PROGRAMS AND ADMISSIONS

2019

FINANCE YOUR STUDIES
See reverse side of this brochure
General information

Liaison Office
Tel.: 613-562-5800 ext. 1000
Toll free: 1-877-868-8292 ext. 1000
liaison@uOttawa.ca
uOttawa.ca/admission

Stay connected!

uOttawa — Future Students, Futurs étudiants
Facebook.com/uOttawa.amb

uOttawafuture
Instagram.com/uOttawafuture

@uOttawafuture
twitter.com/uOttawafuture

uOttawafuture
youtube.com/uOttawafuture

Come see the campus

Fall Open House - October 27, 2018
Spring Open House - March 16, 2019
Campus tours are offered Monday to Saturday, all year long.
Register online uOttawa.ca/campus-tours
For all upcoming events uOttawa.ca/events

WE RESPECT ALL INDIGENOUS PEOPLES AND WE SALUTE THE ALGONQUIN PEOPLE, TRADITIONAL GUARDIANS OF THIS AREA, AND THEIR LONGSTANDING RELATIONSHIP WITH THIS UNCEDED TERRITORY.

Financial Aid and Awards Service

55 Laurier Avenue East, Room 3156
Ottawa ON  K1N 6N5
Tel.: 613-562-5734
Toll-free: 1-877-868-8292 ext. 5734
Fax: 613-562-5155
loansandawards@uOttawa.ca
uOttawa.ca/financial-aid-awards

The information in this brochure is accurate as of August 2018. The Financial Aid and Awards Service reserves the right to change scholarship, bursary and financial aid details and requirements without notice.
This brochure contains information on programs of study, admissions prerequisites and other requirements. It will also give you a preview of student life at the University of Ottawa. For more on programs, services and resources, visit uOttawa.ca/admission.

The information in this brochure is accurate as of August 2018. The University of Ottawa reserves the right to change program details and requirements without notice.

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FINANCE YOUR STUDIES ........................................... On the reverse side
Enjoy the outdoors all year round!
#OttawaNature #Naturelovers

A campus right in downtown Ottawa.
#BywardMarket

Ottawa ranks 1st among Canadian cities for quality of life (MoneySense 2016 and 2017).

A brand new light rail station right on campus with a transit pass included in your tuition fees.

THE UNIVERSITY OF OTTAWA IS AMONG THE 10 BEST UNIVERSITIES IN CANADA.

THIS IS uOTTAWA

Find out more about Ottawa and our campus:
thisisuOttawa.ca
Experience the Gee-Gees spirit #GeeGeesPride

The University of Ottawa ranks among the top 2% of universities in the world.

Go Sens go! #OttawaSports

A crossroads of languages and cultures.

State-of-the-art learning facilities.

Connected to the world in every way.
Past experiences shape today's journey.

Jobs, volunteering, extracurricular activities and more can strengthen an application.

DO YOUR GRADES NOT TELL YOUR WHOLE STORY?

At the University of Ottawa, you can tell us about your achievements and dreams.

ONE DESTINATION. MANY WAYS TO GET THERE.

Being admitted to the University of Ottawa isn't just about your average. A new form we're now using for university admissions lets you tell us about your journey, so we can learn more about you. Maybe you've taken an unusual academic path or you've faced personal challenges. When we decide whether to admit you, an expert committee of professors will consider experiences that strengthen your application.

How it works

• Apply for admission.
• Access the Declaration of Personal Experience form via our secure student portal, uoZone.
• Use the form if you feel your grades are lower than the required average and you have special experiences or achievements that you would like to share with us.
• Complete only one form even if you are applying for admission to several programs.

Types of questions asked on the Declaration of Personal Experience

• How much time do you spend on a job, volunteering, family responsibilities or extracurricular activities during the school year?
• Can you tell us about your involvement in academic or extracurricular activities (i.e. CO-OP programs or Specialist High Skills Majors)? What about hardships you've lived through?
• Why do you want to study at the University of Ottawa? How will it contribute to your personal goals?
FRENCH IMMERSION

Stand out as a bilingual professional

Keep up your French or become completely fluent through uOttawa’s French immersion stream (Extended French stream in the faculties of Engineering and Science). Study alongside Francophones and other French immersion students in a bilingual university and city.

Your benefits:

- Receive an extra $1,000 per year for studying bilingually with the French Studies Bursary. (For more information on scholarships and bursaries see Finance your studies on page 7.)
- Earn a special mention on your diploma and a certificate confirming your second language skills.
- Over 50 first-year courses offer special language classes to help you transition to university studies in French.
- Write your assignments, lab reports and exams in your choice of French or English in nearly every course.
- Enjoy conversation workshops and a writing centre to help you improve your French skills, along with student mentors for advice and support.
- Receive qualitative grades (pass/fail) for courses taught in French in your first two years, limiting the impact on your academic average (if you’re enrolled in the faculties of Arts, Health Sciences or Social Sciences or in the Telfer School of Management).
- Join the Club d’immersion and experience Francophone culture through social activities!

For more information, visit immersion.uOttawa.ca.
CO-OP

Paid work experience while completing your degree

The University of Ottawa’s renowned and long-standing Co-operative Education Programs (CO-OP) allow you to complete paid work terms in your field of study in the National Capital Region, elsewhere in Canada and abroad. It’s a great opportunity to pay for most of your studies and confirm your career interests.

Your benefits:

• Gain 16 months of relevant, hands-on experience in your field.
• Learn interview skills.
• Benefit from a nearly 96% placement rate.
• Build a valuable professional network.
• Earn mention of CO-OP on your diploma.

For the list of disciplines offering CO-OP, see pages 19-22.
For information on applying for CO-OP, see page 58.

For more information, visit coop.uOttawa.ca.

Typical sequence between academic and CO-OP work placements

<table>
<thead>
<tr>
<th>YEAR OF STUDY</th>
<th>FALL</th>
<th>WINTER</th>
<th>SUMMER</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Study</td>
<td>Study</td>
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<tr>
<td>2</td>
<td>Study</td>
<td>Study</td>
<td>Placement</td>
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<td>3</td>
<td>Study</td>
<td>Placement</td>
<td>Study</td>
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<tr>
<td>4</td>
<td>Placement</td>
<td>Study</td>
<td>Placement</td>
</tr>
<tr>
<td>5</td>
<td>Study</td>
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<td>-</td>
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</tbody>
</table>
WORK-STUDY PROGRAM

Earn money and gain experience

The Work-Study Program (WSP) is just right for students who want to earn extra income while having a highly rewarding work experience on campus! The WSP offers 10-to-12-hour-a-week jobs that fit your course schedule. What’s more, because you work where you spend most of your day studying, you save precious time.

To see eligibility criteria and steps to apply, visit uOttawa.ca/financial-aid-awards/work-study-program.

Examples of jobs offered

- Assistant computer technician
- Assistant editor
- Assistant fundraising officer
- Assistant project officer
- Customer service agent
- Junior information officer
- Laboratory assistant or technician
- Marketing assistant
- Research assistant
- Student ambassador
- Student mentor
- Theatre costume assistant

EARN UP TO $4,000 WORKING PART TIME DURING THE SCHOOL YEAR AND UP TO $7,000 DURING THE SUMMER.

GAIN ENRICHING EXPERIENCE. OVER 1,700 JOBS ARE OFFERED ON CAMPUS EACH YEAR.

APPLY AT THE END OF SUMMER TO WORK AS SOON AS YOUR FIRST TERM

Being part of the ambassador team means making friends for life! #campustour #uottawa

When you get paid to entertain a crowd of Gee-Gee fans! #mascot #dreamjob

When you get paid to entertain a crowd of Gee-Gee fans! #mascot #dreamjob
Be part of world-renowned research

The Undergraduate Research Opportunity program (UROP) allows you to contribute 50 hours to a research project conducted by a professor of your choice as early as your second year.

Your benefits:

• Apply concepts you’ve learned in class to real situations.
• Discover the world of university research by working one-on-one with a professor.
• Get hands-on experience in cutting-edge research at one of the top 10 research-intensive universities in Canada before graduate studies.
• Receive a $1,000 scholarship.

For more information, visit research.uOttawa.ca/urop/undergrad-research-opportunity.

Make a difference in the community

The Michaëlle Jean Centre for Global and Community Engagement is an on-campus one-stop shop for volunteer opportunities in Ottawa and around the world. Through professor-approved community service placements related to learning objectives, you can pursue your program of study while contributing to the community.

Your benefits:

• Replace course assignments with volunteer projects.
• Gain hands-on experience in your field of study that is highly sought-after by employers.
• Earn a certificate confirming your volunteer experience.

For more information, visit servingothers.uOttawa.ca.
INTERNATIONAL EXCHANGES

Explore the world here or abroad

Going on an international exchange lets you make new friends and develop a network of contacts beyond Canada.

You can also develop your global skills on our multicultural campus. It's a great starting point for an international career.

Advantages:
- Learn or perfect a language.
- Discover a new culture.
- Get units (credits) towards your degree.
- Pay uOttawa tuition while studying abroad.
- Receive a guaranteed mobility scholarship.
- Benefit from information sessions, pre-departure workshops and support during the exchange.

Skills in intercultural communication and global citizenship are highly sought after and appreciated by employers. International exchanges, CO-OP work terms, volunteering and language courses all count towards your uOGlobal certification.

For more information, visit international.uOttawa.ca.

THANKS TO 285 PARTNERSHIPS WITH UNIVERSITIES, WE'RE #1 IN ONTARIO AND #4 IN CANADA FOR THE NUMBER OF DESTINATIONS

GUARANTEED MOBILITY SCHOLARSHIPS WORTH UP TO $2,000

EXAMPLE OF DESTINATIONS
- UNITED KINGDOM, NETHERLANDS, AUSTRALIA, SPAIN, FRANCE
FEEL AT HOME
LIVING IN REZ

Living in rez means making friends, getting involved in activities in your community and having access to programs and resources such as community advisers, in-house counsellors, study groups and workshops.

<p>| 10 RESIDENCES |</p>
<table>
<thead>
<tr>
<th>4 DIFFERENT STYLES</th>
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<tbody>
<tr>
<td><strong>TRADITIONAL</strong></td>
</tr>
<tr>
<td>LeBlanc, Marchand, Stanton or Thompson</td>
</tr>
</tbody>
</table>

| Rooms | Single occupancy | ✔ | ✔ | ✔ | ✔ | ✔ |
| Double occupancy | ✔ | - | ✔ | - | - |
| Bathroom | Shared with roommates | - | ✔ | ✔ | ✔ | ✔ |
| | Shared with floormates | ✔ | - | - | - | - |
| | Private | - | - | - | - | - |
| Conveniences | Double bed(s) | - | ✔ | ✔ | ✔ | - |
| | Air conditioning | - | ✔ | ✔ | ✔ | - |
| Location | Main campus | ✔ | ✔ | - | - | - |
| | Within 15 minutes walking distance of main campus | - | - | ✔ | - | - |
| Meals | In-unit kitchenette or complete kitchen | - | - | - | ✔ | ✔ |
| | Community kitchen | ✔ | ✔ | ✔ | ✔ | - |
| | 5-day or 7-day mandatory meal plan | ✔ | - | - | ✔ | - |
| Contract specifications | Length (in months) | 8 | 8 | 8 | 8 | 8 | 12 |
| | Residence fees per person (2018-2019)* | $10,881 to $12,813* | $8,865 | $7,905 to $9,665 | $13,401 to $14,101* | $6,896 to $9,689 | $11,068 to $18,677 |

* Meal plans are included in fees for residences where a plan is mandatory. Fees vary according to choice of 5-day ($4,480) or 7-day ($5,180) meal plan.
* Fees can vary within the same residence according to room type.

For more information on applying for housing, visit uOttawa.ca/housing.
**GUARANTEED HOUSING**

*FOR FIRST YEAR STUDENTS*

**UTILITIES INCLUDED**
*(ELECTRICITY, WATER, TELEVISION, ETC.)*

**WI-FI INCLUDED**

**CAMPUS SECURITY 24/7**

**LIVING LEARNING COMMUNITIES**
*(DEDICATED SPACES FOR RESIDENTS WHO SHARE THE SAME INTERESTS)*

**REZ LIFE ACTIVITIES**
*THEME NIGHTS, SPORTS TOURNAMENTS, LOCAL VOLUNTEERING, CONFERENCES*

---

*To benefit from the housing guarantee for first-year students, you must be admitted to an undergraduate program starting in the Fall term and reserve your spot by paying a $700 deposit by June 3, 2019. This guarantee does not apply if you have already completed more than five university courses or the equivalent.*
The University of Ottawa offers a variety of healthy, fresh and unique food options. There are more than 20 food service locations to choose from, including cafés, food trucks and restaurants, as well as the 24/7 Dining Hall.

Unlimited meal plans

Our unlimited meal plans allow you to eat what you want, when you want, in the Dining Hall. Enjoy food options and services like:

- Gluten-free, vegetarian, vegan and halal meals
- Made-to-order meals
- My Pantry — ingredients to cook for yourself
- Dietary restriction program
- Varied menu including international dishes and a great selection of other foods
- Starbucks coffee

Meal plan prices vary between $4,480 (5-day plan) and $5,180 (7-day plan).*

* Based on 2018-2019 fees for the academic year (8 months)

For more information on food services and other meal plan options, visit foodservices.uOttawa.ca.

Sustainability

At the University of Ottawa, food is served with a side of sustainability. Our campus is certified by Fairtrade, the Green Restaurant Association and the Marine Stewardship Council.

Breakfast fit for a Gee-Gee thanks to a waffle press built in the 3D printing lab. #engineeering #outsidethebox

Huge selection! #veggiesfordays #nomnomnom
Sports and social activities
Fuel your body, nurture your mind and enjoy a sense of wellbeing. Make the most of your time on campus and take part in sports and recreational activities.

- Access recreational activities and sports facilities, including gymnasiums, an Olympic-sized swimming pool and state-of-the-art playing fields and fitness centres (included in university fees).
- Take part in tons of free activities like yoga or cooking demos.
- Access health services at our on-campus medical clinic and pharmacy.
- 250+ student clubs
- 120+ on-campus events
- More than a dozen intramural sport leagues

For more information on sports and recreational programs and services: geegees.ca
List of Student Federation clubs: sfuo.ca/clubs

A FEW EXAMPLES OF THE MORE THAN 250 STUDENT CLUBS OF ALL KINDS

ACADEMIC / ARTS AND MEDIA / POLITICAL AND SOCIAL JUSTICE / FRATERNITIES AND SORORITIES / RELIGIOUS / CULTURAL / RECREATIONAL / PHILANTHROPIC / HUMANITARIAN

<table>
<thead>
<tr>
<th>Women in Science and Engineering</th>
<th>Animal Rights Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Law Society</td>
<td>Chess Club</td>
</tr>
<tr>
<td>Students for Mental Health Awareness</td>
<td>English Debating Society</td>
</tr>
<tr>
<td>Outdoors Club</td>
<td>Humans Helping Humans</td>
</tr>
<tr>
<td>Gaming Club</td>
<td>Cycling Club</td>
</tr>
<tr>
<td>UNICEF uOttawa</td>
<td>Science and Politics Society</td>
</tr>
<tr>
<td>English Improv Group</td>
<td>Students Striving for Excellence</td>
</tr>
<tr>
<td>Dance Club</td>
<td>Chemistry Club</td>
</tr>
<tr>
<td>Model United Nations Association</td>
<td>French Culture Association</td>
</tr>
<tr>
<td>Indigenous Students’ Association</td>
<td>Free Speech Club</td>
</tr>
<tr>
<td>Asian Canadians’ Association</td>
<td>Trivia Club</td>
</tr>
<tr>
<td>DIY Club</td>
<td>Origami Club</td>
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<tr>
<td>Black Student Leaders Association</td>
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</tbody>
</table>

COMPETITIVE SPORT CLUBS

| Alpine skiing (M/W) | Fencing (M/W) | Soccer (M) |
| Badminton (M/W)     | Fastball (M)  | Synchronized |
| Baseball (M)        | Golf (W)      | Swimming (M/W) |
| Cheerleading (M/W)  | Lacrosse (M)  | Ultimate (M/W) |
| Dance (M/W)         | Nordic skiing (M/W) | Volleyball (M) |
| Equestrian (M/W)    | Ringette (W)  | Water polo (M/W) |

VARiSytY CLUBS

| Golf (M)            | Rowing (M/W) | Rugby (M) |

VARiSytY SPORT TEAMs

| Basketball (M/W)    | Rugby (W)    | Track and cross-country (M/W) |
| Football (M)        | Soccer (W)   | Volleyball (W)                |
| Hockey (M/W)        | Swimming (M/W) |

M - Men’s
W - Women’s

To join a competitive club or a varsity team, contact the coach: geegees.ca
The University of Ottawa offers free services to help you stay on track and succeed in your studies. Make the most of them:

- **Orientation program** to get you started at the University.
- **Student mentoring** to benefit from the experience of other students and adjust to university life.
- **Study groups** to help you learn and become part of the university community.
- **Workshops** to become more effective in your academic and personal life.
- **Writing advisors** to help you improve your academic writing skills.
- **Counseling** to cope with challenges and develop a healthy awareness of your personal and academic potential.
- **Academic accommodations** and learning support strategies for students with disabilities.
- **Pet therapy** to keep you company and help you get through stressful or difficult times: [uOttawa.ca/wellness/pet-therapy](http://uOttawa.ca/wellness/pet-therapy)
- **Foot Patrol** volunteers to accompany you to your destination, even on the bus: [sfuo.ca/footpatrol](http://sfuo.ca/footpatrol)
- **A resource centre and Indigenous portal** to support First Nations, Inuit and Métis students: [uOttawa.ca/indigenous](http://uOttawa.ca/indigenous)

To find out more, visit [sass.uOttawa.ca/en](http://sass.uOttawa.ca/en).
WITH 400 PROGRAMS IN OVER 100 DISCIPLINES, HOW DO YOU DECIDE?

The University of Ottawa offers flexible programs that let you create your own academic path with made-to-measure undergraduate degrees. You can study entirely in English, or take courses in French, including through our immersion stream. Here are our tips to help you make the best choice, as well as information about different academic paths. If you need help making a decision, contact the Liaison Office at liaison@uOttawa.ca.

CHOOSE A FIRST PROGRAM
Browse through each faculty’s discipline descriptions starting on page 23, and find a subject that you’re passionate about and will lead to your dream job.

EXPLORE POSSIBLE COMBINATIONS
Are you interested in many subjects? Would you like to explore more than one? Why not! Some paths allow you to add a second discipline, such as a minor or a major, or to complete a double degree. Joint honours paths combine courses from two disciplines. Take a look at pages 18 to 22 to better understand the different paths offered.

COMBINE WORK AND STUDIES WITH CO-OP
Over 65 undergraduate disciplines allow you to combine paid work placements with courses for an honours degree. To see what disciplines CO-OP is offered in, look for the CO-OP symbol.

STUDYING IN FRENCH
Our French immersion stream allows students coming from English-language schools to include courses taught in French in their program and receive a mention of French immersion on their diploma. For more information on French immersion, see page 7. To see what disciplines it’s offered in, see pages 19 to 22 and look for the FI and EF symbols.

WHEN DO YOU HAVE TO CHOOSE?
For most programs, you choose your main discipline when you apply, by indicating your choice on the Ontario Universities’ Application Centre (OUAC) application. Once you are at the University, you can add a major or a minor, or change programs altogether. It is possible to add CO-OP to your OUAC application or during your second year at the University.

WHAT’S THE DIFFERENCE BETWEEN PATHS?
Two things differentiate academic paths: the total number of courses you must take in your main discipline and the ability or requirement to add a second discipline once you’re in university. When you apply, depending on the discipline you choose, you’ll be admitted either to one of our honours degrees, a major or a three-year bachelor’s, as shown in the diagrams on the following page.

COME TO CAMPUS TO EXPLORE YOUR INTERESTS
Some of our faculties offer the Student for a Day program, a full day of activities tailored to your availability, your interests and your expectations. Spend a day on campus, attend a class, meet with an academic adviser, speak with professors and visit the campus and its residences.

A variety of other activities on campus and a number of workshops on our different disciplines are also offered during our open houses in the fall (October 27, 2018) and spring (March 16, 2019).
**ELECTIVES**

In your program, some courses are compulsory. Electives, on the other hand, are courses you are free to choose. They allow you to discover a new passion and to confirm your choice of program. You can choose your electives among hundreds of courses the University offers. For example, if you’re enrolled in history, you can take geology or a course from one of our 13 language programs. The possibilities are endless. Take advantage of them!

**OPTIONS**

An option is a set of courses in a given field that complements your main program and allows you to choose a more specific direction in your studies. For example, if you are enrolled in environmental science, you can add an option in global change and gain specialized knowledge in this field. Options are offered in Engineering, Management, Arts and Science.

