Life at an intersection.

Waterloo is a place of opportunity. A place to dream up new ideas and bring them to life. It’s a place to explore, experiment, and experience new things as you decide what you want to do, where you want to go, and how you want to impact the world.

At Waterloo, you’re not bound by traditional conventions or expectations. Around here, innovation reigns. We’ll encourage you to take risks and challenge the status quo, to launch startups and shatter glass ceilings. Whether you volunteer over Reading Week, write a best-selling book, or test drive a new career in co-op, we want you to go Beyond Ideas.

Where will you go from here?
CANADA’S
MOST INNOVATIVE
UNIVERSITY

Never compromise. We haven’t and it’s paid off.

For more than 60 years, we’ve been challenging conventions and turning heads. We took innovation beyond a buzzword and made it our identity.

We set the bar for co-op in Canada because we saw a need for experienced, university-educated graduates. We encourage dreamers and entrepreneurs because we believe that cultivating creativity is key to global progress. We value diversity and inclusivity because we know we’re better, brighter, and stronger together.

Some people call that innovative, but that’s just who we are.

Be yourself, work hard, and reap the rewards. We’ll do the same.

uwaterloo.ca/future/rankings
CITY OF DREAMERS

Prepare to be charmed.

The City of Waterloo gives you the best of two worlds. You have all the perks of a big city – transportation, culture, and nightlife – with the charm and familiarity of a small town. Plus, you and your friends are only a short bus ride from Toronto, Canada’s entertainment hub and home to some of our largest co-op employers.

STARTUP PARADISE
Waterloo is an entrepreneur’s playground. Everything you need to kick-start a new business is within a few minutes of campus. Even if you don’t see yourself as the next startup sensation, living in one of the world’s top startup hubs gives you the scoop on new trends and technologies and puts you at the centre of a vibrant job market.

COOL EATS, HOT EVENTS
Call your friends, jump on the bus, and get a taste of Waterloo. Attend any of the region’s 1,200+ festivals and events or enjoy the ever-growing restaurant and food truck scene. For a sneak peek of our culinary culture, check out #KWAwesome and tune in to our Snapchat and Instagram stories (@uofwaterloo). Every Thursday we’ll drop fresh tips and truths about Waterloo life.

WHY STUDY IN CANADA
Canada offers a safe, welcoming environment to pursue your studies and explore your dreams. Our country is home to one of the world’s best educational systems and we’re internationally celebrated for our commitment to peace, multiculturalism, and inclusivity. You can work on or off campus while you study, and you can apply for a Post-Graduation Work Permit to gain more Canadian work experience once you graduate.

What’s happening here in Waterloo is truly special, from theory to experiment and beyond.

unwaterlo.ca/future/city

535,154 people call the Region of Waterloo home (Canadian Census, 2016)

TOP 25 startup ecosystems in the world (Startup Compass, 2015)

115 KM to Toronto. Home of the CN Tower, Toronto Maple Leafs, and Drake. You know the one.
Experience is everything.

Forget everything you thought you knew about student internships. Our co-op program adds up to two years of paid work experience to your résumé. With access to North America’s largest selection of co-op jobs, you’ll be able to test drive exciting careers and build an enviable professional network.

CONCRETE JUNGLE

Sometimes going beyond ideas means going beyond borders. Hannah spent her final two Management Engineering co-op terms at an investment banking company in New York City. Her experience helped her recognize the relevance and flexibility of her program. “We can shape our degree to be anything that we could possibly imagine. I really like that I can work in any industry and that I’m developing a skill set that has endless applications.”

EXPERIENCE PAYS OFF

Professional experience makes a difference to your job prospects and starting salary. After only two years in the workforce, 88 percent of co-op grads work in a field related to their degree and 79 percent earn a salary of $50,000 or more (compared to only 38 percent of other Ontario grads).

ALTERNATE BETWEEN FOUR-MONTH STUDY AND PAID WORK TERMS

Your co-op schedule depends on your program. Here are three common study/work sequences.

<table>
<thead>
<tr>
<th>YEAR</th>
<th>TERM</th>
<th>EXAMPLE 1</th>
<th>EXAMPLE 2</th>
<th>EXAMPLE 3</th>
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<tbody>
<tr>
<td>1</td>
<td>Fall</td>
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<td>5</td>
<td>Fall</td>
<td>Study</td>
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</tr>
</tbody>
</table>

Fall term: September to December
Winter term: January to April
Spring term: May to August

HOW CO-OP WORKS

If you’re accepted to a co-op program, you’ll alternate school and work terms, typically spending four months as a full-time student followed by four months as a full-time, paid employee building relevant skills within a work environment. Each work term starts with an application process; you’ll update your résumé, practice your interview responses, and meet with prospective employers. Students have a 98 percent co-op employment rate, thanks to our professional development training, career resources, and student advisors.

Once on the job, you’ll learn to adapt to your new surroundings and co-workers and develop a fresh appreciation for your classroom studies. As you progress through your work terms, your résumé – and confidence – will grow, preparing you to launch your career.

CO-OP

Experience for Everyone

If you’re leaning toward a program without co-op or looking for even more ways to get hands-on experience, take advantage of programs that will help you build a stand-out résumé.

EDGE CERTIFICATE

Develop professional skills, explore career options, and learn how to market yourself in this new program offered exclusively to students not in co-op programs.

GLOBAL EXPERIENCE CERTIFICATE

Expand your world view and knowledge of global issues by earning a Global Experience Certificate.

PROFESSIONAL DEVELOPMENT PROGRAM

Learn the skills that will help you land jobs – and quickly climb the corporate ladder – in our free professional development courses.

STUDENT LEADERSHIP PROGRAM

Explore and enhance your leadership abilities in this series of 12 workshops.

EXCHANGE AND STUDY ABROAD

Satisfy your wanderlust and your course requirements through 100+ exchange and study abroad opportunities.

