having a Physics requirement.

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**PHYSIOLOGY (M)**

**1020 - Human Physiology**

A survey course outlining the principles of human/mammalian physiology; general properties of the living cell and the internal environment; neural, muscular, cardiovascular, respiratory, gastrointestinal, renal and endocrine systems; metabolism, reproduction and homeostasis.

**Antirequisite(s):** Physiology 1021, 2130, 3120.

**Prerequisite(s):** Grade 12U (SB04U) 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)

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**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 1021, 2130, 3120.

**Prerequisite(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)

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**POLISH (A)**

**1030 - Polish for Beginners**

A beginning course with concentration on conversational skill and reading of literary material. 4 hours, 1.0 course. (Main)

Those students with Grade 12U Polish must consult the Department before registering for this course.

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**POLITICAL SCIENCE (SS)**

**1020E - Introduction to Political Science**

An introduction to the study of politics. The course focuses on ideas (including politics, power, democracy, justice, freedom), ideologies (including liberalism, conservatism, socialism, feminism), institutions (including the nation-state, constitutions, legislatures, executives, the judiciary), political mobilization (participation, elections, parties, interest groups), and research skills, emphasizing Canadian, comparative, and international examples.

3 hours, 1.0 course. (Brescia, Huron, King’s, Main)

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**PORTUGUESE (A)**

**1030 - Portuguese for Beginners**

An introduction to understanding, speaking, reading, and writing Portuguese, with emphasis on oral skills. Intended for students with little or no previous knowledge of Portuguese. Prepares students directly for Portuguese 2200. Note that students who have successfully completed Grade 12U Portuguese or equivalent cannot take this course for credit.

**Antirequisite(s):** Grade 12U Portuguese. 4 hours, 1.0 course. (Main)

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**PSYCHOLOGY (SS)**

**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 1100E, the former Psychology 1200.

3 lecture hours, 1.0 course. (Brescia, Huron, King’s, Main)

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**1001E - Laboratory Upgrade**

This course is designed to provide students who have a credit in Psychology 1000 or equivalent 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):** Psychology 1100E.

Prerequisite(s): At least 70% in Psychology 1000 and a 70% average in the best 5.0 courses taken to fulfill first-year requirements. 1.0 hour per week, no credit. (Huron)

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**1100E - Method in 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.

2 lecture hours, 1 laboratory hour, 1.0 course. (Huron)

Note: Normally, a prerequisite for senior courses at Huron College.

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**RELIGIOUS STUDIES**

**0011 - Contemporary Religious Quests**

An introduction to Religious Studies based on autobiographies 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 1031E.

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. (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 Shirto; in the Second Term, we examine Judaism, Christianity and Islam.

**Antirequisite(s):** Religious Studies 2130, 2203F/G.

3 hours, 1.0 course. (King’s)

**1025E - Foundations of the Religious Response**

An examination of the development of the religious phenomenon from primitive man up to the major world religious experiences.

**Antirequisite(s):** All 1020 level Religious Studies courses except Religious Studies 1029.

3 hours, 1.0 course. (Brescia)

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**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):** The former Religious Studies 010E and 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 1028F/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)

1032A/B - Spirituality for the New Millennium
This course considers the contemporary interest in spirituality as a means of fulfillment in an age of uncertainty and change. It examines traditional and non-traditional spiritualities and several current trends, including spirituality and ecology, in the workplace, in the healing professions and in movements for social transformation. 3 hours, 0.5 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. 3 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)

SCHOLARS ELECTIVES

1020Y - Introduction to University Research
Individual reading and research under faculty mentor supervision on a topic mutually agreed. 1 hour every second week, 0.5 course. (Main) Restricted to Scholar’s Electives Students. 1100F/G - First Year Scholar’s Elective Seminar Course
This course will examine a theme of academic and/or public importance that is determined each year. **Antirequisite(s):** Scholars Electives 1020Y

Prerequisite(s): Restricted to first-year Scholar’s Electives Students
2 hours per week, 0.5 course. (Main)

SOCIAL JUSTICE AND PEACE STUDIES

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 1025F/G or 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 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)

1025A/B - Society and You
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):** Sociology 1021E, 1025A/B, 1026F/G or 1027A/B.

2 lecture hours, 1 tutorial hour, 1.0 course. (Brescia, Huron, King’s, Main)

1027A/B - Life is not Always Fair
This introductory sociology course 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. **Antirequisite(s):** Sociology 1020 or 1021E.

2 lecture hours, 1 tutorial hour, 0.5 course. (Main)

1050A/B - An Introduction 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 how diversity impacts on community, as well as how to become diversity-competent.

3 lecture hours, 0.5 course. (Brescia)

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.

SPANISH (A)

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 1030W/X.

4 hours, 1.0 course. (Brescia, King’s, Main)

Note: Students who have successfully completed Grade 12U Spanish or equivalent cannot take this course for credit.

1030W/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 2200W/X.

**Antirequisite(s):** Grade 12U Spanish, Spanish 1030.

Prerequisite(s): Permission of the Department.