**HONOURS ACADEMIC PATHS**

**HONOURS (4 YEARS)**

- **H** HONOURS + ELECTIVES
- **HMn** HONOURS WITH MINOR + MINOR + ELECTIVES
- **HOpt** HONOURS INCLUDING AN OPTION + ELECTIVES
- **JH** JOINT HONOURS: TWO DISCIPLINES LEADING TO ONE DEGREE + ELECTIVES

**DOUBLE MAJOR | MAJOR AND MINOR (4 YEARS)**

- **M** MAJOR + MAJOR + ELECTIVES
- **M** MAJOR + MINOR + ELECTIVES

**DOUBLE DEGREE – INTEGRATED PATH LEADING TO TWO DEGREES (5 YEARS OR MORE)**

- **DD** DOUBLE DEGREE + HONOURS + HONOURS

**BACHELOR’S ACADEMIC PATHS**

**BACHELOR’S (3 YEARS)**

- **B** BACHELOR’S + ELECTIVES
- **B** BACHELOR’S + MINOR + ELECTIVES

**OTHER ACADEMIC PATHS**

**PROFESSIONAL STUDIES (2 YEARS OR MORE)**
To be admitted for professional studies, you must have prior postsecondary studies.

- **P** COMPULSORY, OPTIONAL AND ELECTIVE COURSES

**CERTIFICATE (1 YEAR)**
To be admitted to a certificate program, you might require professional or academic experience.

- **CER** COMPULSORY, OPTIONAL AND ELECTIVE COURSES
ACADEMIC PATHS BY FACULTY

At the University of Ottawa, disciplines are offered in many academic paths, as shown on page 18. The tables on pages 19 to 22 let you determine which paths are offered in the disciplines you’re interested in.

★ We regret to inform you that admissions to these programs have been suspended for 2019.

Faculties offering programs not requiring prior university studies

<table>
<thead>
<tr>
<th>Legend</th>
<th>FACULTY OF ARTS (BA)</th>
<th>See pages 23 to 30</th>
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</thead>
<tbody>
<tr>
<td>H</td>
<td>Geomatics and Spatial Analysis</td>
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<tr>
<td></td>
<td>German Language and Culture</td>
<td>-</td>
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<tr>
<td>B</td>
<td>Greek and Roman Studies</td>
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<tr>
<td>P</td>
<td>History</td>
<td>-</td>
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<tr>
<td>CER</td>
<td>History and Political Science</td>
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<tr>
<td>CO-OP</td>
<td>Italian Language and Culture</td>
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<td></td>
<td>Jewish Canadian Studies</td>
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<td></td>
<td>Latin American Studies</td>
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<tr>
<td>DD</td>
<td>Letters françaises (offered in French only)</td>
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<tr>
<td>JH</td>
<td>Letters françaises (BA et éducation (BED) (offered in French only)</td>
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<tr>
<td></td>
<td>Linguistics</td>
<td>-</td>
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<tr>
<td></td>
<td>Medieval and Renaissance Studies</td>
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<td></td>
<td>Music / Music Studies</td>
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<td>Music (BMus)</td>
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<td></td>
<td>Piano Pedagogy</td>
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<td></td>
<td>Psychology and Linguistics</td>
<td>-</td>
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<tr>
<td></td>
<td>Public Relations (joint program with Algonquin College)</td>
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<td></td>
<td>Rédaction professionnelle et édition (offered in French only)</td>
<td>-</td>
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<td>Traduction anglais-français (offered online and in French only)</td>
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<td>Translation - French-English - French-Spanish-English (apply in 3rd year)</td>
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Legend:
- H: Honours
- HOp: Honours including an option
- HMn: Honours with minor
- JH: Joint honours
- M: Double major | Major and minor
- Mn: Minor
- DD: Double degree - Integrated path leading to two degrees
- B: Bachelor's
- P: Professional studies requiring prior postsecondary education Certificate
- CER: Co-operative education
- FI: French immersion
- EF: Extended French
- M: Not available in 2019

FACULTY OF ARTS (BA) See pages 23 to 30

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<th>Discipline</th>
<th>Honours</th>
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<th>Joint honours</th>
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<td>Digital Journalism (joint program with Algonquin College)</td>
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<td>French as a Second Language — basic or advanced (offered in French only to non-Francophones)</td>
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</table>
### Academic Paths by Faculty

At the University of Ottawa, disciplines are offered in many academic paths, as shown on page 18. The tables on pages 19 to 22 let you determine which paths are offered in the disciplines you’re interested in.

#### Faculties offering programs not requiring prior university studies

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#### Telfer School of Management (BCom)

A complementary option in Entrepreneurship can be added to most BCom programs.

<table>
<thead>
<tr>
<th>Discipline</th>
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<th>CO-OP</th>
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<td>International Management</td>
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<td>H</td>
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<td>Marketing</td>
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<tr>
<td>Commerce (BCom) and Juris Doctor (JD) (offered in French only)</td>
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#### Faculty of Social Sciences (BSoSc)

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<td>Civil Law (LLL) and International Development and Globalization (BSocSc) (offered in French only)</td>
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### FACULTY OF ENGINEERING (BASc)

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<td>Biomedical Mechanical Engineering (BASc) and Computing Technology (BSc)</td>
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<tr>
<td>Chemical Engineering</td>
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<td>Civil Engineering (BASc) and Computing Technology (BSc)</td>
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<td>Mechanical Engineering (BASc) and Computing Technology (BSc) with option in Engineering Management</td>
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<tr>
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### FACULTY OF HEALTH SCIENCES

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<td>Human Kinetics (BHK)</td>
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<tr>
<td>Human Kinetics (BHK) Emphasis on social sciences (BSc/HK)</td>
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<tr>
<td>Human Kinetics (BHK) Emphasis on biophysical sciences</td>
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<tr>
<td>Human Kinetics (BHK) Emphasis on social sciences with option in Management and Governance or Intervention, Promotion and Community Programming</td>
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<td>Leisure Studies</td>
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<td>Nursing (BScN) (offered in French only to bilingual students)</td>
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### FACULTY OF SCIENCE (BSc)

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<tr>
<td>Biochemistry (BSc) and Chemical Engineering (BASc) (Biotechnology)</td>
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<td>Biomedical Science (Admission to CO-OP in second year only)</td>
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<td>Biomedical Science with option in Bioanalytical Science, Biostatistics, Cellular and Molecular Medicine, Medicinal Chemistry or Neuroscience (Admission to CO-OP in second year only)</td>
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<tr>
<td>Biomedical Science, with or without option, Research Focus</td>
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<td>HOpt</td>
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<tr>
<td>Biopharmaceutical Science with option in Genomics or Medicinal Chemistry</td>
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<td>Chemistry</td>
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<td>Chemistry with option in Advanced Materials or Ecochemistry</td>
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<tr>
<td>Computer Science and Mathematics</td>
<td>See Faculty of Engineering</td>
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<tr>
<td>Environmental Science with option in Conservation and Biodiversity, Environmental Geochemistry and Ecotoxicology or Global Change</td>
<td>HOpt</td>
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<tr>
<td>Financial Mathematics and Economics</td>
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<td>Geology</td>
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<td>Geology-Physics</td>
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<td>Life Sciences</td>
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<td>Mathematics</td>
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<td>Mathematics and Economics</td>
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<tr>
<td>Music (BMus) and Science (BSc)</td>
<td>See Faculty of Arts</td>
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<tr>
<td>Ophthalmic Medical Technology</td>
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<tr>
<td>Physics</td>
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<td>Physics with option in Biological Physics or Photonics</td>
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<td>Physics (BSc) and Electrical Engineering (BASc)</td>
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<td>Physics-Mathematics</td>
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<td>Statistics</td>
<td>H</td>
<td>HMn, M, Min</td>
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</table>
ACADEMIC PATHS BY FACULTY

At the University of Ottawa, disciplines are offered in many academic paths, as shown on page 18. The tables on pages 19 to 22 let you determine which paths are offered in the disciplines you're interested in.

Faculties offering programs requiring prior postsecondary studies

<table>
<thead>
<tr>
<th>FACULTY OF LAW – CIVIL LAW (LLL)</th>
<th>See page 52</th>
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</thead>
<tbody>
<tr>
<td>Civil Law (offered in French only)</td>
<td>P</td>
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<tr>
<td>Civil Law (LLL) and International Development and Globalization (BSocSc) (offered in French only)</td>
<td>P</td>
</tr>
<tr>
<td>Civil Law (LLL) and Master in Business Administration (MBA) (offered in French only)</td>
<td>P</td>
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<tr>
<td>National Program (LLL) - One year (offered in French only)</td>
<td>P</td>
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<tr>
<td>Programme de droit canadien (JD and LLL) (offered in French only)</td>
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<tr>
<th>FACULTY OF LAW – COMMON LAW (JD)</th>
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<tbody>
<tr>
<td>Juris Doctor (JD)</td>
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<tr>
<td>Juris Doctor (JD) and Telfer School of Management Master in Business Administration (MBA)</td>
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<tr>
<td>Juris Doctor (JD) and Norman Paterson School of International Affairs Master of Arts (MA)</td>
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<tr>
<td>Juris Doctor (JD) and Michigan State University College of Law Juris Doctor (JD)</td>
<td>P</td>
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<tr>
<td>Juris Doctor (JD) and American University Washington College of Law Juris Doctor (JD)</td>
<td>P</td>
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<tr>
<td>Commerce (BCom) and Juris Doctor (JD) (offered in French only)</td>
<td>P</td>
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<tr>
<td>National Program (JD) - One year (bilingual program with second language requirements)</td>
<td>P</td>
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<tr>
<td>Political Science (BSocSc) and Juris Doctor (JD) (offered in French only)</td>
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<tr>
<td>Programme de droit canadien (JD and LLL) (offered in French only)</td>
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<tr>
<th>FACULTY OF EDUCATION</th>
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<tbody>
<tr>
<td>Aboriginal Teacher Education (BEd) (offered in English only)</td>
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<tr>
<td>Aboriginal Teacher Education (offered in English only)</td>
<td>P</td>
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<tr>
<td>Teacher Education (BEd) (offered in English only)</td>
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<tr>
<td>Formation à l'enseignement (BEd) (offered in French only)</td>
<td>P</td>
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<tr>
<td>Formation à l'enseignement (BEd) (mode alternatif, temps partiel) (offered in French only)</td>
<td>P</td>
</tr>
<tr>
<td>Lettres françaises (BA) et éducation (BEd) (offered in French only)</td>
<td>P</td>
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<tr>
<td>Second Language Teaching (ESL or FLS) (BA)</td>
<td>See Faculty of Arts</td>
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<tr>
<th>FACULTY OF MEDICINE</th>
<th>See pages 55 to 57</th>
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<tbody>
<tr>
<td>Undergraduate Medical Education (MD)</td>
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<tr>
<td>Translational and Molecular Medicine (BSc)</td>
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<tr>
<th>GRADUATE STUDIES</th>
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<tr>
<td>For more information about master’s and doctoral programs, visit uOttawa.ca/graduate-studies.</td>
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</tbody>
</table>

WHAT CAN I DO WITH MY STUDIES?

If you’re wondering if the program you’re considering will lead to the career you want, check out the “What can I do with my studies?” page at uOttawa.ca/career-development-centre/studies. You’ll find lots of information on job requirements and employment forecasts related to areas of study offered at the University of Ottawa.
The Faculty of Arts embraces interdisciplinarity, bold thinking and academic exploration across three sectors — the humanities, languages and literatures, and fine arts.

Our programs will let you create a unique degree that matches your personal interests and career ambitions by allowing you to combine disciplines and take electives in fields of study you are passionate about.

As a student, you will immerse yourself in subjects that will take you beyond the classroom walls. Through experiential learning, you will develop skills and abilities essential in today’s workplace.

- Some of our highly ranked programs:
  - Linguistics: top 100 in the world, top 4 in Canada, top 2 in Ontario
  - Modern Languages: top 200 in the world, top 7 in Canada, top 2 in Ontario
  
Source: 2018 QS World University Rankings

- Employment rates six months after graduation that exceed provincial averages: 89% in both the humanities and in fine and applied arts
  
Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate

- 4,300 students enrolled in more than a hundred undergraduate programs taught in French and English in over 40 subjects

- Stays abroad in the Arabic, German, Italian and Russian language programs

- More than 570 scholarships and bursaries

- 97% Student Mentoring Centre satisfaction rate in helping students succeed academically

- 97% CO-OP placement rate
ABORIGINAL STUDIES
Designed for both Aboriginal and non-Aboriginal students, these programs acquaint you with the history, philosophy, spirituality, culture, art and current life of Aboriginal peoples in Canada, elsewhere in North America and in countries around the world.

CAREER OPPORTUNITIES
• Community educator
• Aboriginal issues coordinator
• Community liaison worker

ACTING
Are you interested in acting? The Bachelor of Fine Arts (BFA) in acting offers you complete professional training in an intensive three-year program (a 4-year program curriculum in 36 months) focused on the practice of theatre. Voice, diction, movement, acting, career management, history of theatre, play and live performance analysis, participation in many theatrical productions — the Department of Theatre’s BFA gives you the necessary tools and knowledge to take on the challenge of a career on the stage. Apply directly on the University of Ottawa’s admission website.

CAREER OPPORTUNITIES
• Actor

ART HISTORY
These programs give you a solid grounding in the history of international modern and contemporary art, curatorial and museum studies, and critical and theoretical discourses. An interdisciplinary approach allows you to examine perspectives drawn from aesthetics, philosophy, feminism and gender theories, postcolonial theories and theories of identity, globalization and new technologies.

CAREER OPPORTUNITIES
• Art historian
• Museum educator
• Art critic

ARABIC LANGUAGE AND CULTURE (Not available in 2019)
Spoken by over 400 million people worldwide, Arabic is one of the world’s major languages. Our programs provide you with not only a good knowledge of the language but also an invaluable perspective on Arabic culture, history, literature, philosophy, religion and society. Agreements between the University of Ottawa and universities in the Arab world allow you to go on exchange programs in Tunisia and Egypt, among other countries.

CAREER OPPORTUNITIES
• Multiculturalism project officer
• Translator
• Diplomat

ARTS
The BA program is flexible and provides you not only with a solid general education in a setting known for its vibrancy, but also with the opportunity to take a range of courses in arts-specific fields (humanities, languages and literatures, fine arts) or even in other faculties. If you wish, you can also minor in a specific subject, like modern languages, art history, music, theatre, communication, history, geography, religious studies or linguistics. This program can also prepare you for professional studies in law, medicine and education.

CAREER OPPORTUNITIES
• Government program officer
• Project manager
• Teacher
• Author
• Arts and culture program officer

COMMUNICATION
Ours is the information age. Analyzing how information is gathered, produced and distributed helps you understand communication processes—both human and technological—that shape a variety of settings: social, cultural, political, organizational, economic and legal. Combining theory and practice, our programs are geared towards helping you develop critical and analytical skills, preparing you either for a career or for advanced studies. Courses cover the two major fields of communication: media studies and organizational communication.

CAREER OPPORTUNITIES
• Communications consultant
• Media relations officer
• Marketing officer
• Event organizer
• Web content manager

DIGITAL JOURNALISM
Journalism is currently undergoing a digital shift (driven by the Internet, mobile and tablet technology, data journalism, etc.), inspiring change in journalistic practice and forcing journalists to develop new skills, techniques and approaches. Today’s journalists need to fill a diversity of roles, requiring not only a good understanding of emerging social trends, but also specialized expertise and knowledge. With this program, you will better understand the challenges related to journalism in the Digital Age, to help you enter the fast-changing media industry. The Department of Communication offers an Honours Bachelor in Digital Journalism jointly with Algonquin College (in English) and with La Cité (in French). Courses in the Department of Communication provide theoretical, analytical and critical foundations, while courses at the colleges focus on practical training.

CAREER OPPORTUNITIES
• Journalist
• Media analyst
• Columnist
• Photojournalist
• Political analyst
Besides providing an excellent base for many careers, a degree in English literature can offer you unmatched intellectual challenges and rewards. The Department of English offers courses covering all major historical periods and national traditions of literature in English. It also offers courses in creative writing and literary theory, along with general interest courses in such topics as literature and film, children’s literature, science fiction, graphic novels, and literature and the environment. An undergraduate English degree lays a foundation for graduate studies, and is an excellent preparation for professional degrees in law, business and education.

### CAREER OPPORTUNITIES

- Book editor
- Writer
- Content developer (web and social media)
- Digital copywriter
- Editorial assistant

### ENGLISH AS A SECOND LANGUAGE

The Official Languages and Bilingualism Institute (OLBI) offers three programs in English as a second language, each tailored to your needs, skill level and communication goals: a basic minor, an advanced minor and a major. For non-Anglophone students only, these programs are designed to improve and broaden your skills in your second language through an array of activities and instructional materials. Courses focus on the four essential language skills (reading, writing, listening, speaking) as well as on more specialized areas, such as grammar, vocabulary, pronunciation and culture.

### CAREER OPPORTUNITIES

- English as a second language teacher
- Editorial consultant
- Education program planner
- Bilingual services coordinator
- Adult language training instructor

### ETHICS AND POLITICAL PHILOSOPHY

Ethical questions are taking on increasing importance in our society and our lives. Think, for example, of advances in medicine, whose consequences can disrupt our notions of life and death, or of issues of confidentiality that arise from our use of the internet. Through this multidisciplinary program, you will gain both theoretical and applied knowledge of ethics. You will be able to reflect on fundamental issues of political and moral philosophy, and better understand the basis and range of ethical questions in different areas (health, business, law, communication, criminology, social work, public affairs, etc.).

### CAREER OPPORTUNITIES

- Human rights officer
- Public administrator
- Essayist
- Ethics consultant
- Teacher

### ENVIRONMENTAL STUDIES

Environmental studies delve into some of the most significant issues of our day, such as anthropogenic climate change, northern resource development, urban pollution and threats to human health. You learn how to use applied research tools and management principles in a variety of areas, such as environmental impact assessments and resource management.

### CAREER OPPORTUNITIES

- Environmental impact and sustainability consultant
- Urban planner
- Environmental policy analyst
- Sustainable development consultant
- Environmental programs analyst

### FRENCH AS A SECOND LANGUAGE

The Official Languages and Bilingualism Institute (OLBI) offers three programs in French as a second language, each tailored to your needs, skill level and communication goals: a basic minor, an advanced minor and a major. These programs, for non-Francophone students, are designed to improve and broaden your skills in your second language through an array of activities and instructional materials. Courses focus on the four essential language skills (reading, writing, listening, speaking) and on more specialized areas, such as grammar, vocabulary, pronunciation and culture.

### CAREER OPPORTUNITIES

- Teacher
- Terminologist
- Official languages co-ordinator
- Heritage languages program director
- Learning programs officer

### GEOGRAPHY

Geography addresses highly relevant issues like climate change, water resources and management, community organization and development, social interaction in urban spaces and northern development in permafrost environments. Our programs allow you to not only gain the knowledge, tools and technical skills you need but also to have unforgettable field experiences in Canada’s North and elsewhere.

The Major in Physical Geography and Geomatics is a stepping stone to becoming a member of the Association of Professional Geoscientists of Ontario (APGO).

### CAREER OPPORTUNITIES

- Urban planner
- Geomarketing consultant
- Park administrator
- Community planner
- Natural resource planner and analyst
- Geographic information systems (GIS) technologist

### GERMAN LANGUAGE AND CULTURE (Not available in 2019)

German is one of the most widely spoken languages in the world. Courses will allow you to acquaint yourself with contemporary German and give you insight into the cultural and political history of German-speaking countries and German cinema and literature. Exchange programs with German and Austrian institutions provide an opportunity to complete some courses in a native-speaking environment. Closer to home, the German Club provides activities in an informal setting so you can practise your German.

### CAREER OPPORTUNITIES

- Diplomatic service officer
- Immigration settlement liaison officer
- Interpreter
- Cultural relations officer
- Tourism consultant
GREEK AND ROMAN STUDIES
Unlock the secrets of the Greek and Roman civilizations and the origins of the Western world. Benefit not only from small classes and a close-knit student community but also from the department's library and even an on-campus museum. Volunteer in the museum to gain firsthand experience working with artifacts from the classical world. Apart from the six units in Latin required for an honours or a major in Greek and Roman Studies, Greek and Latin language courses are optional. Note, however, that Greek and Latin courses are mandatory for admission to the master's program.

CAREER OPPORTUNITIES
• Museum conservator
• Curator
• Archeologist
• Historical interpreter
• Archivist

HISTORY
History is the discipline that focuses on the diverse and complex ways that individuals and groups have created and adjusted to change over thousands of years around the world. In studying change over time, you learn to interpret evidence of human thought and behaviour, to understand the impact of individual and collective decision-making and the changing relationships among individuals, peoples and societies, and between humans and their environment.

CAREER OPPORTUNITIES
• Historian
• History teacher
• Librarian
• Museum curator
• Social policy analyst
• Heritage interpreter

ITALIAN LANGUAGE AND CULTURE (Not available in 2019)
Our Italian program allows you to enter an exciting and vibrant world. Italy is a land of great beauty, compelling contrasts and universally admired artwork. Come and discover our culture courses, which cover everything from Dante and The Divine Comedy to the latest Quentin Tarantino film. Or travel to Italy with our summer course and learn Italian while fully immersed in the country's beach, piazza and culinary culture. We also collaborate with the UNITRE in Italy for a cutting-edge Italian course that allows you to make valuable connections with Italian native speakers and learn Italian at a distance.