#1 in Canada for preparing career-ready graduates (Maclean’s, 2018)

7,000+ co-op employers in more than 60 countries

$33,000 to $90,000+ Potential total co-op earnings over five terms
Write your own ticket.

No school can guarantee your success after graduation. But we come really close.

Our grads are among the most employable in the world and have been ranked the most career ready in Canada. While other university grads try to break into the work world, you’ll be focused on your next opportunity, equipped with practical knowledge, industry-relevant skills, and a network of professional contacts.

GRADS AT WORK
Waterloo grads make for workplace warriors. Two years after graduating, 97 percent of our graduates are employed. Not only are they resourceful but they’re also adventurous, finding opportunities in every sector and on every continent. To help all our grads get their start, we offer perks like complimentary career advising sessions and exclusive access to our WaterlooWorks alumni job board.

GRADUATE STUDIES
Talk about ambitious! We surveyed your peers and found that almost half of incoming Waterloo students intend to pursue education beyond undergraduate studies. If that’s your plan, consider continuing your studies in familiar territory by applying to one of our 190+ graduate programs.

WHERE ARE THEY NOW?
More than 200,000 graduates have used their Waterloo education as a stepping stone to success. From startup founders to city planners, Waterloo grads know how and where to put their skills to work.

#UWFUTURESHAPERS

CHELSEA-ANNE EDWARDS, BES ’15
Geography and Aviation
First officer, Sunwing Airlines

DIANA CHIU, BSc ’05
Science and Business
Senior manager, business development, DuckDuckGo

ROGER TAKAHASHI, BSc ’91
Kinesiology
Strength and conditioning coach, Vancouver Canucks

TOP 25
in the world for graduate employability (QS Graduate Employability Rankings, 2018)

#1
in Canada for entrepreneurs founding companies valued at $1B or more (PitchBook Universities Report, 2017–2018)

96%
of our co-op grads find jobs related to their degree within six months
Your new social network.

Living in residence puts you in the middle of the action. Get the full university experience while making friends and memories that will last long after graduation.

CHOOSING A RESIDENCE

Your home away from home should suit your budget and personality. Choose from Waterloo Residences’ traditional single or double rooms or suite-style apartments, or opt to live at one of our on-campus University Colleges: Conrad Grebel University College, Renison University College, St. Jerome’s University, and St. Paul’s University College. All nine first-year residences offer personal and academic support to help you adjust to living away from home, including Living-Learning Communities, residence dons, and tutors.

CATERING TO YOUR NEEDS

Personalized meals from a world-class chef may seem like the celebrity treatment, but for some students, it’s just part of their Waterloo experience. Every year, students come to campus with unique dietary restrictions, and our Food Services staff take the time to learn their needs and prepare dishes they can safely enjoy. The staff can even fulfill spice requests — now that’s service!

FOOD AND MEAL PLANS

Enjoy fresh meals and snacks from more than 40 on-campus food outlets. Meals include halal, kosher, vegan, and vegetarian options, plus custom creations for anyone with food allergies or other dietary restrictions. There’s a cafeteria that opens two hours before sunrise during Ramadan, a spice bar to add a taste of home, and residences where you can cook your own meals.

COMFORT FOOD

With so many international students in our city, you’ll find it easy to buy food from home in grocery stores and specialized food outlets. If you want someone else to cook, local restaurants cater to tastes from around the world.

LIVING-LEARNING COMMUNITIES

Living-Learning Communities (LLCs) group together students with common interests in a particular residence building. Live with peers from your program, students who share your passion for social justice, or other student athletes. You can apply to join an LLC when you apply to live in residence.

WHO’S DON?

Residence life dons are upper-year students who live in residence and help to provide an inclusive and supportive environment. They organize events, monitor the buildings, and offer support around the clock. Think of it like having an older brother or sister in residence with you.
CARE AND SUPPORT

We’re all in this together.

University can be rewarding and challenging. Our campus support services give you the resources and personal care you need to help you get the most out of your university experience.

STRENGTH IN DIVERSITY
Whatever your ethnicity, religion, gender, or sexual identity, you’re welcome here. Get connected with students and staff who can relate to your experiences.

INTERNATIONAL AND CANADIAN STUDENT NETWORK
With the goal of making all students feel at home, this network will connect you with Canadian and other international students, to explore Waterloo and learn about local culture.

THE GLOW CENTRE FOR SEXUAL AND GENDER DIVERSITY
The Glow Centre promotes a healthy attitude toward all sexual orientations and gender identities and offers confidential peer support, discussion groups, social events, and resources.

WATERLOO INDIGENOUS STUDENT CENTRE
This centre celebrates the values and rights of Indigenous peoples and cultures. It facilitates the sharing of Indigenous knowledge with relevant information and support.

WATERLOO CHAPLAINS
Waterloo has chaplains representing 11 different faith traditions. They can provide you with support and help as you explore spiritual questions.

HEALTH AND WELLNESS
Do you want to know the secret to success at university? Keep your body and mind healthy. We offer extensive services to help keep you at the top of your game.

HEALTH SERVICES
The on-campus Student Medical Clinic offers a range of services, from providing prescriptions and immunizations to addressing your mental and sexual health concerns. Meet with doctors, nurses, mental health specialists, and registered dietitians.

COUNSELLING SERVICES
Counselling Services is dedicated to supporting your personal, social, and academic experience at Waterloo. It offers one-on-one, group, and peer support counselling, plus coping skills seminars and workshops to support your mental health.

WATERLOO MATES
MATES (Mentor Assistance Through Education and Support) is a counselling-based, one-to-one peer support program that can help if you’re facing social difficulties, mental health challenges, or struggles with adapting to university life.

ACADEMIC SUPPORT
Learning a new system takes time. Take advantage of services to help you adjust to university grading, writing, and classroom expectations.