8 hours, 1 semester, 1.0 course. (Main)
**STATISTICAL SCIENCES (S)**

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 consideration of study design, numerical and graphical data summaries, probability, sampling variability, confidence intervals and hypothesis tests.

Antirequisite(s): Statistical Sciences 2037A/B.
3 lecture hours, 0.5 lab hours (1-hour lab every other week), 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 2037A/B.
Prerequisite(s): Grade 12U Mathematics or Mathematics 0110A/B or 1129A/B.
Offered in two formats: 3 lecture hours, or weekly online lectures and 2 in-class lab hours; 0.5 course. (Huron, King's, Main)

**THEOLOGICAL STUDIES**

1020E - Introduction to Theology
An examination of selected themes in the Christian tradition, such as approaches to the Bible, Christian practice, missiology, the formulation of doctrine, the use of philosophy and iconographic expression. These will be considered in relation to Christianity in a variety of historical and cultural contexts, and in its contemporary global setting.

Antirequisite(s): Religious Studies 1027E
3 hours, 1.0 course. (Huron)

**VISUAL ARTS HISTORY (A)**

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 technology in art.

Antirequisite(s): The former VAH 1053F/G
2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1043A/B - Art, Architecture, Fashion and Design
This introductory course serves as a starting point to study the foundations of art history. With examples stretching from the Middle Ages to the present day, and from the sweatshop to the catwalk, this introductory course looks at the intersections of art, interior design and fashion.

2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1044A/B - Art, Media and Popular Culture
This introductory course serves as a starting point to study the foundations of art history. Examining the uses of art in popular culture and media through the ages, this course explores the circulation and power of artworks and cultural icons in historical and contemporary contexts.

Antirequisite(s): The former VAH 1052F/G
2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1045A/B - Collecting Art and Culture
This introductory course serves as a starting point to study the foundations of art history. It focuses on historical and contemporary practices of collecting art and cultural objects and introduces key principles of museum and curatorial studies.

Antirequisite(s): The former VAH 1050F/G
2 lecture hours and 1 tutorial hour, 0.5 course. (Main)

1051F/G - Revivals in Art and Culture
An introduction to the revivals of art styles and practices in historical and contemporary contexts, including film, design and fashion.

3 lecture hours, 0.5 course. (Main)

1054F/G - Introduction to Visual Culture
A theme-based introduction to the complex and engaging world of historical and contemporary visual culture as it relates to the history of art.

3 lecture hours, 0.5 course. (Main)

**VISUAL ARTS STUDIO (A)**

1020 - Foundations of Visual Arts
A studio course designed to introduce students to techniques and processes of two-dimensional and three-dimensional media; the theoretical concepts which inform and direct studio practice will be emphasized.

Antirequisite(s): VAS 1025
Prerequisite(s): Priority will be given to students registered in a Visual Arts program.
1 lecture hour and 3 studio lab hours, 1.0 course. (Main)
Note: Some sessions may involve drawing from the nude (female or male) as a required component of the course.

1025 - Advanced Visual Arts Foundation Studio
This course is designed to develop foundational technical and conceptual skills for students with prior experience working with visual art media. Focus will be placed on the techniques and processes of two-dimensional and three-dimensional media with an emphasis on the theoretical concepts that inform and direct contemporary studio practice.

Antirequisite(s): VAS 1020
Prerequisite(s): Submission and acceptance of a prepared Visual Arts portfolio.
6 studio hours, 1.0 course. (Main)
Note: Some sessions may involve drawing from the nude (female or male) as an integral component of the course.

For VAS 1020 and VAS 1025 only, students may request an alternate component.

**WOMEN’S STUDIES (A) & (SS)**

1020E - Introduction to Women's Studies
A survey of selected topics in the study of gender and women's issues. Themes will be targeted. Assessment of the validity and 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, 1.0 course. (Brescia, King's, 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)

**WRITING**

0002F/G - Introduction to Writing in English
Restricted to English as a Second Language students. This course will introduce the grammar and structure of English, as well as the conceptual and cultural conventions of university writing in English.

Antirequisite(s): The former Writing 0001F/G
3 hours, 0.5 course. (King's, Main)

001F/G - Introduction to Basic Academic Writing in English for Multilingual Students
This course for multilingual students will develop skills of 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-writer-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 0001F/G, Writing 0011F/G
3 lecture hours, 0.5 course. (Brescia, Huron)

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)
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, 1021F/G, 1022F/G, 2101F/G
3 lecture/tutorial hours, 0.5 course. (Brescia, King's)
This course will not serve as a prerequisite for any area of concentration.

1021F/G - Basic Academic Writing for Multilingual Students
Restricted to first-year multilingual international and exchange students, this course follows Writing 0011F/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. 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 1021F/G.
Prerequisite(s): The former Writing 0001F/G, Writing 0002F/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, 1021F/G, 1022F/G and 2101F/G.
3 hours, 0.5 course. (Huron)

1030F - 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 writing 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)
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