CAREER OPPORTUNITIES
• Cultural and international adaptation specialist
• Diplomatic service officer
• Teacher
• Translator
• Communications specialist

LETTRES FRANÇAISES
Our programs in lettres françaises offer a complete, diverse and thorough education. You will study literature from France, Quebec, French-speaking Ontario and other communities of the French-speaking world in order to expand your understanding of cultural diversity and sharpen your critical thinking skills. You will master the French language and, in particular, written French. Workshops led by writers-in-residence and professor-authors help you improve your own writing and enhance your creativity.

CAREER OPPORTUNITIES
• Author
• Teacher
• Screenwriter
• Cultural journalist
• Publication editor
• Copywriter

LETTRES FRANÇAISES ET ÉDUCATION
The integrated Lettres françaises et éducation program leads to two undergraduate degrees, bringing together learning in French and education. Gain a solid foundation in French language and literature while studying concepts in education. Your experience in the classroom allows you to quickly make connections between theory and practice.

CAREER OPPORTUNITIES
• Elementary or secondary school teacher
• Academic adviser
• Language evaluator
• Educational program planner
• School board administrator

LINGUISTICS
Where does language come from? How does language work? Advances in research and new technologies are revolutionizing the way we answer these questions. In our leading-edge equipment and research labs, you will analyze spoken sounds, track eye movement and brain activity during language processing and explore language variation and other theoretical and empirical aspects of language. These programs can serve as an entry point to a master’s in either speech language pathology or audiology.

CAREER OPPORTUNITIES
• Linguist
• Audiologist
• Speech language pathologist
• Language teacher
• Computational linguist

Yukon field course offered by the Department of Geography, Environment and Geomatics.
**MEDIEVAL AND RENAISSANCE STUDIES**

The period known as the European Middle Ages has endowed the Western world with a rich heritage. Our vision of the world has its origins in the Long Medieval period, so studying this era, which starts at the end of antiquity and reaches modern times, introduces you to our past in all its dimensions: linguistic, cultural, historical, political, philosophical and religious. These multidisciplinary programs include courses in history, philosophy, music, theatre, and English, French, Italian and Latin literature.

**CAREER OPPORTUNITIES**

- Librarian
- Heritage officer
- Archivist
- Historian
- Historical interpreter

**MUSIC – MUSIC STUDIES**

The School of Music at the University of Ottawa is the ideal place to nurture your musical passion while gaining the training you need. The school has close ties to renowned institutions like the National Arts Centre and the Ottawa Symphony Orchestra, along with many professors who are recognized internationally, perform around the globe and publish in leading journals. We are a full-service school, teaching performance, composition, music education, theory and musicology. The Certificate in Piano Pedagogy offers professional training and practical courses that improve the skills and knowledge of piano teachers currently giving lessons in private studios and music schools.

**CAREER OPPORTUNITIES**

- Musician or performer
- Music critic or journalist
- Teacher (in a private studio or in a school)
- Broadcasting station administrator
- Musicologist

**MUSIC AND SCIENCE**

Do you love music and science? Would you like to develop your musical abilities to their full potential while doing advanced studies in science? Now you can, thanks to this double degree offered jointly by the University of Ottawa's faculties of Arts, Science and Engineering. Gain in-depth knowledge and pursue rigorous training in music and science.

**CAREER OPPORTUNITIES**

- Musician, performer, teacher (in a private studio or in a school) and all the other career opportunities related to a music degree
- Science Careers in biology, biochemistry, geology, mathematics, physics or statistics, depending on which program you choose

**PHILOSOPHY**

Since it deals mainly with issues that have no simple solutions, philosophy emphasizes the exchange of ideas and debate, and thus cultivates an appetite for deep and serious reflection. By reading and discussing the works of the world’s great thinkers on topics like truth, justice, morality and existence, you sharpen your ability to think clearly, critically and independently. The department's curriculum has a twin approach, historical and analytical, and covers political and social philosophy, ethics and logic, as well as the philosophies of science, language and the mind.

**CAREER OPPORTUNITIES**

- Human rights officer
- Social policy consultant
- Essayist
- Ethics consultant
- Teacher

**PUBLIC RELATIONS**

Public relations is an everyday part of politics, business, non-governmental organizations (NGOs) and the entertainment industry. This program, offered in collaboration with Algonquin College and La Cité, provides a theoretical, analytical and practical education that prepares you for a wide variety of functions, such as developing communication plans, strategies and materials; organizing events; producing visual and online materials; and managing crises.

**CAREER OPPORTUNITIES**

- Public relations officer
- Media relations officer
- Speech writer
- Spokesperson
- Communications officer
- Spiritual and ethical counsellor
- International development officer
- Northern studies adviser
- Tourism officer

**RUSSIAN LANGUAGE AND CULTURE** *(Not available in 2019)*

One of the six official languages at the UN, Russian is the world’s sixth most widely spoken tongue. Its richness and beauty have embellished every aspect of Russian culture. In our program, you will learn about Russia’s turbulent history; the tenacious and creative qualities of her people; her prominent writers, musicians, philosophers, scientists and leaders; her accomplishments in the arts; and her formidable contribution to world culture. Our program also includes a period of study at one of Russia’s major universities.

**CAREER OPPORTUNITIES**

These programs lead to international careers in the following fields:

- National security officer
- Foreign affairs officer
- Diplomat

**SECOND-LANGUAGE TEACHING**

These multidisciplinary undergraduate programs are the only ones of their kind in Canada. Courses cover theories of language acquisition, as well as second language learning and teaching, and explore the relationships between language, culture and society. What’s more, when you graduate, if you want to work as a second language teacher and you meet the admission requirements of the Faculty of Education, a limited number of places are reserved for you in the Teacher Education (BED) program. Several graduate program options are also available.

**CAREER OPPORTUNITIES**

- English or French as a second language teacher
- Second-language monitor or tutor
- Public policy analyst
- Cultural or international adaptation specialist
- Pedagogical material developer
SPANISH

Spanish is spoken by over 400 million people around the globe, and 21 countries list it as an official language. Its reach and influence, and the increasing importance of the Hispanic world, open an array of professional opportunities. As a student in the Spanish program, you will learn the language and also study culture, cinema, literature and linguistics. You will gain a broader perspective on Latin America and Spain and will be able to complete part of your studies abroad through an exchange.

CAREER OPPORTUNITIES
• Multicultural project consultant
• Foreign affairs officer
• Intergovernmental affairs officer
• Teacher
• Interpreter

THEATRE

Welcome to centre stage! From practice to theory, from performance to reception, the Department of Theatre offers training in most aspects of theatrical production and analysis and prepares you for a career of creative expression and intellectual stimulation. We teach acting, directing, playwriting, arts administration, dramaturgy, theatre history, production, technical theatre and design, and theory and aesthetics. When it comes to practice, opportunities abound: the department produces up to twenty-five original productions a season.

CAREER OPPORTUNITIES
• Actor
• Director
• Artistic director
• Theatre administrator
• Stage manager
• Theatre or drama teacher
• Technician

TRANSLATION

The School of Translation and Interpretation and its teaching staff are internationally recognized for excellence in both teaching and research. The curriculum includes practical and theoretical seminars and courses in writing, editing, terminology and computer-assisted translation, providing you with comprehensive professional training in general, specialized and technical translation. In the honours, you have the option of a trilingual (English-French-Spanish) program or combining academic studies with paid workplace experience through the CO-OP program.

With a degree from the School, you will easily meet the demands of professional translator associations, leading to well-paid positions in the language industry.


CAREER OPPORTUNITIES
• Translator
• Editor
• Terminologist
• Language adviser
• Bilingual or trilingual writer
• Interpreter

VISUAL ARTS

Our programs take you on an exploration of the visual arts, with a special emphasis on contemporary creation. Both include compulsory practical and theoretical courses that encourage creation and reflection. The department provides photography and media art labs, as well as painting, drawing and sculpture studios. Our location in the heart of Ottawa gives you access to a wealth of artistic venues, such as the National Gallery and the Ottawa Art Gallery. In addition, you train under the guidance of nationally and internationally recognized artists, curators, art historians and theorists. While maintaining its focus on traditional disciplines (drawing, painting, sculpture and photography), the department also helps you discover the use of new media and technologies in the visual arts.

CAREER OPPORTUNITIES
• Professional artist
• Graphic artist or illustrator
• Art critic
• Art teacher
• Art administrator
• Curator

The Department of Theatre’s production of Marriage: An Absolutely Impossible Event in Two Acts by Nikolai Gogol. Adapted by Yana Meerzon and Nicholas Leno and directed by Nicholas Leno, a student in the program.
FACULTY OF ARTS – MINORS (30 UNITS) AND OPTIONS (9 TO 18 UNITS)

The disciplines on the following pages can be added to your main discipline only once enrolled.

**APPLIED ETHICS – MINOR**
Ethical issues are taking on a greater importance in all areas of life. Just think of the questions being raised by medical advances that challenge our concept of life and death, or the privacy issues resulting from the use of the Internet. This minor provides you with the opportunity to reflect on fundamental issues in moral and political philosophy and better understand ethical issues in health care, business, law, communication, criminology, social work, public affairs and other areas.

*This program can lead to careers in social and community services and public administration.*

**ASIAN STUDIES – MINOR** (Not available in 2019)
Chinese has more than 1.3 billion speakers, the world’s largest language community, while Japanese is the language of one of the world’s largest economies. The Asian Studies program features topics in Asian culture, literature, history, religion, philosophy, anthropology and politics. It is designed to give you a comprehensive understanding of Asia’s role in the contemporary world and its historical and cultural transformations. This program allows you to take summer courses in China and Japan.

*This program can lead to careers in cultural and foreign affairs. It is a major asset in the international marketplace.*

**CELTIC STUDIES – MINOR** (Not available in 2019)
The Department of Modern Languages and Literatures offers a Minor in Celtic Studies. This multidisciplinary program allows you to explore the modern Celtic languages (Irish, Scottish Gaelic, Welsh, Breton), as well as the rich cultures of the Celtic world. You will have the opportunity to study a range of topics, from early history to contemporary events, from the story of King Arthur to the Celtic peoples of Western Europe and the Americas.

*This program can lead to careers in cultural and foreign affairs. It is a major asset in the international marketplace.*

**DIGITAL HUMANITIES – MINOR AND OPTION**
The digital humanities explore enduring questions about culture, using digital tools creatively and critically to gather, mine, organize, visualize and disseminate information. Digital humanists work across all areas in the arts and humanities. Projects can include large-scale data mining of historical census data, exploring work on computational linguistics and computer-assisted language learning, or mapping patterns of sound and image in contemporary music videos or theatrical performances. The Minor in Digital Humanities can be combined with most programs.

*This program can lead to careers in web and interface design, exhibit planning and information analysis.*

**ÉCRITURE ET STYLE – MINOR**
Most jobs today require a superior command of written language. The minor in Écriture et style offered by the Département de français includes a full range of courses in French grammar and composition. If you want to hone your written communication skills in French, this minor is for you.

*This program will prepare you to excel in positions where written language is crucial. It is also excellent preparation for graduate studies.*

**ENTREPRENEURSHIP, CREATIVITY AND SOCIAL INNOVATION – OPTION**
The Entrepreneurship, Creativity and Social Innovation option was thoughtfully crafted to cater to our makers, shakers and risk-takers! Do you have a curious mind and an entrepreneurial spirit? Turn your creative aspirations into tangible realities and embark on your business journey! Our proposed sequence will deliver a balance between theory and practice through meaningful learning opportunities, coupled with valuable resources and support for you as a future entrepreneur. You will learn ways in which creativity and entrepreneurship can be blended together to create exciting opportunities. This option’s fixed progression has been carefully tailored and can be integrated in all BA and BSc programs of the Faculty of Arts for those looking to turn their passion into purpose to shape their future and our community.

*This program will give you the tools to carve your own career and put you on the path of becoming your own boss.*
FRANCOPHONE STUDIES – MINOR
These multidisciplinary programs, unique in Ontario, will enable you to learn about different aspects of the French-speaking world (cultural, legal, linguistic, social, educational, political) across the globe, in French, from leading Canadian researchers on the topic. The minor is for students who are looking for a program attuned to current reality and issues involving Francophone communities in Ontario, Quebec, the rest of Canada and abroad. The certificate is for those such as recent secondary school or college graduates or experienced volunteers, community workers or civil servants wishing to add to their knowledge of French language, culture and more. To facilitate access to the program, some courses are offered in late afternoon or in the evening.

This program can lead to careers in community and government settings, as well as in international organizations.

GEOMATICS AND SPATIAL ANALYSIS – MINOR AND OPTION
Geomatics is a rapidly expanding branch of geography, with concrete applications in areas such as health care planning, epidemiology, criminology, defence and security, disaster management, environmental and resource monitoring, and urban planning. From producing more efficient transit schedules to mapping disease outbreaks or assessing the seismic or health risks associated with our built environments, geomatics plays an essential role.

This program can lead to careers in urban and transportation planning, hazard mitigation and disaster management and tactical logistics.

JEWISH CANADIAN STUDIES – MINOR AND OPTION
In this multidisciplinary program, you will study different aspects of the Jewish experience in a Canadian context, including history, language, literature and the arts. You will examine the major Jewish communities in Canada’s cultural mosaic and learn about the significant contribution of Jews to Canada’s growing diversity. You can also study the Yiddish language and culture, a core part of Jewish Canadian heritage. These courses include both classroom study and enrichment activities such as special events, guest speakers and field trips.

This program can lead to careers in community development, politics, research and education.

★ LATIN AMERICAN STUDIES – MINOR (Not available in 2019)
The Minor in Latin American Studies allows you to explore the cultures, histories, languages and societies of a region that has roughly 500 million people, as well as close and growing ties to Canada. This multidisciplinary program offers you a unique chance to broaden your horizons through the study of a changing, heterogeneous world. You will study Latin America from the perspective of multiple disciplines, thanks to interdepartmental and interfaculty courses, lectures, discussion groups and cultural activities.

This program can lead to careers in cultural and foreign affairs. It is a major asset in the international marketplace.

RÉDACTION PROFESSIONNELLE ET ÉDITION – MINOR
The Rédaction professionnelle et édition program prepares students for careers requiring a mastery of French writing and communication techniques. This specialized training combines theoretical knowledge and practical experience with methods used in many work settings. The minor provides specialized training to assist students with writing and publishing responsibilities in their main field.

This program can lead to careers in journalism, communication, and publishing.

The Faculty of Arts’ Student Mentoring Centre provides tools for a worry-free transition to university life. A free service by students for students!
Business today demands that you not just be knowledgeable, but also equipped with an international outlook, career development support and rich, diverse learning experiences that extend beyond the classroom.

The Telfer BCom delivers both rigorous training and exceptional choice. Our four-year program starts you off with two years of common-core courses, such as Marketing, Financial Management and Business Communication Skills. These courses follow a sequence, enabling you to build your overall knowledge and sharpen your basic business skills. Your final two years are then devoted to courses that enable you to delve deeply into one of our many areas of business.

- Approximately 4,200 undergraduate students
- A network of over 25,000 alumni worldwide that employ our grads and CO-OP students
- Top 1% of business schools in the world holding the “triple crown” of the most sought-after international accreditations:
  - AACSB (Association to Advance Collegiate Schools of Business)
  - AMBA (Association of MBAs)
  - EQUIS (European Quality Improvement System)
- 90.5% employment rate six months after graduation — exceeds the provincial average

Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate
ACCOUNTING CO-OP

The Honours Bachelor of Commerce in Accounting allows students to build a solid foundation in financial and managerial accounting, auditing and taxation. You learn to produce accurate financial statements as well as cover increasingly complex topics in accounting. As part of this program, you can take all the courses required to apply for Ontario’s Certified Professional Accountant (CPA) designation, or be flexible and take a more general accounting stream.

CAREER OPPORTUNITIES
• Accountant (CPA)
• Auditor
• Tax specialist
• Controller
• Director of finance

COMMERCE AND JURIS DOCTOR

This program, offered in French, combines the study of commerce and common law, allowing those interested in management and future legal professionals to understand thoroughly the issues and analysis involved in these two complementary disciplines. The program allows you to complete the requirements of both programs in six years, equipping you with two separate degrees: a Bachelor of Commerce (with possible “French Immersion” mention for non-Francophone students) and a Juris Doctor (JD). These degrees allow graduates to write provincial bar exams and practise law anywhere in Canada (except in Quebec).

CAREER OPPORTUNITIES
• Entrepreneur
• Lawyer (private practice, government, non-governmental organization)
• Lobbyist

FINANCE CO-OP

This program is designed to equip you with the necessary financial tools for a career in corporate finance or investment. Topics such as financial management theory and practice, financial instruments and modern valuation techniques are covered. You can extend your financial knowledge by focusing on derivative markets and specialized topics in corporate and international finance.

CAREER OPPORTUNITIES
• Portfolio or securities analyst
• Financial adviser
• Account manager
• Investment banking analyst
• Chief financial officer

HEALTHCARE ANALYTICS

Healthcare systems are undergoing unprecedented transformation fuelled by the digitization of services and investments in health information technologies. Our option in Healthcare Analytics is a field built on the crucial role that data, systems engineering, management, and organizational innovation play in improving the quality and timeliness of service delivery in a high performing healthcare system. This field answers a need to develop expertise to create the research and training capabilities required for transforming healthcare into a system that adheres to the principles of patient-centered care and participatory medicine.

CAREER OPPORTUNITIES
• Analytics or Technical Consultant
• Systems or Data Analyst
• Change Manager

HUMAN RESOURCE MANAGEMENT CO-OP

The Human Resource Management (HRM) option provides you with comprehensive knowledge of how to manage individuals and teams for organizational success. From recruiting and selecting employees to compensating, training and retaining them, you will learn how to maximize both human effectiveness and wellbeing. As the majority of our courses have been accredited by the Human Resources Professionals Association of Ontario (HRPAO), graduates of this program are well positioned to succeed in the competitive HR labour market. Students who successfully complete the HRM option not only receive a BComm with specialized training in HRM, but also meet the academic requirements for Certified Human Resources Professional (CHRP) designation.

CAREER OPPORTUNITIES
• Staffing officer
• Labour relations adviser
• Learning and development adviser
• Occupational health and safety manager
• Pay and benefits manager
The Telfer BCom combines a variety of teaching methods to give you a rich, textured learning experience that includes real-life case studies, directed readings and business simulations.

**INTERNATIONAL MANAGEMENT CO-OP**

The International Management option helps you gain an understanding of opportunities in international business and develop strategic decision-making skills to deal with them. Topics include the global business environment and the development and implementation of policies and strategies by multinational corporations and organizations. As part of this option, you must complete at least one study term abroad at one of our international partner institutions.

**CAREER OPPORTUNITIES**
- Foreign service officer
- Trade commissioner
- Import or export specialist
- International sales manager
- Business development director

**MANAGEMENT CO-OP**

The Management option balances practical and analytical skills development, to improve your decision-making process and to deepen and broaden your understanding of how to generate and implement organizational strategies. The option emphasizes the need to manage for continuous performance improvement and with awareness of the organization’s relationship to its environment, along with the need to understand historical management practices and current management trends. The option seeks to provide you with cross-functional managerial skills applicable in many different organizational settings.

**CAREER OPPORTUNITIES**
- Business analyst
- Project manager
- Management consultant
- Program director
- Chief executive officer

**MANAGEMENT INFORMATION SYSTEMS AND ANALYTICS CO-OP**

The option in Management Information Systems and Analytics (soon to be known as Business Technology Management) is a bridge between business and information technology (IT). It will provide you with an understanding of how to use IT to support, streamline and improve organizational (business, government, non-profit) processes. It will also enable you to develop core competencies and skill sets in information systems and analytics, and introduce you to strategic issues in technology management and best practices for planning, designing and implementing IT solutions to enhance organizational performance.

**CAREER OPPORTUNITIES**
- Business systems manager
- Software developer or tester
- Information and process analyst
- Network architect
- Chief information officer

**MARKETING CO-OP**

The Marketing option focuses on how and why people and organizations purchase and consume goods and services via a system of organizational activities designed to plan, develop, price, promote and distribute products and services. Due to the increased breadth of marketing and the complexity and scope of the decisions to be made, marketing draws on knowledge of both quantitative and qualitative concepts, models, theories and techniques from the other areas taught at the Telfer school.

**CAREER OPPORTUNITIES**
- Market analyst
- Promotions and communications officer
- Branding manager
- Publicist or public relations manager
- Director of sales

**ENTREPRENEURSHIP – COMPLEMENTARY OPTION**

Can be added to your main discipline once enrolled.

The complementary option in Entrepreneurship is designed to help you develop the skills necessary to contribute to a new venture, a high-growth enterprise or an innovative existing organization. Whether you want to run your own enterprise, work in a family business or manage growth in an established company, our goal is to stimulate and inspire you.
Influence policy and politics, get involved in different communities, figure out socio-economic trends and explore the powerful relationships between systems, peoples, societies and countries.