STUDENT SUCCESS OFFICE
This office is your first stop for academic and personal support. It offers study skills and leadership workshops, personalized peer success coaching, and international study abroad and exchange programs. International students can also find supports such as our International Peer Community and immigration consultants.

ACCESSIBILITY SERVICES
AccessAbility Services ensures everyone has equal access to education. They’ll design and facilitate academic accommodation plans for you if you have permanent or temporary disabilities.

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STUDENT EXPERIENCE | 13
We know how to have fun.

Our campus is packed with opportunities to get involved no matter how unique your interests. Between our clubs, associations, recreation programs, and events, there’s something for everyone. For a behind-the-scenes look at student life, check out our Instagram and Snapchat stories every Thursday (@uofwaterloo).

FEDERATION OF STUDENTS
As the official voice of Waterloo undergraduates, the Federation of Students (Feds) exists to serve, empower, and represent students. More than your standard student council, Feds runs everything from our on-campus restaurant and the Glow Centre for Sexual and Gender Diversity to Orientation and our Student Food Bank. Plus, they oversee all of our clubs and associations.

CLUBS AND SOCIETIES
There’s no excuse for boredom on campus. We have more than 200 clubs, societies, and associations for you to explore. If you don’t see one that fits your exact interest, start your own club! There’s always room to expand the roster.

SPORTS AND RECREATION
Our fitness facilities, athletics clubs, intramural sports, varsity teams, and drop-in classes are available throughout the year to help you stay fit and get plugged in to campus life.

STUDENT EVENTS
Clear your calendar and check out the events happening around campus. To get you started, there’s Orientation, Welcome Week, and Black and Gold Day. Add in trivia nights, community festivals, and faculty events, and your social calendar will fill up quickly.
TRANSITION TIPS

PRACTICE MAKES PERFECT

From a small town in Ecuador to Canada’s innovation hub, Iliana was drawn to Waterloo by the Global Business and Digital Arts program. Although initially hesitant to start her academic career in the Bridge to Academic Success in English (BASE) program, Iliana is thankful for the experience.

“My BASE peer leaders helped me improve my speaking and listening skills. The program gave me the confidence to interact with English speakers while letting me work toward my degree.”

#BEYONDIDEAS
#STUDYINENGLISH
#PEERMENTORSHIP

ILIANA
GLOBAL BUSINESS AND DIGITAL ARTS
COMPLETED BRIDGE TO ACADEMIC SUCCESS IN ENGLISH

ENGLISH LANGUAGE PROGRAMS

If you meet our academic admission requirements but your English language scores are just below the required scores, you may receive a conditional offer of admission through one of our English language pathway programs.

› Bridge to Academic Success in English
› English Language for Academic Studies

You don’t apply directly to these programs, but if you’re admitted to one, you’ll take intensive language courses while earning credit toward your Waterloo degree. See page 46 for our English language requirements.

PRACTISE YOUR ENGLISH

Join groups run by fellow students and language professionals where you can make friends, practise your English, and learn about Canadian culture.

› English Conversation Cafés
› Conversation Partner Programs
› International Canadian Student Network
› International Peer Community

FRIENDS FROM HOME

It’s great to meet students from Canada and other countries, but sometimes it’s nice to connect with friends from home. Among Waterloo’s 200+ clubs are cultural clubs such as

› Association of Caribbean Students
› Culture and Language Exchange Club
› Indian Cultural Association
› Latin American Student Association
› Muslim Students’ Association
› UW Daebak

WE HAVE YOU COVERED

Need to visit a physician, dentist, or physiotherapist? Our health plans will cover these costs, along with prescription drugs, travel insurance, and hospital visits.

All you need to know.

Studying in a different country takes a lot of courage and ambition – those sound like Warrior qualities to us! To help you make a smooth transition to our campus, we’ve collected answers to a few common questions.

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WE HAVE YOU COVERED

Need to visit a physician, dentist, or physiotherapist? Our health plans will cover these costs, along with prescription drugs, travel insurance, and hospital visits.
Study like a boss.

You don’t want just any business degree. You want one that makes employers take notice. You want a degree that equips you for the current job market and prepares you for your dream career. You’ve come to the right place.

ENDLESS OPPORTUNITIES

Our business programs were created in collaboration with employers to give you an edge in the marketplace. We prepare you for the world of business and give you the freedom to explore other passions that will help you define your business niche and expand your portfolio. You’ll find yourself among self-starters, working in paid co-op positions with top business leaders and learning from a community of mentors.

By graduation, you’ll be a double-edged professional – with expertise in business and your major – ready to contribute in boardrooms, labs, test sites, or anywhere else you find yourself. Your well-rounded résumé and references from co-op employers will speak to your business savvy, agility, and professionalism.

NEARLY 25% of Waterloo students are enrolled in business-related majors, minors, and program options. Adding a business component to your studies makes you more employable in a wider range of industries.

ENTREPRENEURIAL CULTURE

Waterloo can help you bring innovative, world-changing ideas to the global marketplace. Programs such as Velocity, St. Paul’s GreenHouse, and the Conrad School of Entrepreneurship and Business offer mentorship, creative space, and financial resources to get you started. With a little inspiration and a lot of hard work, you could join the ranks of Waterloo entrepreneurs whose ideas produced Wish, Pebble, and Thalmic Labs.

BUSINESS PROGRAMS

- Accounting and Financial Management
- Biotechnology/Chartered Professional Accountancy
- Biotechnology/ Economics
- Business Administration (Laurier) and Computer Science (Waterloo) Double Degree
- Business Administration (Laurier) and Mathematics (Waterloo) Double Degree
- Computing and Financial Management
- Environment and Business
- Global Business and Digital Arts
- Honours Arts and Business
- Information Technology Management
- Management Engineering
- Mathematical Finance
- Mathematics/Business Administration
- Mathematics/Chartered Professional Accountancy
- Mathematics/Financial Analysis and Risk Management
- Recreation and Sport Business
- Science and Business

CANADIAN DREAM

Ketchup chips, city buses, and Roll Up the Rim. These are a few of the firsts Simran’s friends shared with her as she transitioned to life in Canada. For Simran, the cultural and culinary changes were worth studying in a top business program.