Our students develop solid research and analytical skills that bring together social, quantitative and qualitative analysis. As graduates, they influence the world around them in ways that benefit individuals, communities and the environment, in Canada and abroad.

Some of our highly ranked programs:

- Political Science: top 100 in the world and top 2 in Ontario
- Sociology: top 150 in the world and top 7 in Canada
- International development programs: top 100 in the world and top 2 in Ontario

Source: 2018 QS World University Rankings

- 87.2% employment rate six months after graduation — exceeds the provincial average
  Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate
- A network of 42,000 alumni in 104 countries that employ our grads and CO-OP students
- Largest faculty: 8,600 undergraduate students
- 18 CO-OP program options: a 97% CO-OP placement rate
- Generously subsidized and credited international internships in organizations around the world
- Credited field research courses in which you travel with your professor and classmates to a different country for a few weeks of intensive on-site learning
ANTHROPOLOGY [CO-OP]

Anthropology is the study of diversity within and among societies throughout the world. Almost all issues we deal with as a society can be looked at through its lens. Drawing on in-depth, long-term fieldwork, as well as cross-cultural comparison, anthropologists work to understand the ways in which people perceive the world and how they interact with it. Anthropology’s holistic approach not only helps us make sense of the vast array of human practices and the place of humans in the world, but also plays a fundamental role in identifying and understanding our world’s most crucial social, cultural, political, economic and environmental challenges.

Our specialized programs in socio-cultural anthropology enable students to analyze change and intercultural relations in the context of globalization, environmental issues, development, migration and a rapidly changing world of emerging technologies.

CAREER OPPORTUNITIES
- Health researcher
- Documentary filmmaker
- Social entrepreneur
- Teacher
- Community organizer
- Cultural attaché
- NGO project manager

CONFLICT STUDIES AND HUMAN RIGHTS [CO-OP]

The international community has, for several decades, sought to stop conflict while helping to build sustainable peace. Where has it succeeded and how, and why has it failed elsewhere?

Our program explores the causes and consequences of the many armed conflicts that persist around the world and brings you to reflect objectively on issues such as human rights, war, peace, international security and much more.

If you’re interested in human rights, in understanding the conditions for peace and in deconstructing the complexities of conflict, this program is a perfect fit!

CAREER OPPORTUNITIES
- Development officer in peace-building initiatives
- Departmental assistant in international relations
- International development officer

CRIMINOLOGY

Criminology involves the scientific analysis of crime, the criminalization process and social control. It’s an applied discipline in which you explore various forms of intervention to help resolve problems and conflicts.

Criminology focuses on five broad phenomena: 1) the nature and dynamics of behaviours that contravene social norms; 2) the social construction of norms and of the notion of crime; 3) the criminalization of specific behaviours, individuals and groups in social relations; 4) the goals and workings of the criminal justice system; and 5) contemporary forms of intervention.

Students who have a degree in criminology work in a diversity of settings: the adult correctional system; the juvenile justice system; health and social services; crime prevention programs; policing and security related organizations; cybercrime; community organizations working with persons in conflict with the law, victims and marginalized people; and government agencies and departments.

CAREER OPPORTUNITIES
- Practitioner with youth in conflict with the law or in need of protection
- Probation, parole or correctional officer
- Victim support worker
- Police services officer

ECONOMICS [CO-OP]

Ever wonder why some countries are richer than others or why income inequality has been growing? Ever ask yourself why Canadian politicians worry when other countries may be going bankrupt? Economics can answer all these questions.

It provides you with a way to examine how individuals and society make choices in a world where resources are limited. It focuses on the production, distribution and consumption of goods and services. Two important topics you’ll examine in this field are efficiency (the absence of waste in the use of resources) and fairness. Since making choices is central to all human activities, studying economics often helps explain why people and governments behave in certain ways.

CAREER OPPORTUNITIES
- Economist
- Program officer
- Public policy analyst
- Commerce officer

ECONOMICS AND PUBLIC POLICY [CO-OP]

Public policy decisions shape daily life and well-being. Many essential services, such as health care and education, are provided by the public sector. Using their regulatory powers, governments establish the framework for competition between firms and protect the environment. In return for public services, individuals and firms must pay taxes. This interdisciplinary program, which draws on the tools of economic analysis, gives you a better understanding of the challenges linked to public sector economics (federal, provincial, municipal). Areas of application include the labour market, health care, education, environment and taxation.

CAREER OPPORTUNITIES
- Economist
- Public policy analyst
- Program officer

ENVIRONMENTAL ECONOMICS AND PUBLIC POLICY [CO-OP]

Environmental issues fill the headlines — climate change, the oil sands and species loss, to name but a few. Is it possible to grow the economy and protect the environment at the same time? Is our current economic path sustainable?

The Environmental Economics and Public Policy program provides you with a multidisciplinary understanding of the environment, the economy and the interaction between the two. The program includes a CO-OP option, and you can also complete a research internship in the public or non-profit sector in fourth year. All students undertake original policy research in a capstone course in either environmental or natural resource economics. The program opens doors to careers in environmental-economic policy development and analysis in the public, private and non-profit sectors.

CAREER OPPORTUNITIES
- Economist
- Public policy analyst
INTERNATIONAL DEVELOPMENT AND GLOBALIZATION

Are you interested in the environmental, economic and sociopolitical challenges that humanity faces in the 21st century? Do you want to better understand how and why some countries “develop” (and others do not) in a world of globalizing markets, new technologies and ideas? Are you drawn to issues such as human rights, poverty reduction, climate change, humanitarian crises, social and corporate responsibility, fragile states and the education and health of “vulnerable” populations? Come explore how humanity can find both fair and lasting solutions to such problems.

The Honours Bachelor in International Development and Globalization combines theory and practice within a rigorous academic program while providing you with field experience through work and study terms in Canada and abroad.

CAREER OPPORTUNITIES
- International development officer
- Community development officer
- Cooperant (international aid worker)
- Foreign-service officer
- Departmental assistant in international relations
- Program or project officer
- International policy analyst

INTERNATIONAL ECONOMICS AND DEVELOPMENT

As the 21st century unfolds, the issues of international development and globalization are central to the future world order: the way in which the underlying economic challenges are resolved will fundamentally change our society. The International Economics and Development program is built on a variety of economics courses that provide insight into the way in which globalization affects individuals, industry, the public sector and entire nations. The understanding it provides of economic concepts is framed by an awareness of the factors that shape economic growth and development, in both emerging and industrialized economies.

CAREER OPPORTUNITIES
- Economist
- Economic analyst
- Commerce officer
- International development officer
- International economic consultant

INTERNATIONAL STUDIES AND MODERN LANGUAGES

This multidisciplinary program introduces you to the study of international issues, trans-border phenomena and intercultural relations of all kinds. It leads to an in-depth understanding of the complex connections and interactions among local, national, regional and global processes.

As a complement to its focus on international studies, the program offers advanced foreign-language training. You will become proficient in Canada’s two official languages and in at least one additional modern language, thus preparing you for the demands of an internationally-oriented career. The program also develops fundamental skills in critical-thinking, analysis and synthesis, and teaches you a variety of research methods. You will benefit from extensive international opportunities, including study abroad, international field-research courses, a Model UN course and international internships.

In addition to your second official language, you can choose to study one of the following modern languages (as your third language of study): Arabic, Chinese, German, Italian, Japanese, Portuguese, Russian or Spanish.

CAREER OPPORTUNITIES
- Departmental assistant in international relations
- Program or project officer
- International development officer
- International policy analyst
- Foreign-service officer

CIVIL LAW AND INTERNATIONAL DEVELOPMENT AND GLOBALIZATION

This French-language, four-year integrated program aims to provide future legal professionals with a comprehensive understanding of issues in international development and globalization, so they can contribute to the practice of law as it affects international cooperation. You receive two separate degrees: a Licentiate in Law (LLL) and an Honours BSocSc in International Development and Globalization. This program begins in the Faculty of Law, Civil Law Section.

CAREER OPPORTUNITIES
The program can lead to legal careers in governmental and non-governmental organizations, humanitarian organizations, international law firms and multinational corporations.

Faculty of Social Sciences professors and students often extend conversations beyond the classroom.
POLITICAL SCIENCE

Political science seeks to describe, analyze, understand and assess the principles and power relations that govern social life. The study of politics revolves as much around the structures and institutions that define these relations and principles as around the ideas and practices that drive them. It explores everything that influences political life and institutions (ideologies, groups, social movements, etc.) on a local, regional, national and international scale.

Our programs offer in-depth training in political science and encourage critical reflection on pivotal issues like citizenship, identity, political participation, globalization and development, governance and the state, and ethics and democracy. A discipline open to many theoretical and methodological approaches, political science is in constant dialogue with other fields. At the University of Ottawa's School of Political Studies, you will build your knowledge in four subfields of political science:

1) political thought 2) Canadian and Quebec politics 3) comparative politics and 4) international relations and global politics.

CAREER OPPORTUNITIES

- Political analyst
- Government programs officer
- Political commentator or columnist
- Public policy analyst
- Survey or poll analyst
- Regional or international development officer
- Departmental officer
- Foreign-service officer
- Lobbyist

POLITICAL SCIENCE AND JURIS DOCTOR

The integrated program in political science and common law (juris doctor) in French aims to educate future legal professionals and political scientists with a comprehensive understanding of the issues and analysis central to these two complementary disciplines. You complete the requirements of the two programs in six years and receive two separate degrees, an Honours Bachelor of Social Sciences in Political Science (with possible mention of French immersion) and a Juris Doctor (JD).

POTENTIAL CAREERS

The program can lead to legal careers in governmental and non-governmental organizations, law firms and different ministries.

PSYCHOLOGY (BA)

Psychology is the science that studies human behaviour and mental processes. It has become one of the richest fields of scholarly and scientific research. The BA in Psychology deals with the fundamentals of psychology, with a particular focus on how we learn, communicate and interact with one another. The program prepares you for graduate studies in experimental psychology, clinical psychology, health sciences, education or administration.

CAREER OPPORTUNITIES

- Counselor
- Child development specialist
- Teacher
- Clinical psychologist
- Research psychologist

PSYCHOLOGY (BSc)

The BSc curriculum deals extensively with pure science fundamentals of psychology with a particular focus on the biological, chemical, physiological and cognitive factors surrounding human and animal behaviour, preparing you for graduate studies in experimental psychology, neuroscience or health sciences.

CAREER OPPORTUNITIES

- Researcher in neuroscience laboratory
- Psychopharmacology researcher
- Research psychologist
- Research assistant
- Neuropsychologist

PUBLIC ADMINISTRATION

The study of public administration seeks to advance our understanding of how governments work and of their role in contemporary societies. It examines public management principles from various perspectives (administration, financial management, human resources, ethics, administrative reforms, governance, etc.) and the processes involved in designing public policies (policy cycle, roles of various stakeholders, ideologies, contextual factors, etc.). The program offers a high-quality education to students seeking a career in the public or broader public sector, as well as those wanting to work in the private or non-profit sector, or in government relations.

CAREER OPPORTUNITIES

- Public administration manager
- Manager in non-profit organization
- Government program administrator
- Public policy analyst
- Business-government relations consultant
- Public relations officer

SOCIAL SCIENCES

In the three-year Bachelor of Social Sciences program, students cover the fundamentals of the social sciences while studying three specific areas of their choice, including at least two from the following areas: anthropology, criminology, economics, political science, psychology, public administration, sociology and women's studies. In addition, the Bachelor of Social Sciences is an excellent springboard to studies in law or education.

CAREER OPPORTUNITIES

- Program or project officer in government or community agencies
- Administrative assistant
- Teacher
- Public servant

SOCIAL WORK

This French-language program trains specialists who provide casework services to groups and individuals and who have a solid grasp of both the theory and the social and political context surrounding social work. Through a combination of classroom instruction and two full practicum terms, you learn to apply intervention techniques to issues of poverty and social inequality (based on sex, ethnicity, physical or mental ability, sexual orientation, etc.).

CAREER OPPORTUNITIES

- Social worker
- Outreach worker
- Community worker
- Social policy analyst
SOCIOLOGY

Sociology, as a discipline, is concerned with understanding social change. It involves the empirical study of societies, exploring institutions and cultures. Sociologists seek to uncover the processes and social relations that produce behaviour and strive to understand the origins and consequences of contemporary social arrangements. In our programs, you apply theoretical approaches to real-world cases and learn how to use powerful quantitative and qualitative research tools (interviews, focus groups, discourse analysis and surveys), all heavily used in the current job environment. The connection between theory and research enables you to develop a critical understanding of a range of contemporary social issues, such as social justice and inequality, ethnic relations, deviance, individual and collective identity, gender relations, international development, social power, and science and technology. An undergraduate degree in sociology prepares you for graduate professional degrees and provides you with skills and resources for a variety of exciting and meaningful career choices.

CAREER OPPORTUNITIES
- Social sciences researcher
- Policy analyst
- Human resources manager

WOMEN’S STUDIES

The Institute of Feminist and Gender Studies offers you exciting interdisciplinary undergraduate and graduate programs that explore questions related to women, gender and feminisms. Our teaching and research deal with such important issues as globalization, transnationalism, sexualities, gender identity, disability, colonialism and racism. Courses blend scientific, theoretical and practical knowledge that contributes to intellectual development and collective efforts for social justice and transformation.

CAREER OPPORTUNITIES
- Community or international development officer
- Program or project officer
- Feminist program coordinator
- Adviser on equity and human rights, women or minorities
- Gender equality specialist

The study of societies and of the dynamic nature of the relationships and systems that characterize them means opening yourself to the world. Our students network with influential thinkers and leaders while benefiting from first-hand involvement and participation in many high-profile events.
FACULTY OF SOCIAL SCIENCES – MINORS

The following disciplines can be added to your main discipline as a minor only once enrolled.

GERONTOLOGY
The Minor in Gerontology combines the study of aging with several disciplines in social sciences, health sciences and the arts. The program, which develops knowledge and practical skills related to aging and seniors, is designed for students interested in health, social services, social policy and research on aging-related issues.

This program can lead to careers in social work, community centres, drop-in centres or government agencies.

GLOBAL STUDIES
The Minor in Global Studies allows students to focus part of their studies on phenomena and processes related to globalization. As massive change sweeps the planet, the ability to grasp the issues involved in globalization is central to fully understanding our society.

This program can lead to careers in international development, politics, diplomacy and immigration.

SOCIAL SCIENCES OF HEALTH
This multidisciplinary minor is for students who want to explore health-related issues from a social sciences perspective. Research on the social determinants of health can shed light on the complex factors that can determine the health of populations. It can reveal key insights into why some people are healthier than others and what contributes to health improvement. The program encourages you to engage in critical dialogue on the social, economic, political, psychological and cultural dimensions of health.

This program can lead to careers in public administration, social and health policy, and community services.
With a focus on fostering entrepreneurship, our faculty is home to over 4,300 undergraduate students enrolled in eight accredited undergraduate programs that provide a top-quality education in engineering and computer science.

- **Programs.** Most are in the top six in Ontario, according to the 2018 QS World University Rankings. The Chemical Engineering program is ranked in the top 150 in the world and top 8 in Canada.

- **Employment rate:** 91.7% of our engineering and 100% our computer science graduates find jobs in their field within two years of graduating. Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate

- **95% CO-OP placement** rate.

- **Focus on design.** The Centre for Entrepreneurship and Engineering Design (CEED) offers design and entrepreneurship education and opportunities for students. Many resources are available to design, build and test products and prototypes, including leading-edge labs, starting in first year.

- **Customize your degree.** Add the Engineering Management and Entrepreneurship option to your program or make it a dual degree with Computing Technology.

- **Extracurricular activities.** Our faculty has a variety of student clubs, associations and competitive teams. You can receive funds for your student project or activity through the Engineering Endowment Fund.

- **Improve your French.** The Extended French Stream is available for Software Engineering and Computer Science.

- **New STEM complex.** Our new Science, Technology, Engineering and Mathematics (STEM) complex opened its doors in September 2018. Engineering students now have access to state-of-the-art facilities and multidisciplinary spaces.
BIOCHEMISTRY AND CHEMICAL ENGINEERING (BIOTECHNOLOGY) CO-OP

Learn how living organisms grow and develop and how we can use this knowledge to design manufacturing processes, chemical products and life-saving drugs. Did you know that proteins, yogurt and biodiesel are all biotechnology products? So are insulin and the chickenpox vaccine, both of which have saved or improved the lives of millions. The Biotechnology program covers the fields of biology, chemistry, mathematics, engineering science and engineering design. Students in this program receive two degrees upon graduation: a BSc in Biochemistry and a BASc in Chemical Engineering.

To be admitted to this program, you must apply to the Faculty of Science.

CAREER OPPORTUNITIES
- Food microbiologist
- Biomedical and biotechnological researcher
- Process engineer
- Patent law officer
- Chemical engineer / biochemist
- Researcher in the biofuel industry
- Bioremediation engineer

BIOMEDICAL MECHANICAL ENGINEERING CO-OP

The Biomedical Mechanical Engineering program aims to graduate engineers who have specialized in the biomedical engineering subfield of mechanical engineering. This subfield includes the design of medical devices, such as artificial hearts, implants and prostheses; the development and selection of bio-compatible metallic and non-metallic materials for implants and medical equipment; robotics for medical applications; biomechanics; and rehabilitation engineering. The program structure parallels that of the regular mechanical engineering program, but replaces eight courses in the regular program with courses that focus on biomedical subjects. The scope of this program is broad, and this provides graduates with a wide range of career choices not only in the biomedical field, but also in conventional mechanical engineering.

CAREER OPPORTUNITIES
- Rehabilitation engineer
- Biomedical engineer
- Mechanical engineer

CHEMICAL ENGINEERING CO-OP

Chemical engineering is at the crossroads of many disciplines. It combines knowledge of basic and applied sciences, economics, and health and safety. Chemical engineering graduates use a series of operations to sustainably process raw natural materials into finished products. They work in any number of industries, and during their careers, they may face a variety of challenges, such as optimizing processes and monitoring pollution, converting renewable energy, processing foods and drugs, and manufacturing new materials.

CAREER OPPORTUNITIES
- Chemical engineer
- Process engineer
- Petrochemical engineer
- Biotechnological engineer
- Environmental engineer
- Renewable energy engineer
- Biomedical engineer
- Patent law specialist

CIVIL ENGINEERING CO-OP

Civil engineers design the infrastructure on which their communities depend, such as buildings and foundations, bridges, canals, dams, transportation facilities, municipal sewer and water networks, and wastewater and solid waste treatment systems. Civil engineering students at the University of Ottawa can take advantage of world-class teaching laboratories, multimedia classrooms and outstanding computer facilities. You will develop expertise in computer applications, field and laboratory testing, and project management, and will be well-equipped to serve your community upon graduation.

CAREER OPPORTUNITIES
- Consulting engineer
- Structural or construction engineer
- Geotechnical engineer
- Environmental engineer
- Water resources engineer
- Municipal engineer
- Research engineer
- Contractor

COMPUTER ENGINEERING CO-OP

Building on a solid foundation of traditional engineering skills, this program covers many different aspects of computer software and hardware design, and allows for more specialized studies in microprocessor-based systems, computer architecture, programming concepts, real-time operating systems, software engineering and robotics. This program provides multiple paths to a variety of careers.

CAREER OPPORTUNITIES
- Hardware designer
- Computer applications engineer
- Wireless and network systems technical manager
- Embedded microsystems engineer
- Software developer
- Systems engineer

Students present their prototype during the annual Design Projects Showcase.
COMPUTER SCIENCE

Computer science at the School of Electrical Engineering and Computer Science combines the study of computation and information processing fundamentals with their application in the world around us. Computer scientists build fast, reliable, scalable and secure software systems to organize and analyze information. The honours curriculum comprises advanced topics in databases, artificial intelligence, computer graphics, security, distributed computing and algorithm design, and culminates in an honours project. This program teaches you how to use your creative and innovative talents to conceive, design and implement software systems. The Extended French Stream (EFS) is available to all students in the program. Our degrees are very flexible and include options, minors and a major, which can be used to explore connections between computer science and many other fields of study.

CAREER OPPORTUNITIES

Software technologies and systems developer in many diverse fields, including entertainment, government and business.

ELECTRICAL ENGINEERING

Electrical engineering is at the heart of today’s exciting advances in technology and plays an integral role in creating every new technology product, through its development, design, manufacture, operation and management. As an electrical engineer, you will work with other engineers or scientists on emerging technologies. The curriculum includes courses in engineering science and design, electronics, circuits, signal processing, semiconductor devices, electric machines and computers. It offers five technical specializations: communications, systems engineering, electronics, microwave and photonic engineering, and power and sustainable energy.