“I wanted to go into business and thought a Bachelor of Commerce was my only option. Then my guidance counsellor told me about Waterloo. The University and the program had great reputations. For me, it was the best of two worlds.”

#BEYONDIDEAS
#DOWNTOBUSINESS
#FINDYOURFIT
ONE WAY OR ANOTHER

Co-op is Waterloo’s claim to fame, but Nathan opted for a four-year Kinesiology program so he could use his summers to relax, travel, and work part-time. The rest of the year, he builds up experience through hands-on labs, research projects, and his volunteer position with the Campus Response Team. In short, his résumé is in great shape.

If you’re choosing between co-op and a regular four-year program, he has some advice: “Know what you’re working toward and choose the best option for you! For me, having my summers off was key.”

#BEYONDIDEAS
#RÉSUMÉBUILDING
#SUMMERTRAVEL

IMPROVE LIVES

Faculty of Applied Health Sciences

Want to make a difference that improves lives? Join this tight-knit community of students and professors dedicated to preventing disease, healing injuries, and optimizing the quality of life for people around the world. Learn relevant skills and concepts to prepare you for medical school, professional and graduate programs, or careers in health and leisure. You’ll graduate with a degree that will help you leave a lasting legacy of health and wellbeing.

ENTRY PROGRAMS AND MAJORS

Learn more about Applied Health Sciences (AHS) entry programs and majors on pages 32 to 39, or go online to download an AHS brochure.

→ Health Studies
→ Kinesiology
→ Public Health
→ Recreation and Leisure Studies
  • Recreation and Leisure Studies
  • Recreation and Sport Business
  • Therapeutic Recreation
→ Tourism Development

You can focus your studies through specializations starting in second year.

58% of Health Studies and Kinesiology graduates go on to professional or graduate school

95% of AHS grads are employed or pursuing further education within one year of graduating

#1 for Hospitality and Leisure Management in Canada (QS World University Rankings, 2018)
ILLUMINATE AND CREATE

Faculty of Arts

This is the place where creative minds and critical thinkers unite. Collaborate with peers and professors as you explore the diversity of the human experience and shine new light on age-old questions. Whether you’re in Accounting and Financial Management, Global Business and Digital Arts, or one of our 23 honours majors, you’ll benefit from the variety of academic departments you’ll interact with and the different perspectives they offer. You’ll graduate with the expertise employers need and the hands-on experience they want thanks to co-op terms, EDGE training, career-focused minors, and study abroad opportunities.

ENTRY PROGRAMS
Learn more about Arts entry programs, majors, and specializations on pages 32 to 39, or go online to download any of our Arts brochures.

- Accounting and Financial Management
- Computing and Financial Management
- Global Business and Digital Arts
- Honours Arts*
- Honours Arts and Business*
- Social Development Studies

*Explore topics that interest you and pick your major at the end of first year

MAJORS
You can build a double major, minor, or specialization into your degree after you choose a major in one of these subjects.

- Anthropology
- Classical Studies
- Economics
- English
- Fine Arts
- French
- Gender and Social Justice
- German
- History
- Legal Studies
- Medieval Studies
- Music
- Peace and Conflict Studies
- Philosophy
- Political Science
- Psychology
- Religious Studies
- Sexuality, Marriage, and Family Studies
- Social Development Studies
- Sociology
- Spanish
- Speech Communication
- Theatre and Performance

600+ courses in 56 different subjects

PROFESSIONAL DEGREE

- Social Work (Renison University College)
- After other completing your undergraduate degree

55% of honours students add a second major and/or a minor to their degree to broaden their studies

A SMALLER STAGE

There are universities. There are colleges. Then, there are University Colleges. Waterloo has four University Colleges located on the west side of campus. They offer housing, course options, study spaces, and social events to help you get connected. It’s at one of them, St. Jerome’s University (SJU), that Eric found his fit.

“I was commuting to Waterloo and wasn’t sure how I’d meet people so I decided to co-register for my program with SJU. They gave me a smaller, supportive community on campus and helped me get plugged into student life. Now I’m hosting coffee houses and helping other students get connected.”

Eric Honours Arts Theatrical and Performance Major Co-Registered with St. Jerome’s University

#BeyondIdeas #Community #UniversityColleges
WE RUN THIS
Who runs the world? Girls. Or is it engineers? Zahra argues it’s the combination that counts. A proud voice for women in science, technology, engineering, and mathematics (STEM), Zahra argues women bring fresh perspectives and ideas to the traditionally male-dominated field. The trick is helping women see their potential.

“The problem is that we put ourselves down.” She challenges all high school students to be confident in their abilities, especially women studying math and science. “After all, if men can do it, why can’t we?”

SHAPE SOCIETY
Faculty of Engineering

Join the faculty with a hand in every aspect of modern life. You could design sustainable buildings, improve transit systems, reorganize corporate ladders, or build robots that save lives—all before graduation. In Engineering, the future is in your hands. Are you ready to get to work?

ENTRY PROGRAMS
Learn more about each entry program on pages 32 to 39, or go online to download an Engineering brochure.

› Architectural
› Architecture
› Biomedical
› Chemical
› Civil
› Computer
› Electrical
› Environmental
› Geological
› Management
› Mechanical
› Mechatronics
› Nanotechnology
› Software
› Systems Design

You can choose to either specialize or broaden your studies through different program options and concentrations beginning in second year.