CAREER OPPORTUNITIES

- Electronics and chip designer
- Electromagnetics engineer
- Communications engineer
- Signal-processing engineer
- Product engineer
- Automation engineer
- Avionics engineer
- Biomedical engineer
- Power systems and renewable energy engineer

MECHANICAL ENGINEERING

Mechanical engineers apply the fundamentals of science and math to create practical, useful solutions for a wide range of mechanical, thermal and biomedical systems and devices, from computer parts to power plants, from manufacturing systems to spacecraft. This is a broad-based area of engineering, and graduates find work in almost every industrial sector, including high tech, aerospace, manufacturing, automotive, energy, biomedical and consulting.

CAREER OPPORTUNITIES

- Aeronautical or aerospace engineer
- Automotive engineer
- Manufacturing engineer
- Robotics, automation or controls engineer
- Energy systems engineer
- Biomedical engineer
- Consulting engineer
- Renewable energy engineer

PHYSICS AND ELECTRICAL ENGINEERING

Discover the fundamental laws of nature, and then apply this knowledge in the design of breakthrough technologies that will transform our society. While physics probes big questions, from the origin of the universe to the workings of the quantum world, electrical engineering underlies the technologies that are ubiquitous in our modern world, from power generation to the computer chip. By teaching you the foundations of how nature works, and then how to innovate with this knowledge, this integrated program uniquely equips you to tackle societal and technological problems facing us and future generations. In five years you earn two degrees, in physics and electrical engineering.

To be admitted to this program, you must apply to the Faculty of Science.

CAREER OPPORTUNITIES

- Physicist
- Electrical engineer
- Industrial research and development scientist or engineer
- Materials scientist
- Avionics engineer
- Power systems and renewable energy engineer
- Biomedical researcher or engineer

SOFTWARE ENGINEERING

The Software Engineering program emphasizes innovation and teamwork. It includes a mandatory CO-OP experience to develop practical, solution-driven thinking. During your fourth-year project, you can join a team and leverage your work experience to create real applications; some students even start their own companies. You learn how to apply engineering principles—including rapid prototyping, requirements analysis, system modelling, design, implementation, testing and project management—to develop software. Software engineers are key professionals in fields such as high tech, finance, telecommunications, government, health care, transportation and entertainment. The Extended French Stream (EFS) is also available to students who want to continue in French immersion during their degree.

CAREER OPPORTUNITIES

- Software engineer
- Systems architect
- Computer security analyst
- Quality assurance engineer
- Video game designer
- Mobile application developer
- Systems analyst
- User interface designer
- Telecommunications engineer
The Faculty of Health Sciences trains tomorrow’s professionals and leaders in evidence-based practice, to ensure and promote the health and wellbeing of individuals, families and communities throughout their lifespan.

- A rich and stimulating research environment, giving students and first-rate researchers access to cutting-edge facilities equipped to address society’s ongoing health care challenges.

- A number of partnerships available in the field of health care to provide students with exceptional clinical and career placement opportunities.

- Nursing and Human Kinetics programs among the best in Canada:
  - Nursing: top 41 (world) and top 3 (Ontario) in 2018 (QS World University Rankings)
  - Human Kinetics: top 100 (world) and top 4 (Ontario) in 2018 (QS World University Rankings)

- Located a stone’s throw from government and industry leaders like Health Canada and a vast hospital network

- 93.2% to 96.6% employment rates six months after graduation, exceeding the provincial average

Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate
HEALTH SCIENCES
The Honours Bachelor in Health Sciences lets you study health and related topics from an interdisciplinary perspective, so you can discover innovative ways to examine complex health problems at all life stages, in Canada and around the world. You will be challenged to understand biological, environmental and social factors, both in isolation and as interactive health determinants. You will build on a foundation in biomedical sciences to integrate social and environmental health determinants in the study of health communication, disability and illness and pharmacology. Courses in statistics, quantitative and qualitative approaches to research, epidemiology, and health program development and evaluation will provide significant training in health research methodologies. This program also includes select opportunities to conduct research thesis projects. When you complete the program, you will be well prepared to undertake graduate studies in advanced health areas, including interdisciplinary health sciences, health technologies, epidemiology, biomedical sciences, population and public health, and global health. You can go on to further studies in medicine, rehabilitation studies, dentistry or pharmacy. You can also choose to pursue a career in public or private health agencies, non-governmental health organizations or community health programs. Our interdisciplinary focus will enhance your quality and maturity as a future clinician and health professional.

CAREER OPPORTUNITIES
- Clinical research
- Health promotion evaluation
- Public health
- Health promotion
- Community health
- Occupational health and safety
- Environmental health
- Global health
- Health research
- Disease monitoring and surveillance
- Health policy and regulation
- Health program evaluation

HUMAN KINETICS
The Honours Bachelor of Science with Specialization in Human Kinetics emphasizes the biophysical sciences of human kinetics, with a focus on the role that biological, anatomical, musculoskeletal, and neuro-motor systems have on motor performance, and the impact of sport and physical activity on the body. It provides the knowledge, skills and techniques required for you to play a leading role in developing and implementing evidence-based approaches that maintain and improve human movement, and lead to positive health outcomes for different populations in a variety of settings. While the program focuses on disciplines such as anatomy, biomechanics, exercise physiology, motor control and psychomotor behaviour, it also provides an understanding of how the social sciences contribute to human movement and performance. Students have the opportunity to do experiential education internships in a community venue, or do a research project supervised by faculty. This degree can lead to admission to graduate studies in human kinetics and advanced degrees in allied health and rehabilitation sciences such as physiotherapy and occupational therapy, medicine, or chiropractic studies. Potential additional certifications: College of Kinesiologists of Ontario (Registered Kinesiologist, RKin), Canadian Society for Exercise Physiology (Certified Personal Trainer, Certified Exercise Physiologist).

CAREER OPPORTUNITIES
- Registered kinesiologist
- Certified exercise physiologist
- Rehabilitation team member
- Physical activity counsellor
- Fitness instructor
- Certified personal trainer
- Biomechanics and orthopedic technologies
- Ergonomic assessment

The Honours Bachelor in Human Kinetics emphasizes the social sciences aspects of physical activity, sport, active leisure and health. It provides the knowledge and skills required to play a leading role in developing, promoting and implementing programs, policies and positive lifestyle behaviours for different populations in a variety of settings. Students will have the opportunity to do experiential education internships in a community venue, or do a research project supervised by faculty. Graduates of this program will gain theoretical and applied knowledge from disciplines such as sociology, psychology, pedagogy/coaching, leisure studies and administration, as well as foundational understandings of the basic biophysical aspects of human movement. This program can lead to job opportunities in community recreation and sport; sociocultural studies in leisure and sport; sport and leisure management; coaching in sport; teaching in schools and other settings; sport psychology; and sport, physical activity and health consultancy.

New: Option in intervention, promotion and community programming, and option in management and governance.

CAREER OPPORTUNITIES
- Physical activity and leisure program coordinator
- Sports marketing specialist
- Biomechanics and orthopedic technologies
- Physical Education and health educator
- Health promotion officer
- Recreational therapist
- Sports industry service representative
- Coach
- Sport and physical activity policy analyst

The Human Movement Biomechanics Laboratory is equipped with high technology tools allowing you to perform various tests and analyses. Research laboratories like this help you develop important transferable skills and explore solutions to address current health care needs.
NURSING
The Bachelor of Science in Nursing is offered jointly with two Ottawa-area colleges in both official languages. It seeks to prepare the next generation of nurses to offer quality nursing care and assume leadership roles within the health care system. It educates you to be a generalist nurse who can work in any place offering nursing care, has effective communication skills, can use critical thinking and analytical skills in your practice and is open to lifelong learning. You can complete the Bachelor of Science in Nursing through the following paths: collaborative program with Algonquin College, collaborative program with La Cité, second entry program, bridging program for internationally educated nurses and bridging program for registered practical nurses. French immersion is available. These programs also lead to graduate studies (MSc, MSc—PHCNP, PhD) in nursing at the University of Ottawa.

CAREER OPPORTUNITIES
- General hospitals
- Psychiatric hospitals
- Rehabilitation centres
- Home care

NUTRITION SCIENCES
This four-year program, unique in Ontario, is offered in French for bilingual students, and includes hands-on learning through placements. It provides a stimulating learning environment with a team of dynamic professors actively engaged in research. The program deals with the multiple challenges related to food and nutrition that individuals and societies face today, such as malnutrition here and around the world; the increased incidence of obesity, diabetes and high blood pressure; aging populations; the risk of food contamination; and the complex nature of food services management. This dietetic education program is an accredited program recognized by the Partnership for Dietetic Education and Practice (PDEP) and prepares students for eligibility for registration with a provincial dietetics regulatory body. On receiving your degree, you will be eligible to write the Canadian Dietetic Registration Examination.

CAREER OPPORTUNITIES
- Hospitals
- Community health centres
- Long-term care centres
- Private clinics
- Governmental health promotion agencies
- Sports centres
- Agri-food companies and food services

FACULTY OF HEALTH SCIENCES – MINOR
This discipline can be added to your main discipline as a minor only once enrolled.

LEISURE STUDIES
The Minor in Leisure Studies focuses on individual, community, social and environmental wellbeing. Potential areas of interest include leisure as a social and cultural phenomenon, leisure behaviour, the delivery and management of leisure services, the health benefits of leisure and the environmental impact of leisure. In the process, you will become prepared for a variety of management, programming, planning and leadership positions in the recreation and leisure services field.

FACULTY OF HEALTH SCIENCES – GRADUATE STUDIES

REHABILITATION SCIENCES
The School of Rehabilitation Sciences offers four French graduate professional programs: audiology, speech-language pathology, occupational therapy and physiotherapy. Courses are offered in French and clinical placements take place in Francophone, Anglophone or bilingual environments. Our programs are well-suited to students coming out of French immersion programs.
The Faculty of Science is home to more than 4,500 students. We offer 17 undergraduate and graduate programs in 12 different disciplines. Most undergraduate programs offer a CO-OP option. We give you access to first-class facilities, some recognized as the best equipped in Canada. This includes the Biosciences Complex, home to research and teaching in biology and biochemistry. Add to this our chemistry laboratory, which can accommodate up to 180 students at a time, and our new Science, Technology, Engineering and Mathematics (STEM) complex, and you have a very special science campus.

We offer a mix of teaching methods, from traditional classroom instruction to blended classes, activities in ultramodern labs and field studies with our top-flight researchers.

The Extended French Stream offers you a chance to further develop your French skills and gain a clear advantage in the job market.

• Biology and chemistry programs ranked in the top 3 in Ontario, according to the 2018 QS World University Rankings.

• Environmental science program ranked in the top 4 in Ontario, according to Maclean’s in 2018.

• 85.7% to 92.9% employment rate six months after graduation — exceeds the provincial average

Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate

• Undergraduate Research Scholarships, exclusive to the Faculty of Science

• Many research opportunities for undergraduates

• 95% student CO-OP placement rate

• Andrew Pelling of the Department of Physics recognized by TED as one of the 10 best researchers in the world in 2016 and 2017

• The Science Students’ Association funds seven official clubs such as The Catalyst (a student science journal), and Sci-X (a club dedicated to increasing awareness of career and educational opportunities in science).
**BIOCHEMISTRY**

Unravel the secrets of life! DNA, RNA, proteins and other biomolecules are the keys to life on Earth. The Biochemistry program will introduce you to the structure and function of the essential biomolecules that make up all cells. By understanding how cells function at a molecular level, you will acquire the knowledge needed to understand human health and disease, design new drugs and develop innovative industrial processes. Options in chemical biology, microbiology and immunology, and synthetic biology are available. Graduates have an interdisciplinary, molecular level understanding of biological science and are well positioned to pursue graduate studies in biochemistry and related disciplines, or further training in any medical or health profession.

**CAREER OPPORTUNITIES**
- Biochemist
- Clinical laboratory technologist
- Diagnostic developer
- Patent law officer
- Food microbiologist
- Health care administrator
- Forensic scientist

**BIOCHEMISTRY AND CHEMICAL ENGINEERING (BIOTECHNOLOGY)**

Learn how living organisms function at the molecular level and how we can use this knowledge to create new manufacturing methods, chemical products or lifesaving drugs. Cheese, yogurt and beer are all biotechnology products. So are insulin and the chickenpox vaccine, which have saved or improved the lives of millions. The Biotechnology program covers biology, chemistry, mathematics and other fundamental areas. This five-year program allows students to receive two degrees, one in chemical engineering and one in biochemistry.

**CAREER OPPORTUNITIES**
- Food microbiologist
- Biomedical and biotechnological researcher
- Process engineer
- Patent law officer
- Chemical engineer / biochemist
- Researcher in the biofuel industry
- Bioremediation engineer

**BIOLOGY**

Biology is the study of living things, from primitive single-celled organisms resembling the earliest life on Earth to entire ecosystems. Our program begins with cells and organisms, followed by genetics, ecology, plants and animals. You can then continue with a broad perspective, or specialize with an option in cellular and molecular biology, physiology or ecology/evolution/behaviour. We emphasize experimental work in state-of-the-art teaching and research laboratories, as well as fieldwork locally (e.g., at Mer Bleue Bog) and further afield (e.g., in Tanzania). An immersive research experience, the Research Focus, is offered from the third year to students considering a career in research. Our program prepares students for graduate studies, professional schools and scientific careers.

**CAREER AND STUDY OPPORTUNITIES**
- Wildlife biologist
- Researcher in university, government or industry laboratories
- Policy analyst
- MSc and PhD programs
- MD and paramedical programs
- Environmental scientist
- Forensic scientist

**BIOMEDICAL SCIENCE**

The interdisciplinary program in Biomedical Science combines the foundational study of human and animal structure and function. The first two years provide a background in anatomy and psychology, in addition to biology, biochemistry, chemistry, genetics and mathematics. An immersive research experience, the Research Focus, is offered in the third year and is aimed at students considering a career in research. Through the combination of additional courses in the Faculty of Science and in the humanities, students may structure a program emphasizing aspects of health and diseases or can choose one of the following five options: Bioanalytical Science, Biostatistics, Cellular and Molecular Medicine, Medicinal Chemistry and Neuroscience. The program prepares students for more advanced research or applied training in health-related fields.

Co-operative Education Program (CO-OP) is available in second year.

**CAREER OPPORTUNITIES**
- Health professional programs (medicine, dentistry, pharmacy, etc.)
- Public health administration
- Pharmacological chemist
- Health policy researcher and consultant
- Toxicologist
- Research assistant/technician
- Bioanalytical chemist

**BIOPHARMACEUTICAL SCIENCE**

This interdisciplinary program combines basic studies in molecular biology, biochemistry, pharmacology and organic chemistry. After second year, you choose between two options: Genomics, a branch of molecular biology dealing with genome structure and functions, and Medicinal Chemistry, the science of drug discovery. Graduates from both streams are well positioned to enter any area of the growing health care sector – from biomedical research and biopharmaceuticals development to drug manufacturing and regulation – or to be admitted to advanced studies (MSc and PhD) or professional schools (pharmacy, medicine, dental, etc.).

**CAREER OPPORTUNITIES**
- Pharmacological chemist
- Bioinformatician
- Toxicologist
- Pharmaceutical sales representative
- Bioanalytical chemist
- Quality assurance (QA) / quality control (QC) officer
- Health professional programs (medicine, dentistry, pharmacy, etc.)

**CHEMISTRY**

What in the world isn’t chemistry? Chemistry is known as the “central science,” since it is an essential component within a wide variety of other scientific disciplines, such as biochemistry, biology, physics, geology and medicine. This program, offered through our internationally acclaimed Department of Chemistry and Biomolecular Sciences, explores advanced concepts that deal with chemistry, both qualitatively and quantitatively, from reactions involving single atoms to the most complex biomolecules. This knowledge can be applied to nanotechnology, new and improved drugs and materials, and novel chemical processes. Specialized options in Advanced Materials and in Ecochemistry are unique to uOttawa. Our program is delivered by world-renowned researchers and lecturers using a variety of unique and innovative teaching methods.

**CAREER OPPORTUNITIES**
- Pharmaceutical chemist
- Materials chemist
- Instrument technician (such as mass spectrometrist)
- Environmental analytical chemist or consultant
- Police and border services forensic chemist
- Safety evaluator for food pesticides and additives
- Patent lawyer
ENVIRONMENTAL SCIENCE CO-OP

Our civilization has a serious impact on nature, one that is increasing with the growth of the world’s population. The Environmental Science program studies this impact, as well as potential solutions, from a scientific perspective. Our teaching involves a mix of lectures, labs and field study. The program focuses, on the way we use natural resources and the most pressing environmental problems we face. You must choose one of three options: Conservation and Biodiversity, Environmental Geochemistry and Ecotoxicology, or Global Change. Our program is accredited by ECO Canada.

CAREER OPPORTUNITIES

- Environmental consultant
- Environmental impact assessor
- Environmental program development supervisor
- Natural resources planner or environmental policy analyst
- Conservation biologist
- Water-quality specialist
- Researcher

GEOLGY CO-OP

Geologists or earth scientists study the Earth, including its composition, physical and biological evolution. You learn how to analyze Earth materials, probe the Earth from its surface to its core, and model the processes that produced and currently shape its oceans and continents. You also learn about natural resources (water, metals, minerals, petroleum and gas), natural hazards (earthquakes, tsunamis, volcanic eruptions, landslides) and natural environments, among other topics. Our programs are a balance of field-based learning, and theoretical and analytical investigations that have direct relevance to the needs of society. The course requirements fulfill professional accreditations of the Association of Professional Geoscientists of Ontario (AGPO) and l’Ordre des géologues du Québec (OGQ).

CAREER OPPORTUNITIES

- Groundwater hydrogeologist
- Geophysicist
- Geochemist
- Volcanologist
- Mining and mineral exploration
- Environmental geoscientist
- Petroleum geologist

MATHEMATICS CO-OP

Mathematics is much more than numbers and formulae! It is a highly creative field of study that marries precision with intuition and imagination with logic, to produce problem-solving tools. Advances in mathematics lie behind many discoveries that drive the most current technological innovations. Many students do federal government internships and research during their degree. Our programs can be completed in either English, French, or a combination of both, a unique offering in Canada.

For the joint honours in Computer Science and Mathematics, you must apply through the Faculty of Engineering.

CAREER OPPORTUNITIES

- Math modeller
- Cryptographer
- Logistics specialist
- Mathematician
- Math teacher

FINANCIAL MATHEMATICS AND ECONOMICS CO-OP

Financial decisions rely mostly on quantitative models. Advanced knowledge of mathematics, economics and finance is required. The Joint Honours in Mathematics and Economics focuses on the use of mathematics in economics, while the Honours in Financial Mathematics and Economics provides unique, well-balanced training from experts in three disciplines, in conjunction with the Department of Economics and the Telfer School of Management. Both programs can lead to positions in financial institutions and governmental agencies. Our graduates get offers from top graduate schools for studies in econometrics and finance. Programs can be completed in either English or French, or a combination of both.

CAREER OPPORTUNITIES

- Investment analyst
- Econometrician
- Quantitative financial analyst
- Credit risk analyst
- Actuary

MUSIC AND SCIENCE

Do you love music and science? Would you like to develop your musical abilities to their full potential while doing advanced studies in science? Now you can, thanks to this double degree offered jointly by the University of Ottawa’s faculties of Arts, Science and Engineering. Gain in-depth knowledge and pursue rigorous training in music and science.

To be admitted to this program, you must apply to the Faculty of Arts.

CAREER OPPORTUNITIES

Music
- Musician, performer, teacher (in a private studio or in a school) and all the other career opportunities related to a music degree

Science
- Careers in biology, biochemistry, geology, mathematics, physics or statistics, depending on which program you choose

OPHTHALMIC MEDICAL TECHNOLOGY

The complexity of ophthalmic medicine has been growing steadily and, with it, the demand for well-trained allied health specialists in this critical area of eye care. Working with the latest technologies as part of the health care team at the University of Ottawa Eye Institute, you will receive an integrated education to prepare you for challenging and rewarding careers. Graduates play a key role in enhancing ophthalmic health care in Canada and worldwide. The program begins with two years of core sciences, followed by third- and fourth-year studies dealing specifically with ophthalmology and visual science. The last two years of the program are completed on site at the Eye Institute, at the Ottawa Hospital.

CAREER OPPORTUNITIES

Technician in:
- Private ophthalmology offices
- Hospitals or institutions
- Clinical research
- Pharmaceutical and medical industries
- Laser refractive clinics
- Researcher
PHYSICS

Lecturers include world-leading researchers in photonics, biophysics and materials science. They will teach you about subatomic particles, living cells, distant galaxies, the Earth’s climate and more. Be the first to use state-of-the-art facilities, where you will be trained to design, build and computationally analyze physical systems. Prepare for the National Capital Region’s vibrant high-tech and health science sectors with an honours option in photonics or biophysics, two areas where our department is top ranked. Thanks to a low 5:1 student-faculty ratio, undergraduates work hands-on with instructors and have the opportunity to do cutting-edge scientific research early on.

CAREER OPPORTUNITIES
• Materials science specialist or researcher
• Photonics specialist or researcher
• Biophysicist
• Medical physicist
• Astrophysicist
• Physics teacher

PHYSICS AND ELECTRICAL ENGINEERING

In five years, you will earn two degrees, an honours BSc in physics and a BASc in electrical engineering. While physics probes big questions, from the origin of the universe to the workings of the quantum world, electrical engineering underlies the technologies that are ubiquitous in our modern world, from power generation to the computer chip. Subjects include signal processing, circuits, quantum physics, astrophysics, and thermodynamics. Students choose one of the electrical engineering technical specializations (e.g., communications, microwave, electronics, etc.). This program will teach you the foundations of how nature works, and then how to innovate with this knowledge.

CAREER OPPORTUNITIES
• Physicist
• Electrical engineer
• Industrial research and development scientist or engineer
• Materials scientist
• Avionics engineer
• Power systems and renewable energy engineer
• Biomedical researcher or engineer
• Communications engineer

STATISTICS

Every field of research is feeling the impact of large volumes of data. Every business, government department and non-governmental organization is collecting data about its clients and products. To navigate the world of data, you need advanced statistical skills. Our Honours, Major and Minor in Statistics provide extensive training with many internship opportunities. Graduates find jobs in industry or government, in particular, with Statistics Canada. The program is accredited by the Statistical Society of Canada and graduates can apply for A.Stat. designation. Programs can be completed in either English or French, or a combination of both.

CAREER OPPORTUNITIES
• Data scientist
• Statistician
• Business intelligence analyst
• Data analyst

FACULTY OF SCIENCE — MINORS

These two disciplines can be added to your main discipline as a minor only once enrolled.

BIOPHYSICS

The University has one of Canada’s highest concentrations of experimental and theoretical biophysics research. The Minor in Biophysics gives you a valuable introduction to this growing interdisciplinary field. While it is intended primarily for life science students, it is also suitable for other non-physics students interested in the intersection of physics, biology and engineering. You will learn about the physics of living cells, genetic and cellular networks, neurons, membranes, bio-sensing and more. This minor will help prepare you for jobs in the National Capital Region’s vibrant health science research sector.

LIFE SCIENCES

The Minor in Life Sciences gives students who carefully choose their optional courses the prerequisites to apply to schools of medicine, dentistry or pharmacy. This minor meets the uOttawa medical school prerequisites. However, you should carefully check the admission requirements of other medical schools you are considering. This minor cannot be combined with other life sciences programs (Biochemistry, Biology, Biomedical Science) as they already cover the material of the minor and more fully prepare students thinking of entering life science-based professions.
The largest law school in Canada, the Faculty of Law at the University of Ottawa is divided into two independent sections, Civil Law and Common Law. Our students are recognized nationally and internationally for their performance in moot competitions, while the rigours of law studies are balanced by an active campus life, with more than 40 student clubs and organizations.

- Located within walking distance of the Department of Justice, the Supreme Court of Canada, Parliament Hill, federal government buildings and many major law firms and global organizations.
- National Program: the only program in Canada to offer common law and civil law programs in both official languages.
- Doing your undergraduate degree at uOttawa pays off! Each year, uOttawa students represent about a quarter of students admitted in our Common Law program.
- 91.8% employment rate six months after graduation
  Source: Based on data for 2013 graduates. uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate
- The Ian G. Scott Courtroom, a state-of-the-art facility, offers students unique experiential learning opportunities. An adjoining classroom allows students to observe and comment on actual legal hearings from behind one-way glass.
- Both law sections are located in Fauteux Hall, along with the Brian Dickson Law Library, with study areas reserved for law students.
- With five level 1 Canada Research Chairs (CRCs) in 2017, the Faculty of Law — the only faculty to hold this many CRCs in the field of law — is one of the country’s uncontested leaders in law research.
- Numerous uOttawa law school graduates have received prestigious honours and awards, including membership in the Order of Canada and the Royal Society of Canada, and many have reached the highest levels of public service and the judiciary.
- Ranked in the top 150 in the world, top 7 in Canada and top 3 in Ontario, according to the 2018 QS World University Rankings.
COMMON LAW SECTION

Common law refers to a legal system greatly influenced by judge-made law. It is the system of law everywhere in Canada except Quebec, as well as in major jurisdictions such as England, Australia and the United States. The Common Law Section offers one of the richest sets of course offerings in the world in a wide variety of areas, including international law, social justice, law and technology, environmental law, public law, health law, aboriginal law and dispute resolution. You can study common law in English, French or both.

Our curriculum prepares you for whatever you want to do with your law degree. We educate constitutional lawyers for the Supreme Court, international lawyers for the world over, business lawyers for Bay Street and general practitioners for Main Street. Our objective is to provide a full service legal education, complemented by areas of specialization that reflect our faculty strengths and our location in the nation’s capital. Our programs concentrate on more than just the letter of the law; we address the spirit of the law and the ideal of justice. In our view, the program should respect and promote the multilingual, multicultural and multiracial characteristics of those studying in it and Canadian society in general. Our students are Canada’s future leaders.

MAIN PROGRAMS

There are three main avenues leading to the common law Juris Doctor (JD) degree:

- English Common Law program
- French Common Law program
- National Program: Offered separately by the Common Law and Civil Law sections, the National Program allows students from one section to receive training and accreditation in the other in a unique, eight-month program designed to provide a complete bilingual, bijural education in Canada’s common and civil law traditions. The National Program also accepts applicants with law degrees from other Canadian universities.

ADMISSION REQUIREMENTS

Juris Doctor (English program)
- Three years of undergraduate studies
- A- (80%) average
- Law School Admission Test (LSAT)

Juris Doctor (French program)
- Three years of undergraduate studies
- A- (80%) average

National Program – JD
- LLL from a Canadian civil law school

Juris Doctor (JD)-Bachelor of Social Sciences (BSocSc) in Political Science (in French)
- Must meet admission requirements of both disciplines

Juris Doctor (JD)-Bachelor of Commerce (BCom) (in French)
- Must meet admission requirements of both disciplines

Programme de droit canadien (in French)
- Three years of undergraduate studies
- A- (80%) average

For more information, visit the Common Law website.

INTEGRATED PROGRAMS

In addition to offering common law JD degrees through the French, English and National programs, the Common Law Section offers the following double degree programs, allowing students to earn multiple degrees in a reduced timeframe:

- Programme de droit canadien (in French), offered jointly with the Civil Law Section
- JD-BSoSc in Political Science, offered jointly with the Faculty of Social Sciences (in French)
- JD-MA in International Affairs, offered jointly with Carleton University’s Norman Paterson School of International Affairs
- Canadian-American Dual JD program, offered jointly with the American University Washington College of Law or the Michigan State University College of Law
- JD-MBA, offered jointly with the Telfer School of Management
- JD-BCom, offered jointly with the Telfer School of Management (in French)

CAREER OPPORTUNITIES

- Practising lawyer (barrister or solicitor)
- Legal counsel for public or private sector
- Mediator or negotiator
- Lobbyist or public affairs officer
- Agent for sports or entertainment clients
- Diplomat or foreign affairs adviser
- Politician
- Tax specialist

Many of our professors have contributed to the transformation of Canada’s legal systems as well as the ways in which law is practised, taught and imagined.
CIVIL LAW SECTION

Civil law comprises the basic rules of human activity, which are partially described in a civil code of laws. It applies in Quebec and in several non-Anglophone countries around the world. Students graduate with an LLL and can be admitted to Quebec’s École du Barreau or the notarial law master’s program.

MAIN PROGRAMS

• Civil Law (in French)
• Programme de droit canadien (in French) (students earn both a JD and an LLL)

INTEGRATED PROGRAMS

• Licentiate in Law (LLL) (in French) and Bachelor of Social Sciences (BSocSc) in International Development and Globalization, offered jointly with the Faculty of Social Sciences
• Licentiate in Law (LLL) (in French) and Master of Business Administration (MBA), offered jointly with the Telfer School of Management

CAREER OPPORTUNITIES

• Lawyer
• Notary
• Foreign affairs adviser
• Legal adviser
• Diplomat
• Tax attorney
• Journalist
• Lobbyist or public affairs officer
• Mediator or negotiator
• Politician
• Law professor/researcher
• Sports or entertainment agent

MAIN AREAS OF EMPLOYMENT

• Law or notary office
• In-house counsel
• Government
• Financial institutions
• Legal aid organizations
• International organizations
• Non-profit organizations

ADMISSION REQUIREMENTS

Licentiate in Law (LLL in French)
• Quebec CEGEP diploma (DEC), a College of Applied Arts and Technology (CAAT) two-year diploma or 30 university units (credits)
• A- (80%) average

Licentiate in Law (LLL in French) and Bachelor of Social Sciences (BSocSc) in International Development and Globalization
• Quebec CEGEP diploma (DEC), a College of Applied Arts and Technology (CAAT) two-year diploma or 30 university units (credits)
• A- (80%) average

Licentiate in Law (LLL) – National Program
• JD or LLB from a Canadian law faculty

Licentiate in Law (LLL) – Master of Business Administration (MBA)
• Meet the admission requirements of both programs
• Have a bachelor’s with an average of B (70%) in the final two years of full-time study, or the equivalent

For more information, visit the Civil Law website.
Do you like learning, facing new challenges every day and sharing your knowledge? Our Teacher Education and *Formation à l’enseignement* programs are just for you. Teaching is a profession that’s constantly changing, offering daily challenges and new knowledge. It means learning alongside students, parents and colleagues.

Enjoy a unique opportunity to work with a team of educational leaders who have strong research relationships and professional partnerships with local, national and international communities.

- 98.9% graduation rate, exceeding the provincial average
- Employment rates that exceed the provincial average:
  - six months after graduation: 91.5%
  - two years after graduation: 96.8%
  
  Source: Based on data for 2013 graduates. [uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate](http://uOttawa.ca/institutional-research-planning/resources/facts-figures/performance-indicators/employment-rate)

- Ranked 7th in Canada and top 2 in Ontario, according to *Maclean’s*.
- Ranked in the top 200 (world) and top 2 (Ontario) in the 2018 QS World University Rankings
- Doing your undergrad at uOttawa pays off! Each year, uOttawa students represent about a third of students admitted into our Teacher Education program.
TEACHER EDUCATION

The Teacher Education program is a consecutive two-year full-time program beginning in September, and concluding 20 months later in April with a Bachelor of Education. It affords you a unique opportunity to gain the theoretical and practical skills needed to teach in English-language elementary or secondary schools and be recommended for certification by the Ontario College of Teachers. These skills include setting educational objectives, designing and evaluating curricula, and planning creative and innovative lessons for 21st century classrooms. You complete two placements in schools (practica), for a total of 80-to-90 days of school-based teaching experience. You also participate in community service learning placements that extend your learning outside the classroom setting (e.g., in national museums, international venues or early childhood education settings).

The Teacher Education program is divided into three divisions: Primary/Junior (kindergarten to Grade 6), Junior/Intermediate (Grade 4 to 10) and Intermediate/Senior (Grade 7 to 12). In all three divisions, you learn necessary educational theory and explore relevant research that enables you to prepare future citizens for the social, economic and technological demands of the knowledge economy.

SECOND LANGUAGE TEACHING

These multidisciplinary undergraduate programs are the only ones of their kind in Canada. Courses cover theories of language acquisition, as well as second language learning and teaching, and explore the relationships between language, culture and society. What’s more, when you graduate, if you want to work as a second language teacher and you meet the admission requirements of the Faculty of Education, a limited number of places are reserved for you in the Teacher Education (BEd) program. Several graduate program options are also available.

CAREER OPPORTUNITIES

- English or French as a second language teacher
- Second-language monitor or tutor
- Public policy analyst
- Cultural or international adaptation specialist
- Pedagogical material developer

FORMATION À L’ENSEIGNEMENT

The Faculty of Education also offers teacher education in French, the Formation à l’enseignement program. For more information, visit the Faculty of Education website.

TEACHER EDUCATION

ADMISSION REQUIREMENTS

- A three-year undergraduate degree from a recognized university
- Minimum average of 70% on your top 20 single-term (or equivalent) undergraduate courses
- Relevant experience
- Proof of English proficiency (if applicable)
- French language proficiency test (for the FSL option)
- Course requirements for the division or teaching subjects, as applicable:
  - Primary/Junior (P/J) level:
    We recommend that applicants have successfully completed at least one single term university course in each of the following five subject groupings: English/Linguistics/Languages, Mathematics/Statistics, Physical Sciences/Life Sciences, Social Sciences/Humanities, Visual Arts/Music/Drama
  - Primary/Junior French as a Second Language option (P/J FSL):
    In addition to the recommended courses above, you must have completed six one-term (or equivalent) university courses, for example, in French language or French literature.
  - Junior/Intermediate (J/I) level:
    Six courses to support your teaching subject
  - Intermediate/Senior (I/S) level:
    Ten courses to support your first teaching subject and six courses to support your second teaching subject

For more information, visit the Faculty of Education website.
The only bilingual medical faculty in Canada, the Faculty of Medicine has grown to become one of our nation’s leaders in medical education and research. We are committed to excellence in education and health research and to supporting our vibrant student body, among the best and brightest in Canada.

The Faculty is affiliated with several world-class hospitals and research facilities. We train physicians and scientists who, in addition to practising their professions, serve society by being fully engaged in the design and management of the health care systems of the future.

Students studying science work in our basic, clinical and population research programs alongside internationally acknowledged leaders in their fields. Our local affiliated partners and research institutes, together with professors in the basic sciences departments, offer a vast and unique blend of research possibilities for students interested in a career in biomedical and population sciences.

Our international partnerships and Global Health Program inspire students, clinicians, researchers and professors to become truly global citizens. We are proud to be a founding partner of the Ottawa-Shanghai Joint School of Medicine, the world’s first Sino-Canadian medical school. Our Medicine and Humanities International program was established through an agreement with major international partners including the Shanghai Jiao Tong University School of Medicine, Université de Lyon and Shanghai University of Traditional Chinese Medicine.

Quick facts
- 2,742 clinicians and researchers
- 656 Undergraduate Medical Education (MD) students
- 568 graduate students and postdoctoral fellows
- 1,192 Postgraduate Medical Education residents and fellows
- 6 affiliated research institutes
- 5 partner teaching hospitals
UNDERGRADUATE MEDICAL EDUCATION (MD)
Our Faculty of Medicine was established in 1945, and is the only medical school in North America that offers its program in both English and French. Our highly regarded curriculum focuses on developing the key competencies necessary for our students to become leaders in health care delivery. Students learn through contact with patients in hospital, community, rural and international settings. The program spans 147 weeks of instruction, two years of pre-clerkship and two years of clerkship. On completion, students receive a Doctor of Medicine degree (MD).

CAREER OPPORTUNITIES
- Family physician
- Surgical or non-surgical specialist
- Health researcher
- Health care administrator

TRANSLATIONAL AND MOLECULAR MEDICINE (TMM)
The Bachelor of Science with Honours in Translational and Molecular Medicine (TMM) is a unique collaborative effort between Faculty of Medicine researchers and affiliated institutes. The program integrates theoretical and practical courses with e-learning, offering students an enriching educational environment and exposing them to innovative research throughout their studies. TMM offers the largest number of advanced laboratories for an undergraduate science program in Canada. Students are taught by both basic scientists and clinicians, providing them with the skillsets required to perform cutting-edge biomedical research.

CAREER OPPORTUNITIES
- Biotechnology companies
- Pharmaceutical manufacturers
- Government agencies
- Medical and health care facilities
- Scientific consulting firms

COMBINED MD/PHD PROGRAM
The MD/PhD program offers exceptional students the opportunity to pursue two degrees over seven years. Based on a single integrated curriculum, it combines our existing undergraduate medical school curriculum with approved doctoral programs. The program begins with entry into the MD Program for the first two years, with students beginning their PhD courses and research during their first two summers. They continue to PhD studies for the next three years, followed by a return for the final two years of the MD Program. Students receive a Doctor of Medicine and a PhD degree upon completion.

CAREER OPPORTUNITIES
- Basic science or disease-oriented researcher
- Patient-focused researcher
- Health care policy-maker
- Pharma/biotechnology researcher
- Surgical or non-surgical specialist
- Health researcher
- Clinician/scientist
- Health care administrator

GRADUATE STUDIES
Learn, discover and work in an exciting, creative, challenging and diverse environment. The hospital-based research institutes located in Ottawa, together with professors in the basic science departments, offer a vast and unique blend of research possibilities for students interested in a career in the life sciences.

We offer graduate programs in
- Biochemistry
- Cellular and Molecular Medicine
- Epidemiology
- Microbiology and Immunology
- Neuroscience
- Population Health Risk Assessment and Management

Collaborative programs are available in
- Bioinformatics
- Human and molecular genetics
- Pathology and experimental medicine

CAREER OPPORTUNITIES
- Researcher or writer
- Patent officer
- Professor
- Technologist
- Pharmaceutical company representative
- Hospital-based research and management

Faculty of Medicine students have access to numerous research labs. The Faculty has more than 500 basic and clinical researchers with a wide range of interests, including neuroscience, cardiovascular disease, and stem cell biology.
Faculty of Medicine students work with the Faculty’s many researchers, including Dr. Diane Lagace, whose research interests include neurogenesis and stroke recovery.

ADMISSION REQUIREMENTS

UNDERGRADUATE MEDICAL EDUCATION (MD)

• Prior to the June preceding registration, applicants must have completed a minimum of three years of full-time undergraduate studies at a recognized university in a program leading to a bachelor’s degree, including the following prerequisite subjects (taken as either term or full year courses):

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>AS TERM COURSES</th>
<th>AS FULL YEAR COURSES</th>
<th>LABORATORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities/social sciences</td>
<td>2</td>
<td>1</td>
<td>No</td>
</tr>
<tr>
<td>Biology or zoology</td>
<td>2</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>General chemistry</td>
<td>4*</td>
<td>2*</td>
<td>Yes</td>
</tr>
<tr>
<td>Organic chemistry</td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Biochemistry</td>
<td></td>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

* Cannot be all in the same subject

• Prerequisite courses in sciences must be completed with a minimum Grade of B (CEGEP equivalent 70%)

• All applicants to the MD Program are required to pass an online assessment (CASPer™)

TRANSLATIONAL AND MOLECULAR MEDICINE (TMM)

• Two years of undergraduate science education or the equivalent (60 units/credits) with a minimum CGPA of 7.7

COMBINED MD/PHD PROGRAM

Applicants must meet the same eligibility criteria as for the MD Program; as well, the following are recommended:

• A proven record of undergraduate research
• A master’s degree in science (MSc)
• Be currently enrolled in a master’s program and have the necessary background requirements for the chosen PhD program of study

GRADUATE STUDIES

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>TYPE</th>
<th>ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology</td>
<td>MSc</td>
<td>Honours BSc (or equivalent) with specialization or major in a discipline relevant to epidemiology (life science or behavioural science) or a four-year degree in a health profession</td>
</tr>
<tr>
<td>PhD</td>
<td>MSc with thesis in epidemiology or closely related discipline such as biostatistics or populated-based genetics</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>MSc</td>
<td>Honours bachelor’s with specialization or major in science, an MD or a DVM (Doctor of Veterinary Medicine)</td>
</tr>
<tr>
<td>PhD</td>
<td>MSc or equivalent</td>
<td></td>
</tr>
<tr>
<td>Microbiology and Immunology</td>
<td>MSc</td>
<td>Honours BSc (or equivalent) with a specialization or major in biochemistry, biology or microbiology</td>
</tr>
<tr>
<td>PhD</td>
<td>MSc in microbiology or immunology (or equivalent)</td>
<td></td>
</tr>
<tr>
<td>Cellular and Molecular Medicine</td>
<td>MSc</td>
<td>Honours BSc (or equivalent) with a specialization or major in biology, biochemistry, pharmacology, physiology, biopharmaceutical or biomedical sciences, or human kinetics</td>
</tr>
<tr>
<td>PhD</td>
<td>MSc with a background in biology, biochemistry, human kinetics, pharmacology, physiology or biopharmaceutical sciences</td>
<td></td>
</tr>
<tr>
<td>Neuroscience</td>
<td>MSc</td>
<td>Honours BSc or equivalent</td>
</tr>
<tr>
<td>PhD</td>
<td>MSc or equivalent</td>
<td></td>
</tr>
<tr>
<td>Population Health Risk</td>
<td>Graduate Diploma</td>
<td>Honours BSc (or equivalent) in science, health sciences or social sciences</td>
</tr>
</tbody>
</table>
Select a program
Select the faculty and discipline you wish to apply to.

Fill out your application
Apply online via the Ontario Universities’ Application Centre (OUAC) at ouac.on.ca. Information about the admission process, deadlines, required documents and prerequisites is available on the University of Ottawa website.

APPLYING FOR CO-OPERATIVE EDUCATION (CO-OP)
You can receive a notice of admission into CO-OP when you apply to uOttawa if you have an average of at least 80% (at least 75% if you have completed two years of CEGEP) and if you checked off the CO-OP box on your OUAC admission form. You may also apply for CO-OP at the beginning of your second year. Please note that CO-OP work terms usually start the summer after your second year of studies.