#BEYONDIDEAS
#IRONRING
#YOUANDIT

#1 engineering school in Canada
(US News & World Report Global Universities Ranking, 2018)

$12,100 average earnings per co-op term

86% of our Engineering graduates are employed within six months of graduation

uwaterloo.ca/future/engineering
# GOLDEN TICKET

Living the big-city life in Toronto, taking transit to a downtown startup, and drinking coffee by the litre to hit a deadline. It sounds like the millennial dream. For Aujas, it’s another day in a geomatics co-op term.

“Each of my work terms has shown me a different side of geomatics. I’ve been mentored by great employers and have developed a better sense of what I’d like to do after graduation. It’s been like a trial run for life.” If you’re looking for an edge to help you land a dream career, co-op may be your golden ticket.

# BEYOND IDEAS
# TRIAL RUN
# DOWNTOWN COOP

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# RAISE THE BAR

Faculty of Environment

Join a global movement advocating for a greener, more sustainable future – whatever your #earthgoals. Learn how ecosystem restoration, environmental law, and urban planning support solutions to some of the world’s biggest challenges. Be an agent of change and build a better tomorrow with an Environment degree.

**ENTRY PROGRAMS**

Learn more about Environment entry programs and optional specializations on pages 32 to 39, or go online to download an Environment brochure.

- Environment and Business
- Environment, Resources and Sustainability
- Geography and Aviation
- Geography and Environmental Management
- Geomatics
- International Development
- Knowledge Integration
- Planning

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**TOP 4** in Canada for geography (QS World University Rankings by Subject, 2018)

**URBAN STUDIES MINOR**

Explore the impact of urbanization in our newest minor

[link to uwaterloo.ca/future/environment]
Faculty of Mathematics

Take your talent to the next level with a degree in Mathematics. Learn from renowned professors in the world’s largest centre for mathematics and computer science education and research, and explore concepts that ignite your imagination, from quantum computing to number theory. Refine your skills through co-op terms, minors, and specializations. By graduation, your career prospects will be infinite.

ENTRY PROGRAMS AND MAJORS
Learn more about these programs on pages 32 to 39, or download any of our Mathematics brochures.

- Business Administration (Laurier) and Computer Science (Waterloo) Double Degree
- Business Administration (Laurier) and Mathematics (Waterloo) Double Degree
- Computer Science • Computer Science • Data Science
- Computing and Financial Management

- Mathematics • Actuarial Science • Applied Mathematics • Biostatistics • Combinatorics and Optimization • Computational Mathematics • Data Science • Mathematical Economics • Mathematical Finance • Mathematical Optimization • Mathematical Physics • Mathematics/Teaching • Pure Mathematics • Statistics

1,000+ pieces of pie are handed out on campus every March 14 at 1:59 pm for Pi Day

$13,200 average work term earnings for Mathematics students.

70% of the top careers in 2017 start with a mathematics or computer science degree (CareerCast)

EXPRESS YOURSELF
You can’t limit creativity and you certainly can’t limit Clare. A Schulich Leader Scholarship nominee, YouTube producer, scriptwriter, and aspiring mathematician, Clare doesn’t fit into a neat little box. She takes advantage of opportunities across campus to get involved and express herself.

During class, Clare explores “creative mathematics” in Combinatorics and Optimization. The rest of the time, she makes videos for her friends and lends her creative superpowers to FASS, Waterloo’s amateur theatre company, as a scriptwriter. Her advice for nervous newcomers: “Leave your comfort zone! Explore new clubs and meet people! You’ll have more fun.”

#BEYONDIDEAS #CREATIVEGENIUS #PINKTIE
GET A STRONG REACTION

Faculty of Science

Discover everything from atoms and cells to the vast expanses of space in our most research-centric faculty. Learn to think critically, experiment confidently, and engage intelligently through hands-on labs, projects, and co-op terms. Participate in groundbreaking research or launch a startup through Velocity Science. Whichever path you choose to explore, your Science degree will give you the foundation you need to succeed.

LIFE OF SCI

She's in class five times a week, the pool eight times a week, and the gym three times a week. As an academic all-Canadian and co-captain of the varsity swim team, Jocelyn is a master scheduler (and potentially superhuman). Jocelyn's big presence in the pool is contrasted by the miniature scale of her Materials and Nanosciences studies, but she's careful not to put the two priorities in competition. "Swimming helps me stay relaxed, fit, and focused. You have to find a balance that works for you and don't worry if it doesn't look like someone else's."

ENTRY PROGRAMS AND MAJORS

Learn more about these programs on pages 32 to 39, or go online to download any of our Science brochures.

- Biotechnology/Chartered Professional Accountancy
- Biotechnology/Economics
- Environmental Science
- Honours Science
- Life Sciences*
  - Biochemistry
  - Biology
  - Biomedical Sciences
  - Psychology
- Physical Sciences*
  - Chemistry
  - Earth Sciences
  - Life Physics
  - Materials and Nanosciences
  - Mathematical Physics
  - Medical Chemistry
  - Physics
  - Physics and Astronomy
- Science and Aviation
- Science and Business
*Select your major when you apply.

100+ science-related clubs to meet other students and build connections within your faculty

$50M+ in annual research funding helps to finance meaningful research jobs for Science students

PROFESSIONAL DEGREES

Apply to a recommended Bachelor of Science (BSc) program to meet admission requirements for these programs.

- Doctor of Optometry (OD)
  - Apply as early as your third year in a BSc program.
- Doctor of Pharmacy (PharmD)
  - Apply as early as your second year in a BSc or other post-secondary program.

科学学院

从原子和细胞到太空的广阔空间，我们在这个学院探索一切。学习批判性思维，自信地进行实验，并通过实践实验室、项目和实习来培养智慧。无论是参加突破性研究还是通过Velocity Science启动创业，无论你选择哪条道路探索，你的科学学位都将给你提供你需要的基础来成功。

生活

她每周上课五次，游泳池八次，健身房三次。作为一名学术全加拿大和水球队的队长，乔塞林是一个超级调度员（可能是超人）。在游泳池的庞大存在与纳米科学研究的微型规模形成了鲜明对比，但她小心地不将这两个优先级放在一起竞争。“游泳帮助我保持放松、健康和专注。你必须找到适合自己的平衡，不要太担心看起来不像别人的样子。”

入学计划和专业

请参阅第32至39页了解这些课程，或在线下载我们科学学院的任何手册。

- 生物技术/特许专业会计师
- 生物技术/经济学
- 环境科学
- 荣誉科学
- 生命科学*
  - 生物化学
  - 生物学
  - 生物医学科学
  - 心理学
- 物理科学*
  - 化学
  - 地球科学
  - 生命物理学
  - 材料与纳米科学
  - 数学物理学
  - 医学化学
  - 物理学
  - 物理学与天文学
- 科学与航空
- 科学与商业
*请在申请时选择你的专业。

7个科学相关的俱乐部来结识其他学生并建立在你学院内的联系

100+门课程给你提供动手实验室经验

$50M+用于资助科学学生的有重要意义的研究工作

专业学位

申请推荐的科学学士（BSc）学位，以满足这些课程的入学要求。

- 视光博士学位（OD）
  - 作为BSc课程的三年级学生尽早申请。
- 药学院学士（PharmD）
  - 作为BSc或其他后续课程的二年级学生尽早申请。
Use the program descriptions together with the admission charts to choose a program that suits your interests and academic strengths. Every program has minimum course and grade requirements you’ll need to meet, so take your time, do your research, and always check the asterisks.

ACCOUNTING AND FINANCIAL MANAGEMENT

- Bachelor of Commerce (Co-op only)
- Bachelor of Science (Co-op only)

Create the blueprint for a great career in one of the world’s top schools of architecture. From day one, you’ll have your own dedicated studio space to develop your ideas—and explore the relationship between architecture, sustainability, and society. In fourth year, study at our studio in Rome. Questions? Email architecture@uwaterloo.ca.

- Design Studio, Cultural History, Visual and Digital Media, Environmental Building Design, Advanced Structures Design and Analysis
- Architect, project manager, designer, architectural assistant

ACTUARIAL SCIENCE / FACULTY OF MATHEMATICS

- Bachelor of Mathematics (Co-op available)

Predict the future—without a crystal ball. In one of North America’s top-ranked actuarial programs, you’ll use math and statistics to predict underwriting events such as storm damage, performance on an insurance company’s policies. Prepare for your professional actuary designation with courses in finance, risk theory, economics, and probability.

- Corporate Finance, Applied Probability, Introduction to Investments
- Actuarial analyst, consultant, financial analyst

ANTHROPOLOGY / FACULTY OF ARTS

- Bachelor of Arts (Co-op) available through Honours Arts and Business

From Neanderthals to Millennials, discover what it means to be human. Explore evolution and early societies, or tackle contemporary critical issues. Whether you’re studying fossils and bones in the lab or conducting fieldwork in the Amazon, the Arctic, or Africa, you’ll learn more about what makes our species unique, using your insights to change the world.

- Biological Anthropology, Social Biology, Forensic Anthropology
- Forensic expert, curator of natural property, heritage planner

APPLIED MATHEMATICS / FACULTY OF MATHEMATICS

- Bachelor of Mathematics (Co-op available)

Use your math skills to push boundaries. Apply your understanding of mathematical concepts, computer science, engineering, and physics to complex communication and commerce issues. Round out your degree with engineering electives, or specialize in biology, economics, earth sciences, physics, or scientific computation.

- Applied Complex Analysis, Introduction to Computational Mathematics, Introduction to Differential Equations
- Researcher, software developer, analyst

ARCHITECTURAL ENGINEERING / FACULTY OF ENGINEERING

- Bachelor of Applied Science (Co-op only)

Build better buildings. Get your hands on what you study in the process. In Waterloo’s newest engineering program, you’ll combine your studies in civil engineering design, including mechanics, structural analysis, and design strategy—and round it out with courses in aesthetics, culture, and other design elements at our world-class School of Architecture.

- Structural Design Studio, History of the Built Environment, Architectural Graphics Studios, Electrical Circuits and Instrumentation
- Professional Engineer, Building design consultant, project manager, designer, construction consultant

Biomedical Engineering / FACULTY OF SCIENCE

- Bachelor of Science (Co-op available)

Study life—It’s in your DNA. With more than 80 courses available—including popular freshman courses—this program gives you tons of opportunity to apply your skills and knowledge where they come from, and how they evolve. You can also choose our bioinformatics option, combining Biological studies and computer science.

- Plants and Civilization, Organism and Evolutionary Ecology, Diversity of Life
- Animal Biologist, Biotechnology, Environmental Biologist, Microbiologist, Medicinal Chemist, Plant Biologist
- Biologist, veterinarian, environmental consultant, physician, pharmacist, optometrist

Biomedical Engineering / FACULTY OF ENGINEERING

- Bachelor of Applied Science (Co-op only)

Only one of its kind in Canada, this program prepares you for professional accountancy and actuarial roles in the growing biotech sector. After graduation, earn your Master of Accountancy (MCiA) degree in eight months—on optional next step in becoming a Chartered Professional Accountant.

- Animal Cell Biotechnology, Introduction to Managerial Accounting, Accounting Information Systems
- Chartered Professional Accountant, finance coordinator, analyst

Business Administration (Laurentian) and Computer Science (Waterloo) Double Degree

- Bachelor of Business Administration (Laurentian) and Bachelor of Computer Science (Waterloo) Double Degree

Succeed in virtually any professional health care or athletics career. With more than 80 courses available— including labs and fieldwork—this program will give you the foundation and experience required to succeed in virtually any professional health care or athletics career. With more than 80 courses available— including labs and fieldwork—this program will give you the foundation and experience required to succeed in virtually any professional health care or athletics career.