APPLYING FOR FRENCH IMMERSION
You can apply for French immersion if you have previously studied French as a second language. You must also pass the University of Ottawa’s Immersion Admission Test or hold a Diplôme d’études en langue française (DELF), Level B1 or higher.
To apply for French immersion, select “YES” for French immersion when submitting your application through OUAC. French immersion is available only in programs offered in English to non-Francophone students.

Submit documentation
If you’re studying at a high school in Ontario or British Columbia, or at a CEGEP, your official transcript will be sent to us automatically through OUAC. If you’re studying elsewhere, you must submit your transcript on your own. Submit all required documents through uoDoc, in uoZone.

COMPLETE A DECLARATION OF PERSONAL EXPERIENCE
Admission to the University of Ottawa is not just based on your average. If you’ve faced challenges that have affected your progress and grades but have helped you develop other skills and aspects of your life, tell us about your journey. You can find a link to the form in your admission file, in uoZone. You are not required to complete the form. Do not complete it if your average is equal to or higher than the admission average indicated for your program. To find out when your form will be assessed, see our website.

Receive your offer(s) of admission
We begin sending out offers of admission in December. An offer is not made until we’ve received all required documentation. Offers can be viewed in your admission file in uoZone.

For a list of important dates and specific details on how to apply for admission at the University of Ottawa, visit uOttawa.ca/admission
Admission to undergraduate programs requiring prior postsecondary studies

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND ADDITIONAL REQUIREMENTS</th>
</tr>
</thead>
</table>
| **Translation (Faculty of Arts)** (two-year program) | • Undergraduate degree  
• Entrance examination |
| **Nursing (Faculty of Health Sciences) (second-entry)** | • At least 60 units (credits) of university-level studies, including at least six units in human anatomy and physiology (courses must cover all major body systems), six units in social sciences, three units in arts and humanities, three units in research methods and three credits in statistics  
• The anatomy, physiology and statistics courses must have been completed in the six years prior to admission to the program. |
| **Nursing (Faculty of Health Sciences and Algonquin College-Woodroffe Campus)** | • Ontario college diploma in practical nursing  
• One year (900 hours) of work in a related field  
• Awarding of a prior learning assessment and recognition from Algonquin College (Woodroffe Campus)  
• Biology 4U (minimum 65% required), Chemistry 4U (minimum 65% required) and one of the following: Functions 3M, Functions 3U or one Mathematics 4U course |

Admission with advanced standing

*Advanced standing is typically awarded in the offer of admission.*

**INTERNATIONAL BACCALAUREATE (IB)**
If you’re a student in an IB program, you’re eligible for admission if you complete the program with a score of at least 29 and have the prerequisites for the uOttawa program you’ve chosen. You can also receive advanced standing for higher-level subjects you’ve passed with a score of 5 or more. Awarding of advanced standing also depends on the program to which you’re admitted.

**ADVANCED PLACEMENT (AP) PROGRAM**
You can receive up to 30 units (10 one-term courses) of advanced standing for AP courses, provided you’ve received a minimum score of 4 in each subject. Awarding of advanced standing also depends on the program to which you’re admitted.

**CEGEP**
You can receive up to 15 units of advanced standing if you’ve successfully completed 12 CEGEP courses (excluding Physical Education and make-up courses). If you’ve completed more than 12 CEGEP courses, you may be eligible to receive up to 30 units of advanced standing, which usually represents one year of study at the university level. Awarding of advanced standing is dependent on the courses you’ve completed, the grades you’ve achieved and the program to which you’re admitted.

Other academic pathways

For information on our admission policies for college applicants, university transfers, home-schooled applicants, mature applicants (applicants without postsecondary education who have been away from school for at least two years) and Canadian applicants studying abroad, please refer to our Undergraduate Admissions website.

Language requirements

If you’re applying for an English-language program and have not studied at least three years full time in an institution where English is the only language of instruction in a country where English is an official language, you must submit your official score in one of the language tests below recognized by the University. The English 4U course or an equivalent course is still mandatory. Please note that even if you obtain the required score, there is no guarantee of admission. In addition, we reserve the right to require you to complete language courses if we feel that your knowledge of one of Canada’s two official languages is not satisfactory. Test scores are valid for two years.

<table>
<thead>
<tr>
<th>TEST REQUIRED</th>
<th>OVERALL SCORE REQUIRED</th>
<th>REQUIRED SCORE IN WRITTEN SECTION</th>
</tr>
</thead>
</table>
| TOEFL (Test of English as a Foreign Language)  
University of Ottawa Institution Code 0993 toefl.org | Internet: 86  
Paper-based, no overall score; listening: 20, reading 20 | 22 22 |
| University of Ottawa CanTEST cantest.uOttawa.ca | Average, listening and reading tests: 4.5 | 4.0 |
| IELTS (International English Language Testing System) ielts.org | 6.5 | 6.5 |
| EPT (English Placement Test — International English Language Testing System) cambridgemiichigan.org/melab | 90 | 85 |
| CAEL (Canadian Academic English Language Assessment) cael.ca | 70 | 60 |
| PTE (Pearson Test of English) pearsonpte.com | 60 | 60 |
| CAE (Cambridge English: Advanced) cambridgeenglish.org | C1 | n.a. |
ADMISSION REQUIREMENTS FOR
CANADIAN HIGH SCHOOLS – A SNAPSHOT

Students in Canadian high schools must meet the minimum requirements shown here. All program-specific prerequisites must be Grade 12 courses, unless otherwise indicated. For complete admission requirements, visit uOttawa.ca/undergraduate-admissions/canadian-secondary-schools. To be considered for early admission, Grade 12 students who have received their first term grades can upload their transcripts to the uOdoc application via uOzone. Depending on when you apply, and how quickly we receive all required documentation, it can take up to eight weeks to receive a decision.

ALBERTA
Alberta Secondary School Diploma
Five courses at the 30-39 level, including prerequisites

BRITISH COLUMBIA
British Columbia Secondary School Diploma
Five Grade 11 and 12 courses, including prerequisites. Provincial exams are recommended but not required

MANITOBA
Manitoba Secondary School Diploma
Five courses at the 40 level, including prerequisites

NEW BRUNSWICK
New Brunswick Secondary School Diploma
Five Grade 12 courses, including prerequisites

NEWFOUNDLAND AND LABRADOR
Newfoundland and Labrador Secondary School Diploma
Nine 3000-level credits, including prerequisites

NOVA SCOTIA
Nova Scotia Secondary School Diploma
Five Grade 12 courses, including prerequisites

NUNAVUT
Nunavut School Diploma
Five courses at the 30-39 level, including prerequisites

ONTARIO
Ontario high school diploma
Six 4U- or 4M-level courses, including prerequisites

PRINCE EDWARD ISLAND
Prince Edward Island Secondary School Diploma
Five Grade 12 courses (611 or 621), including prerequisites

QUEBEC
SECONDARY V
Quebec Secondary School Diploma
Five Secondary V courses, including prerequisites

CEGEP
12 successfully completed CEGEP courses, including prerequisites but excluding Physical Education and make-up courses

SASKATCHEWAN
Saskatchewan Secondary School Diploma
Five courses at the 30-39 level, including prerequisites

NORTHWEST TERRITORIES
Northwest Territories Secondary School Diploma
Five courses at the 30-39 level, including prerequisites

YUKON
Yukon Secondary School Diploma
Four Grade 12 courses, including prerequisites
ONTARIO

GENERAL PREREQUISITES AND REQUIREMENTS

Before submitting an application, be sure you meet or will meet all admissions requirements:

- You have obtained or are in the process of obtaining your secondary school diploma.
- You are registered for at least six courses at the 4U or 4M level.
- You are registered for all 4U-level courses required for the program unless otherwise specified (see tables on pages 61 to 64).
- You have the minimum average required and meet any language requirements (see page 59 for additional details on language requirements).

REQUIRED AVERAGE

Your admission average, which is also used to determine your eligibility for admission scholarships, is based on your six best interim or final grades in 4U or 4M courses, including the prerequisites for your chosen program.

Please note that the requirements listed in the tables on pages 61 to 64 are minimum requirements only and are subject to change. The minimum admission averages are based on 2018 admission requirements; admission averages for 2019 have not yet been determined. Meeting these minimum admission averages does not guarantee admission. The averages are based on the program, the language of instruction and the number of places available in the program.

The University of Ottawa reserves the right to change minimum admission averages without prior notice.

ADMISSION PREREQUISITES AND REQUIREMENTS BY FACULTY

FACULTY OF ARTS

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aboriginal Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arabic Language and Culture ★ (Not available in 2019)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td>Communication</td>
<td></td>
</tr>
<tr>
<td>Communication et lettres françaises</td>
<td>(offered in French only)</td>
<td></td>
</tr>
<tr>
<td>Communication and Political Science (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication and Sociology (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English (offered in English only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethics and Political Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German Language and Culture ★ (Not available in 2019)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greek and Roman Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>History and Political Science (BA)</td>
<td>Mid 70s</td>
</tr>
<tr>
<td>Italian Language and Culture ★ (Not available in 2019)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lettres françaises (offered in French only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lettres françaises (BA) et éducation (BEd)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(offered in French only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linguistics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medieval and Renaissance Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy and Political Science (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology and Linguistics (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religious Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russian Language and Culture ★ (Not available in 2019)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish ★ (Not available in 2019)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acting (BFA)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Auditions. Letter of motivation.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

uOttawa.ca/admission
## FACULTY OF ARTS

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>English as a Second Language (offered in English only to non-Anglophones)</td>
<td>Français 4U</td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>English 4U or Français 4U Students who have not completed Biology 4U must take a replacement course at the University during their first term.</td>
<td>Mid 70s</td>
</tr>
<tr>
<td>French as a Second Language (offered in French only to non-Francophones)</td>
<td>English 4U</td>
<td></td>
</tr>
<tr>
<td>Music (BMus)</td>
<td>English 4U or Français 4U Auditian</td>
<td></td>
</tr>
<tr>
<td>Second Language Teaching (ESL or FLS)</td>
<td>English 4U or Français 4U Entrance examination</td>
<td></td>
</tr>
<tr>
<td>Visual Arts (BA or BFA)</td>
<td>English 4U or Français 4U Portfolio</td>
<td></td>
</tr>
<tr>
<td>Digital Journalism (joint program with Algonquin College)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Public Relations (joint program with Algonquin College)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Physical Geography and Geomatics</td>
<td>English 4U or Français 4U Advanced Functions 4U</td>
<td>High 70s</td>
</tr>
<tr>
<td>Music (BMus) and Science (BSc) - Biochemistry, Biology, Chemistry, Computer Science, Geology, Mathematics, Physics, Statistics</td>
<td>English 4U or Français 4U Advanced Functions 4U Calculus and Vectors 4U</td>
<td>Low 80s</td>
</tr>
</tbody>
</table>

**TELFER SCHOOL OF MANAGEMENT**

Students who do not have Calculus and Vectors 4U can take the replacement course at the University either the summer before or during their first term.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>English 4U or Français 4U Advanced Functions 4U</td>
<td>Low 80s</td>
</tr>
<tr>
<td>Finance</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
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<tr>
<td>Healthcare Analytics</td>
<td>English 4U or Français 4U Advanced Functions 4U</td>
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<tr>
<td>Human Resource Management</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
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<tr>
<td>International Management</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
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</tr>
<tr>
<td>Management</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>Management Information Systems and Analytics (offered in English only)</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
<td></td>
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<tr>
<td>Marketing</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>Commerce (BCom) and Juris Doctor (JD) (offered in French only)</td>
<td>English 4U or Français 4U Calculus and Vectors 4U</td>
<td>Mid 80s</td>
</tr>
</tbody>
</table>

## FACULTY OF SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>English 4U or Français 4U</td>
<td>Mid 70s</td>
</tr>
<tr>
<td>Anthropology and Sociology</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Communication and Political Science (BSocSc)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Communication and Sociology (BSocSc)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Conflict Studies and Human Rights</td>
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</tr>
<tr>
<td>Criminology</td>
<td>English 4U or Français 4U</td>
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</tr>
<tr>
<td>Criminology and Women's Studies</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>History and Political Science (BSocSc)</td>
<td>English 4U or Français 4U</td>
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<tr>
<td>International Development and Globalization</td>
<td>English 4U or Français 4U</td>
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</tr>
<tr>
<td>International Studies and Modern Languages</td>
<td>English 4U or Français 4U</td>
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</tr>
<tr>
<td>International Studies and Modern Languages</td>
<td>English 4U or Français 4U</td>
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### FACULTY OF SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy and Political Science (BSoSc)</td>
<td>English 4U or Français 4U</td>
<td>Mid 70s</td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
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<tr>
<td>Psychology (BA)</td>
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<tr>
<td>Public Administration</td>
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<td>Public Administration and Political Science</td>
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<tr>
<td>Social Sciences</td>
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<td></td>
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<tr>
<td>Social Work (offered in French only)</td>
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<tr>
<td>Sociology</td>
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<td></td>
</tr>
<tr>
<td>Women’s Studies</td>
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<tr>
<td>Women’s Studies and Political Science</td>
<td></td>
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<tr>
<td>Women’s Studies and Sociology</td>
<td></td>
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</tr>
<tr>
<td>Economics</td>
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<td></td>
</tr>
<tr>
<td>Economics and Political Science</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Economics and Public Policy</td>
<td>Advanced Functions 4U</td>
<td></td>
</tr>
<tr>
<td>Environmental Economics and Public Policy</td>
<td>Calculus and Vectors 4U is strongly recommended.</td>
<td></td>
</tr>
<tr>
<td>International Economics and Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology (BSc)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Two of the following: Biology 4U, Chemistry 4U, Physics 4U, Calculus and Vectors 4U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculus and Vectors 4U is strongly recommended.</td>
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<td></td>
</tr>
<tr>
<td>A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics and Economics (BSoSc)</td>
<td>English 4U or Français 4U</td>
<td>Low 80s</td>
</tr>
<tr>
<td>Calculus and Vectors 4U</td>
<td>Advanced Functions 4U</td>
<td></td>
</tr>
<tr>
<td>A minimum combined average of 70% is required for all prerequisite courses in mathematics.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students who do not have Calculus and Vectors 4U can take the replacement course at the University either the summer before or during their first term.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science (BSoSc) and Juris Doctor (JD) (offered in French only)</td>
<td>English 4U or Français 4U</td>
<td>Mid 80s</td>
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</tbody>
</table>

### FACULTY OF ENGINEERING

A minimum combined average of 70% is required for all prerequisite courses in science and mathematics, except in Software Engineering, where a minimum of 70% is required for each prerequisite course.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science (BSc)</td>
<td>English 4U or Français 4U</td>
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</tr>
<tr>
<td>Computer Science and Mathematics (BSc)</td>
<td>Advanced Functions 4U</td>
<td></td>
</tr>
<tr>
<td>Computer Engineering</td>
<td></td>
<td>Low 80s</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering (BSc) and Computing Technology (BSc)</td>
<td>Advanced Functions 4U</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering (BSc) and Computing Technology (BSc)</td>
<td>Chemistry 4U</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
<td>Mid 80s</td>
</tr>
<tr>
<td>Civil Engineering (BSc)</td>
<td>Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering (BSc) and Computing Technology (BSc)</td>
<td>Physics 4U</td>
<td></td>
</tr>
<tr>
<td>Software Engineering</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Advanced Functions 4U</td>
<td>Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>One of the following: Biology 4U, Chemistry 4U, Computing 4U, Physics 4U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO-OP is mandatory</td>
<td></td>
<td>Mid to high 80s</td>
</tr>
<tr>
<td>Biomedical Mechanical Engineering (BSc)</td>
<td>English 4U or Français 4U</td>
<td></td>
</tr>
<tr>
<td>Advanced Functions 4U</td>
<td>Calculus and Vectors 4U</td>
<td></td>
</tr>
<tr>
<td>Biomed 4U</td>
<td></td>
<td>High 80s</td>
</tr>
<tr>
<td>Biomedical Mechanical Engineering (BSc) and Computing Technology (BSc)</td>
<td>Biology 4U</td>
<td></td>
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<tr>
<td>Chemistry 4U</td>
<td></td>
<td></td>
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<tr>
<td>Physics 4U</td>
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</tbody>
</table>
**FACULTY OF HEALTH SCIENCES**

Past experience indicates that students with a strong background in biology, chemistry and physics have an increased rate of success.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
</table>
| Health Sciences | English 4U or Français 4U  
Biology 4U  
Chemistry 4U  
One of the following: Advanced Functions 4U, Calculus and Vectors 4U, Physics 4U | Low 80s |
| Human Kinetics (BScHK) — Emphasis on biophysical sciences | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Biology 4U  
One of the following: Chemistry 4U, Physics 4U, Physics 3U  
Students who do not have Calculus and Vectors 4U can take the replacement course at the University either the summer before or during their first term. | Low 80s |
| Human Kinetics (BHK) — Emphasis on social sciences | English 4U or Français 4U  
One Mathematics 4U course  
Two of the following: Biology 4U, Chemistry 4U, Physics 4U, Physics 3U  
Students who do not have the mathematics prerequisite can take the replacement course at the University either the summer before or during their first term. | Mid 70s |
| Nutrition Science (offered in French only to bilingual students) | English 4U or Français 4U  
Biology 4U  
Chemistry 4U  
One of the following: Advanced Functions 4U, Calculus and Vectors 4U, Physics 4U  
A language proficiency test (a minimum score of 60% is required in French and English) | Low 80s |
| Nursing | English 4U or Français 4U  
Biology 4U  
Chemistry 4U  
One of the following: Advanced Functions 4U, Calculus and Vectors 4U, Physics 4U  
A minimum average of 65% is required in both the chemistry and the biology prerequisite courses. | Low 80s |

**FACULTY OF SCIENCE**

Students who do not have Calculus and Vectors 4U can take the replacement course at the University either the summer before or during their first term. Past experience indicates that students with a strong background in biology, chemistry and physics have an increased rate of success. See the list of recommended high school courses in science on the Faculty of Science website at [science.uOttawa.ca/en/recommended-courses](http://science.uOttawa.ca/en/recommended-courses).

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
</table>
| Biochemistry | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
One of the following: Biology 4U, Chemistry 4U, Physics 4U, Earth and Space Science 4U | Mid 80s |
| Biology | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Mid 70s |
| Biopharmaceutical Science | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Chemistry | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Environmental Science | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Geology | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Geology-Physics | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Ophthalmic Medical Technology | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Physics | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Physics-Mathematics | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Physics (BSc) and Electrical Engineering (BASc) | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Financial Mathematics and Economics (BSc) | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Mathematics | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Mathematics and Economics (BSc) | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Statistics | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Biochemistry (BSc) and Chemical Engineering (BASc) (Biotechnology) | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
| Biomedical Science | English 4U or Français 4U  
Advanced Functions 4U  
Calculus and Vectors 4U  
Chemistry 4U  
Physics 4U  
A minimum combined average of 70% is required for all prerequisite courses in science and mathematics. | Low 70s |
**QUEBEC – SECONDARY V**

**GENERAL PREREQUISITES AND REQUIREMENTS**

Before applying, be sure you meet or will meet all admissions requirements:

- You have obtained or are in the process of obtaining your secondary school diploma.
- You are registered for at least five Secondary V courses.
- You are registered for all courses required for your program unless otherwise specified (see tables on pages 65 to 68).
- You will have the minimum average required.
- You meet any language requirements (see page 59 for additional details on the language requirements).

**REQUIRED AVERAGE**

Your admission average, which is also used to determine your eligibility for admission scholarships, is based on your five best Secondary V courses, including the prerequisites for your chosen program. A minimum average of 84% is required for most programs at the University of Ottawa. However, meeting the minimum average does not guarantee admission. When a prerequisite is a Secondary IV course, this course must have been successfully completed, but its result is not calculated in the admission average.

Please note that the requirements listed in the tables on pages 65 to 68 are minimum requirements only and are subject to change. Meeting these minimum admission averages does not guarantee admission. The averages are based on the program, the language of instruction and the number of places available in the program. We reserve the right to change the minimum admission averages without prior notice.

**QUESTIONS ON ADMISSIONS OR PROGRAMS?**

Come and meet uOttawa representatives during our information evenings in Gatineau, the greater Montreal area, Quebec City and other regions across the province in February 2019. Visit [uOttawa.ca/events](http://uOttawa.ca/events) for details.