- Research and development of medical devices, biomedical data analysis, product design of sporting equipment

Biomedical Sciences / FACULTY OF SCIENCE

- Bachelor of Science (Co-op available)

Paging future doctors—and dentists and chiropractors and other health care professionals. This top Medical Doctoral program provides pathways to medicine. Co-op success in virtually any professional health program in North America. Plus, it gives you the room to add a minor or pursue a variety of personal interests to round out your degree.

- Human Anatomy, Biology of Human Aging, Cell Biology of Human Disease
- Pharmaceutical, optometrist, physician

Biostatistics / FACULTY OF MATHEMATICS

- Bachelor of Mathematics (Co-op available)

Fight illness with a healthy dose of data. In Biostatistics— the only program of its kind in Canada—you’ll focus on clinical, public, and population health statistics. You’ll take courses in health studies, graduating with the strong data-based decision-making skills you need to be part of an effective health-care research team.

- Introduction to Medical Statistics, Management Information Systems, Statistical Methods for Life History Analysis
- Medical researcher, data analyst, select manager

Biotechnology/Chartered Professional Accountancy / FACULTY OF SCIENCE

- Bachelor of Science (Co-op only)

Earn a science degree with economic punch. In Canada’s only program to integrate biotechnology with business and computer science, you’ll learn to apply business knowledge to industrial and scientific technologies. Graduates ready to help the world capitalize on biotech breakthroughs, from tumour-fighting immune cells to eating bacteria.

- Fermentation Biotechnology, Biostatistics and Experimental Design, Economists, Analysts
- Economist, consultant, business, and customer insights analyst, financial, security advisor

Business Administration (Laurentian) and Computer Science (Waterloo) Double Degree / SCHOOL OF MANAGEMENT

- Bachelor of Business Administration (Laurentian) and Bachelor of Computer Science (Waterloo) Double Degree

Combine the worlds of business and data. In Waterloo’s online BA degree program, you’ll focus on one of the top 10 computer science programs in North America, learn world-class software, algorithm programming, and the limits of computation. At nearby Wilfrid Laurier University, you’ll study business essentials like brand communication, accounting, and management. Graduates ready to help the world capitalize on biotech breakthroughs, from tumour-fighting immune cells to eating bacteria.

- Researcher, software developer, analyst

- Professional Engineer, Computing and Information Technology, Computer Organization and Design
- CAE, Data Analyst, Business Analyst, Data Scientist (Waterloo), Chartered Professional Accountant

- Business analyst, software engineer, application developer

- Designing Functional Programs, Managing IT Operations, Understanding User Management
- Computer Organization and Design
- Canadian Information Systems, Information Technology Society (Waterloo), Chartered Professional Accountant

- Business analyst, software engineer, application developer

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- Designing Functional Programs, Managing IT Operations, Understanding User Management
- Computer Organization and Design
- Canadian Information Systems, Information Technology Society (Waterloo), Chartered Professional Accountant

- Business analyst, software engineer, application developer
COMPUTATIONAL MATHEMATICS AND OPTIMIZATION / FACULTY OF MATHEMATICS (M, Bachelor of Mathematics) Co-op available.
Make sense of the data in math’s most powerful way. Combinatorics focuses on finite structures, while optimization uses mathematics to help improve or make more efficient. Through courses in cryptography, graph theory, and linear programming (MATH 219), learn how to apply these ideas to problems in operations research, from plant location to airline scheduling.

DATA SCIENCE / DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (M, Bachelor of Science) Co-op available.
Learn about data science and its impact on the world. With courses taught by both faculty and industry partners, data science students gain skills such as data analysis, predictive modeling, and design thinking. This program prepares students for careers in data science, machine learning, and other fields.

ECONOMICS / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Make the world your sandbox in Canada’s largest undergraduate economics department. Learn to design, construct, and manage the infrastructure that powers our modern economy. From pollution-control facilities, to monorail transit, to the retail store that sells the newest smartphone, our majors and Minors will guide you in the analysis of the complex systems that make our world go round.

ENGINEERING / FACULTY OF ENGINEERING (B, Bachelor of Engineering) Co-op available.
Are you ready for a career in engineering? The University of Waterloo offers a wide range of engineering programs, from Civil Engineering to Mechatronics, that will prepare you for a successful career in any field.

ENVIRONMENTAL ENGINEERING / FACULTY OF ENVIRONMENT (B, Bachelor of Environmental Engineering) Co-op available.
Make the world your classroom. Explore how water, air, and land interact to create the environment we live in. From water treatment to pollution control, you’ll learn how to design systems that protect the environment.

FILM / ARTS AND DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (Honours Bachelor of Arts and Honours Bachelor of Computer Science) Co-op available.
Get the best of both worlds! The Film program offers a unique blend of film studies and computer science, allowing you to explore the intersection of technology and film.

GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT / FACULTY OF ENVIRONMENT (B, Bachelor of Environmental Studies) Co-op available.
Take the world by storm! Learn about the complex systems that shape our planet, from climate change to biodiversity conservation. This program will prepare you for a career in environmental management, policy, or research.

GENDER AND SOCIAL JUSTICE / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Explore the complex interplay of gender and social justice. From feminism to queer theory, this program will help you develop critical thinking skills and learn how to advocate for equality and justice.

GEOMETRY AND TOPOLOGY / FACULTY OF MATHEMATICS (M, Bachelor of Mathematics) Co-op available.
Explore the beauty of geometric shapes and patterns. From fractals to hyperbolic geometry, you’ll discover the hidden connections that make up our world.