**ADMISSION PREREQUISITES AND REQUIREMENTS BY FACULTY**

### FACULTY OF ARTS

<table>
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<tr>
<th>DISCIPLINE</th>
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<th>AVERAGE</th>
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<tbody>
<tr>
<td>Aboriginal Studies</td>
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<tr>
<td>Arabic Language and Culture * (Not available in 2019)</td>
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<tr>
<td>Art History</td>
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<tr>
<td>Arts</td>
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<tr>
<td>Communication</td>
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<tr>
<td>Communication et lettres françaises (offered in French only)</td>
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<tr>
<td>Communication and Political Science (BA)</td>
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<tr>
<td>Communication and Sociology (BA)</td>
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<tr>
<td>Digital Journalism (joint program with Algonquin College)</td>
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<tr>
<td>English (offered in English only)</td>
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<tr>
<td>Environmental Studies</td>
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<tr>
<td>Ethics and Political Philosophy</td>
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<tr>
<td>Geography</td>
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<tr>
<td>German Language and Culture * (Not available in 2019)</td>
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<tr>
<td>Greek and Roman Studies</td>
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<tr>
<td>History</td>
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<tr>
<td>History and Political Science (BA)</td>
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<tr>
<td>Italian Language and Culture * (Not available in 2019)</td>
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<tr>
<td>Lettres françaises (offered in French only)</td>
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<tr>
<td>Lettres françaises (BA) et éducation (BEd) (offered in French only)</td>
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</table>
### FACULTY OF ARTS

<table>
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<tr>
<th>DISCIPLINE</th>
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<th>AVERAGE</th>
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<tbody>
<tr>
<td>Linguistics</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
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<tr>
<td>Medieval and Renaissance Studies</td>
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<tr>
<td>Music (BA)</td>
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<tr>
<td>Philosophy</td>
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<tr>
<td>Philosophy and Political Science (BA)</td>
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<tr>
<td>Psychology and Linguistics (BA)</td>
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<tr>
<td>Public Relations: (joint program with Algonquin College)</td>
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<tr>
<td>Religious Studies</td>
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<tr>
<td>Russian Language and Culture * (Not available in 2019)</td>
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<tr>
<td>Spanish * (Not available in 2019)</td>
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<tr>
<td>Theatre</td>
<td></td>
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</tr>
<tr>
<td>Acting (BFA)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). Auditions. Letter of motivation.</td>
<td></td>
</tr>
<tr>
<td>English as a Second Language (offered in English only to non-Anglophones)</td>
<td>Français, langue d'enseignement (5e sec.)</td>
<td>84%</td>
</tr>
<tr>
<td>French as a Second Language (offered in French only to non-Francophones)</td>
<td>English, Language Arts (Sec. V)</td>
<td></td>
</tr>
<tr>
<td>Physical Geography and Geomatics</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). Mathematics Technical and Scientific option or Science option (Sec. V). Chemistry (Sec. V). Physics (Sec. V). Science and Technology (with or without option) (Sec. IV). A minimum combined average of 84% is required for all Secondary V prerequisite courses in science and mathematics. Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.</td>
<td></td>
</tr>
<tr>
<td>Music (BMus)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). audition</td>
<td></td>
</tr>
<tr>
<td>Music (BMus) and Science (BSc) - Biochemistry, Biology, Chemistry, Computer Science, Geology, Mathematics, Physics, Statistics</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). audition. Prerequisites for chosen major in science.</td>
<td></td>
</tr>
<tr>
<td>Second Language Teaching (ESL or FLS)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). Entrance examination</td>
<td></td>
</tr>
<tr>
<td>Translation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Arts (BA or BFA)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Portfolio</td>
<td></td>
</tr>
</tbody>
</table>

### TELFER SCHOOL OF MANAGEMENT

Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). Mathematics Technical and Scientific option or Science option (Sec. V).</td>
<td>84%</td>
</tr>
<tr>
<td>Finance</td>
<td></td>
<td></td>
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<tr>
<td>Healthcare Analytics</td>
<td></td>
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<tr>
<td>Human Resource Management</td>
<td></td>
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</tr>
<tr>
<td>International Management</td>
<td></td>
<td></td>
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<tr>
<td>Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Information Systems and Analytics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.). Mathematics Technical and Scientific option or Science option (Sec. V).</td>
<td>85%</td>
</tr>
<tr>
<td>Commerce (BCom) and Juris Doctor (JD) (offered in French only)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FACULTY OF SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td>84%</td>
</tr>
<tr>
<td>Anthropology and Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication and Political Science (BSoSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication and Sociology (BSoSc)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### FACULTY OF SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
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</thead>
<tbody>
<tr>
<td>Conflict Studies and Human Rights</td>
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<tr>
<td>Criminology</td>
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</tr>
<tr>
<td>Criminology and Women's Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History and Political Science (BScSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Development and Globalization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Studies and Modern Languages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy and Political Science (BSocSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology (BA)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Administration and Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Work (offered in French only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Studies and Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Women's Studies and Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics and Political Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics and Public Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Economics and Public Policy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Economics and Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology (BSc)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Mathematics Technical and Scientific option or Science option (Sec. V) Chemistry (Sec. V) Physics (Sec. V) Science and Technology (with or without option) (Sec. IV) Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.</td>
<td></td>
</tr>
<tr>
<td>Mathematics and Economics (BSoSc)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Mathematics Technical and Scientific option or Science option (Sec. V) A minimum average of 84% is required for the prerequisite course in mathematics. Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.</td>
<td>84%</td>
</tr>
<tr>
<td>Political Science (BSocSc) and Juris Doctor (JD) (offered in French only)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td>85%</td>
</tr>
</tbody>
</table>

### FACULTY OF ENGINEERING

A minimum combined average of 84% is required for all prerequisite courses in science and mathematics. Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Mechanical Engineering (BASc)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Mathematics Technical and Scientific option or Science option (Sec. V) Chemistry (Sec. V) Physics (Sec. V) Science and Technology (with or without option) (Sec. IV)</td>
<td></td>
</tr>
<tr>
<td>Biomedical Mechanical Engineering (BASc) and Computing Technology (BSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Science (BSc)</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Mathematics Technical and Scientific option or Science option (Sec. V) Chemistry (Sec. V) Physics (Sec. V) Science and Technology (with or without option) (Sec. IV)</td>
<td></td>
</tr>
<tr>
<td>Computer Science and Mathematics (BSc)</td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering (BASc) and Computing Technology (BSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engineering (BASc) and Computing Technology (BSc)</td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V) Chemistry (Sec. V) Physics (Sec. V)</td>
<td>84%</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering (BASc) and Computing Technology (BSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering (BASc) and Computing Technology (BSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Software Engineering</td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.) Mathematics Technical and Scientific option or Science option (Sec. V) One of the following: Science and Technology (with or without option) (Sec. IV), Chemistry (Sec. V), Physics (Sec. V) CO-OP is mandatory</td>
<td></td>
</tr>
</tbody>
</table>
## ADMISSION PREREQUISITES AND REQUIREMENTS BY FACULTY
See page 65 for additional information regarding admission averages and general requirements.

### FACULTY OF HEALTH SCIENCES
Past experience indicates that students with a strong background in biology, chemistry and physics have an increased rate of success.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Sciences</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science and Technology (with or without option) (Sec. IV)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the following: Physics (Sec. V), Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td><strong>Human Kinetics (BScHK) — Emphasis on biophysical sciences</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td>84%</td>
</tr>
<tr>
<td></td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science and Technology (with or without option) (Sec. IV)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the following: Chemistry (Sec. V), Physics (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.</td>
<td></td>
</tr>
<tr>
<td><strong>Human Kinetics (BHk) — Emphasis on social sciences</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td>84%</td>
</tr>
<tr>
<td></td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Two of the following: Science and Technology (with or without option) (Sec. IV), Chemistry (Sec. V), Physics (Sec. V)</td>
<td></td>
</tr>
<tr>
<td><strong>Nutrition Science</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td>(offered in French only to bilingual students)</td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science and Technology (with or without option) (Sec. IV)</td>
<td></td>
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<tr>
<td></td>
<td>A language proficiency test (a minimum score of 60% is required in French and English)</td>
<td></td>
</tr>
<tr>
<td><strong>Nursing</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td>(offered at three different campuses: Ottawa, Algonquin College (Woodroffe campus) and Algonquin College (Pembroke campus))</td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science and Technology (with or without option) (Sec. IV)</td>
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</tr>
</tbody>
</table>

### FACULTY OF SCIENCE
Students may be required to take up to two mathematics make-up courses at the University either the summer before or during their first year.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biochemistry</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td>84%</td>
</tr>
<tr>
<td><strong>Biochemistry (BSc) and Chemical Engineering (BASc) (Biotechnology)</strong></td>
<td>Mathematics Technical and Scientific option or Science option (Sec. V)</td>
<td></td>
</tr>
<tr>
<td><strong>Biology</strong></td>
<td></td>
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<tr>
<td><strong>Biopharmaceutical Science</strong></td>
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<tr>
<td><strong>Chemistry</strong></td>
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<tr>
<td><strong>Environmental Science</strong></td>
<td></td>
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<tr>
<td><strong>Geology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Geology-Physics</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Ophthalmic Medical Technology</strong></td>
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<td></td>
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<tr>
<td><strong>Physics</strong></td>
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</tr>
<tr>
<td><strong>Physics—Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physics (BSc) and Electrical Engineering (BASc)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Financial Mathematics and Economics (BSc)</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics and Economics (BSc)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Statistics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Biomedical Science</strong></td>
<td></td>
<td>87%</td>
</tr>
<tr>
<td><strong>Financial Mathematics and Economics (BSc)</strong></td>
<td>English, Language Arts (Sec. V) or Français, langue d'enseignement (5e sec.)</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics and Economics (BSc)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Statistics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Biomedical Science</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GENERAL PREREQUISITES AND REQUIREMENTS

Before submitting an application, be sure you meet or will meet all admissions requirements:
• You have a minimum of 12 successfully completed CEGEP courses, excluding Physical Education and make-up courses.
• You meet or will meet any program requirements (see tables on pages 69 to 73).
• You will have the minimum average required.
• You meet any language requirements (see page 59 for additional details on the language requirements).

If you are missing a CEGEP prerequisite, but have completed its Secondary V equivalent, you must provide us with your official achievement record. You must have a grade of at least 84% in this course.

REQUIRED AVERAGE

Your admission average, which is also used to determine your eligibility for admission scholarships, is based on all your completed CEGEP courses, including failed courses, but excluding Physical Education and make-up courses. Please note that all CEGEP courses failed with a final grade lower than 50% are rounded up to 50% for the calculation of your admission average. We do not take the R score into consideration. Information on recognition of advanced standing is available on page 59.

If you have successfully completed between 12 and 16 CEGEP courses (excluding Physical Education and make-up courses), the University may require a higher admission average.

Please note that the requirements listed in the tables on pages 69 to 73 are minimum requirements only and are subject to change. The minimum admission averages are based on 2018 admission requirements; admission averages for 2019 have not yet been determined. Meeting these minimum admission averages does not guarantee admission. The averages are based on the program, the language of instruction and the number of places available in the program. We reserve the right to change minimum admission averages without prior notice.

QUESTIONS ON ADMISSIONS OR PROGRAMS?

Come and meet uOttawa representatives during our information evenings in Gatineau, the greater Montreal area, Quebec City and other regions across the province in February 2019. Visit uOttawa.ca/events for details.

ADMISSION PREREQUISITES AND REQUIREMENTS BY FACULTY

FACULTY OF ARTS

<table>
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<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
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<tbody>
<tr>
<td>Aboriginal Studies</td>
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</tr>
<tr>
<td>Arabic Language and Culture</td>
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<tr>
<td>Art History</td>
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<td></td>
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<tr>
<td>Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication et lettres françaises</td>
<td>(offered in French only)</td>
<td></td>
</tr>
<tr>
<td>Communication and Political Science (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication and Sociology (BA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English (offered in English only)</td>
<td></td>
<td>Mid 60s</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethics and Political Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>German Language and Culture</td>
<td></td>
<td></td>
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<tr>
<td>Greek and Roman Studies</td>
<td></td>
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</tr>
<tr>
<td>History</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History and Political Science (BA)</td>
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<tr>
<td>Italian Language and Culture</td>
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</tbody>
</table>

* (Not available in 2019)
### FACULTY OF ARTS

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Journalism (joint program with Algonquin College)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Lettres françaises (offered in French only)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Lettres françaises (BA) et éducation (BEd) (offered in French only)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Linguistics</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Medieval and Renaissance Studies</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Music (BA)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Philosophy and Political Science (BA)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Psychology and Linguistics (BA)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Public Relations (joint program with Algonquin College)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Religious Studies</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Russian Language and Culture • (Not available in 2019)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Spanish • (Not available in 2019)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Theatre</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>English as a Second Language (offered in French only to non-Anglophones)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>French as a Second Language (offered in French only to non-Francophones)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Music (BMus)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Music (BMus) and Science (BSc) - Biochemistry, Biology, Chemistry, Computer Science, Geology, Mathematics, Physics, Statistics</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Second Language Teaching (ESL or FLS)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Translation</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Visual Arts (BA or BFA)</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Physical Geography and Geomatics</td>
<td>English (603) or Français (601)</td>
<td>Low 70s</td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus 1 Biology (101) General Biology Chemistry (202) General Chemistry or Organic Chemistry Physics (203) Mechanics or Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td></td>
</tr>
</tbody>
</table>

### FACULTY OF LAW, CIVIL LAW SECTION

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Law (offered in French only)</td>
<td>Diploma of Collegial Studies (DCS) with a average of 80% or a minimum of one year of university studies (30 units) with an A- average.</td>
<td>80%</td>
</tr>
<tr>
<td>Civil Law (LLL) and International Development and Globalization (BScSc)</td>
<td>Diploma of Collegial Studies (DCS) with a average of 80% or a minimum of one year of university studies (30 units) with an A- average.</td>
<td>80%</td>
</tr>
<tr>
<td></td>
<td>See admission requirements on page 52.</td>
<td></td>
</tr>
</tbody>
</table>
## Telfer School of Management

If you did not complete Mathematics (201) Calculus I at the CEGEP level or Mathematics Technical and Scientific option or Science option at the Secondary V level, you are not admissible to programs at the Telfer School of Management. If you took your Secondary V mathematics course, you will be required to take up to two make-up courses at the University the summer before or during your first year.

### DISCIPLINE

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Mathematics (201) Calculus I Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Healthcare Analytics</td>
<td>Mathematics (201) Calculus I Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>International Management</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>Mathematics (201) Calculus I Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Management Information Systems and Analytics (offered in English only)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Commerce (BGsm) and Juris Doctor (JD) (offered in French only)</td>
<td>English (603) or Français (601) Mid 80s</td>
<td></td>
</tr>
</tbody>
</table>

## Faculty of Social Sciences

Students who are missing the mathematics prerequisite are required to take up to two replacement courses at the University the summer before or during their first year.

### DISCIPLINE

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Anthropology and Sociology</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Communication and Political Science (BSoSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Communication and Sociology (BSoSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Conflict Studies and Human Rights</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Criminology</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Criminology and Women's Studies</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>History and Political Science (BSoSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>International Development and Globalization</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>International Studies and Modern Languages</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Philosophy and Political Science (BSoSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Psychology (BA)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td>English (603) or Français (601) Mid 60s</td>
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</tr>
<tr>
<td>Public Administration and Political Science</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Women's Studies</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Women's Studies and Political Science</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Women's Studies and Sociology</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Economics and Political Science</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Economics and Public Policy</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Environmental Economics and Public Policy</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>International Economics and Development</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Psychology (BSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Mathematics and Economics (BSoSc)</td>
<td>English (603) or Français (601) Mid 60s</td>
<td></td>
</tr>
<tr>
<td>Political Science (BSoSc) and Juris Doctor (JD) (offered in French only)</td>
<td>English (603) or Français (601) Mid 80s</td>
<td></td>
</tr>
<tr>
<td>Social Work (offered in French only)</td>
<td>English (603) or Français (601) Mid 70s</td>
<td></td>
</tr>
</tbody>
</table>
**FACULTY OF ENGINEERING**

A minimum combined average of 70% is required for all prerequisite courses in science and mathematics, except in Software Engineering, where a minimum of 70% is required for each prerequisite course.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science (BSc)</td>
<td>English (603) or Français (601)</td>
<td>Low 70s</td>
</tr>
<tr>
<td>Computer Science and Mathematics (BSc)</td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>English (603) or Français (601)</td>
<td>Low 70s</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physics (203) Mechanics or Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering (BASc) and Computing Technology (BSc)</td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Software Engineering</td>
<td>English (603) or Français (601)</td>
<td>Mid 70s</td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CO-OP is mandatory</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering (BASc) and Computing Technology (BSc)</td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering (BASc) and Computing Technology (BSc)</td>
<td>Physics (203) Mechanics or Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td>Mechanical Engineering (BASc) and Computing Technology (BSc)</td>
<td>Biology (101) General Biology</td>
<td></td>
</tr>
<tr>
<td>Biomedical Mechanical Engineering (BAs)</td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physics (203) Mechanics or Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Biomedical Mechanical Engineering (BASc) and Computing Technology (BSc)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FACULTY OF HEALTH SCIENCES**

Past experience indicates that students with a strong background in biology, chemistry and physics have an increased rate of success. Students who are missing the mathematics prerequisite are required to take up to two replacement courses at the University the summer before or during their first year.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences</td>
<td>English (603) or Français (601)</td>
<td>Mid 70s</td>
</tr>
<tr>
<td></td>
<td>Biology (101) General Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the following: Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Calculus I, Mathematics (201) Algebra I</td>
<td></td>
</tr>
<tr>
<td>Human Kinetics (BScHK) — Emphasis on biophysical sciences</td>
<td>English (603) or Français (601)</td>
<td>Mid 70s</td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology (101) General Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the following: Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Secondary V-level Physics</td>
<td></td>
</tr>
<tr>
<td>Human Kinetics (BHK) — Emphasis on social sciences</td>
<td>English (603) or Français (601)</td>
<td>Mid 70s</td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Secondary V-level Physics</td>
<td></td>
</tr>
<tr>
<td>Nutrition Science (offered in French only to bilingual students)</td>
<td>English (603) or Français (601)</td>
<td>The Nursing program is offered at three different campuses. Admission is competitive and averages vary by campus.</td>
</tr>
<tr>
<td></td>
<td>Mathematics (201) Calculus I</td>
<td>Ottawa: High 70s</td>
</tr>
<tr>
<td></td>
<td>Biology (101) General Biology</td>
<td>Algonguin College (Woodroffe campus): Mid 70s</td>
</tr>
<tr>
<td></td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td>Algonguin College (Pembroke campus): Low 70s</td>
</tr>
<tr>
<td></td>
<td>A minimum grade of 65% is required in chemistry.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A language proficiency test (a minimum score of 60% is required in French and English)</td>
<td></td>
</tr>
<tr>
<td>Nursing</td>
<td>English (603) or Français (601)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology (101) General Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chemistry (202) General Chemistry or Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Secondary V level Mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A minimum grade of 65% is required in both the chemistry and the biology prerequisite courses.</td>
<td></td>
</tr>
</tbody>
</table>
Students who are missing the mathematics prerequisite are required to take up to two replacement courses at the University the summer before or during their first year. Past experience indicates that students with a strong background in biology, chemistry and physics have an increased rate of success. See the list of recommended CEGEP courses in science at science.uOttawa.ca/en/recommended-courses.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry</td>
<td>English (603) or Français (601) Mathematiques (201) Calculus I Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Algebra I A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td>Mid 60s</td>
</tr>
<tr>
<td>Biopharmaceutical Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>English (603) or Français (601) Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Algebra I</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td></td>
</tr>
<tr>
<td>Geology-Physics</td>
<td></td>
<td></td>
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<tr>
<td>Ophthalmic Medical Technology</td>
<td></td>
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</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics-Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Mathematics and Economics (BSc)</td>
<td>English (603) or Français (601) Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>A minimum combined average of 70% is required for the prerequisite course in mathematics.</td>
<td></td>
</tr>
<tr>
<td>Mathematics and Economics (BSc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>English (603) or Français (601) Mathematics (201) Calculus I Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Algebra I A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td>Low 70s</td>
</tr>
<tr>
<td>Physics (BSc) and Electrical Engineering (BASc)</td>
<td>Mathematics (201) Calculus I</td>
<td></td>
</tr>
<tr>
<td>Physics-Mathematics and Electrical Engineering (BASc)</td>
<td>A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
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</tr>
<tr>
<td>Biochemistry (BSc) and Chemical Engineering (BASc) (Biotechnology)</td>
<td>English (603) or Français (601) Mathematics (201) Calculus I Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Algebra I A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td>Mid 70s</td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>English (603) or Français (601) Mathematics (201) Calculus I Two of the following: Biology (101) General Biology, Chemistry (202) General Chemistry or Organic Chemistry, Physics (203) Mechanics or Electricity and Magnetism, Mathematics (201) Algebra I A minimum combined average of 70% is required for all prerequisite courses in science and mathematics.</td>
<td>High 70s</td>
</tr>
</tbody>
</table>
CAMPUS MAP

- **5 MIN**: Residences
- **10 MIN**: Classrooms
- **25 MIN**: Sports facilities

1. Learning Centre
2. Stanton
3. Hyman-Soloway
4. Thompson
5. Leblanc
6. Henderson
7. Rideau
8. Friel
9. 90 University
10. Marchand
11. Thompson
12. Leblanc
13. Mann
14. Friel
15. Rideau
16. University Private
17. TD Place
18. Learning Centre
19. Stanton
20. Hyman-Soloway
21. Thompson
22. Leblanc
23. Henderson
24. Rideau
25. Friel