HEALTH SYSTEMS MANAGEMENT / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Are you interested in the healthcare industry? This program will teach you the business side of healthcare, from healthcare policy to management.

HUMANITY IN THE ARTS / ARTS AND DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (B, Bachelor of Arts and Honours Bachelor of Computer Science) Co-op available.
Combine your love for the arts with the technical skills of computer science. This program will help you create immersive experiences that explore the intersection of art and technology.

INFORMATION SYSTEMS / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Explore the power of information technology. From database management to systems analysis, you’ll learn how to design and manage computer-based information systems.

INTERDISCIPLINARY / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Are you interested in a unique interdisciplinary program? This program allows you to design your own course of study, combining subjects from different faculties to suit your interests.

INTEGRATED MULTI-STREAM / FACULTY OF ENVIRONMENT (B, Bachelor of Environmental Studies) Co-op available.
Want to explore multiple areas of environmental studies? This program offers a flexible structure that allows you to specialize in areas that interest you.

INTERNATIONAL BUSINESS / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Are you interested in international business? This program will teach you the skills you need to succeed in the global marketplace, from cultural awareness to international trade.

INTERNSHIP PROGRAM / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Gain real-world experience by participating in an internship program. This program will help you apply your academic knowledge to practical situations.

INTEGRATED ENTERPRISE / FACULTY OF ARTS (B, Bachelor of Arts) Co-op available.
Are you interested in business and entrepreneurship? This program will teach you the skills you need to start and manage your own business.

JOURNALISM / ARTS AND DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (Honours Bachelor of Arts and Honours Bachelor of Computer Science) Co-op available.
Combine your love for writing with the technical skills of computer science. This program will help you create digital内容. Please provide additional context or alternative text if a visual representation is not possible.
Begin your journey at the University of Waterloo to pursue a variety of programs. Here are some highlights:

**INTERNATIONAL DEVELOPMENT / FACULTY OF ENVIRONMENT**
(E, Bachelor of Environment) Co-op available

- Study topics like poverty and inequality, environmental sustainability, and conflict.
- Develop skills that are highly sought after in the international development sector.

**ORGANIZATIONAL DESIGN AND TECHNOLOGY**
(E, Bachelor of Applied Science) Co-op available

- Focus on business systems, operations management, and information technology.
- Gain practical experience through co-op opportunities.

**MANAGEMENT ENGINEERING / FACULTY OF ENGINEERING**
(E, Bachelor of Applied Science) Co-op available

- Study industrial engineering, operations research, and systems analysis.
- Prepare for a career in management engineering or consulting.

**INTERNATIONAL RELATIONS / FACULTY OF ARTS**
(E, Bachelor of Arts) Co-op available

- Explore topics like international politics, diplomacy, and global governance.
- Develop skills in critical thinking and problem-solving.

**MATERIALS AND NANOSCIENCES / FACULTY OF SCIENCE**
(M, Bachelor of Science) Co-op available

- Study materials science and nanotechnology.
- Access to state-of-the-art research facilities and equipment.

**MEDICINAL CHEMISTRY / FACULTY OF SCIENCE**
(M, Bachelor of Science) Co-op available

- Study the synthesis, analysis, and properties of medicinal compounds.
- Focus on drug design and development.

**ACCOUNTANCY / FACULTY OF MANAGEMENT**
(M, Bachelor of Commerce) Co-op available

- Study financial and management accounting.
- Gain practical experience through accounting internships.

**MUSIC**
(E, Bachelor of Arts) Co-op available

- Study music history, theory, and performance.
- Explore a variety of majors, including music education, music business, and music therapy.

**NANOTECHNOLOGY ENGINEERING / FACULTY OF ENGINEERING**
(E, Bachelor of Applied Science) Co-op available

- Study nanotechnology and materials science.
- Access to cutting-edge research facilities.

**MEDICAL PHYSICS**
(E, Bachelor of Science) Co-op available

- Study the application of physics in medicine.
- Gain hands-on experience in research and clinical settings.

**PHYSICAL EDUCATION AND HEALTH PROMOTION**
(M, Bachelor of Health Sciences) Co-op available

- Study physical activity, health promotion, and wellness.
- Gain practical experience through co-op placements.

**MEDICAL AND BIOPHYSICS**
(E, Bachelor of Science) Co-op available

- Study the interactions between biological systems and physical principles.
- Gain experience in research and clinical settings.

**PHARMACY**
(M, Bachelor of Pharmacy) Co-op available

- Study the science and practice of pharmacy.
- Gain hands-on experience in pharmacy practice.

**OPTOMETRY**
(M, Doctor of Optometry) Apply to a competitive program.

- Study the science and practice of optometry.
- Gain experience in optometric practice.

**PROFESSIONAL PROGRAMS**
- Explore a variety of professional programs available at the University of Waterloo.
- Gain practical experience through co-op placements.

**CONCLUSION**
- Explore the wide range of programs available at the University of Waterloo.
- Gain practical experience through co-op placements.
- Make the most of your education with a variety of options available.

**FURTHER INFORMATION**
- Visit the University of Waterloo website for more information.
- Contact your program advisor for more specific information.

**RECOMMENDATIONS**
- Make a smart play: study the science of human behaviour.
- Make the most of your education with a variety of options available.
PEACE AND CONFLICT STUDIES / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

Arms and conflict, peace, development, and international relations. Learn from award-winning professors who are active in research, working with partners across the world. This program provides an understanding of how to shape policies that influence the peace and conflict-making processes.

PHYSICS AND ASTRONOMY / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available

The study of matter, energy, and the relationships between them. Learn from leading researchers in quantum physics and astrophysics. The program includes seminars in the university's black holes, the big bang, dark matter, and particle physics. A unique feature of this program is the major selection for students. Co-op is available.

PUBLIC HEALTH / FACULTY OF APPLIED HEALTH SCIENCES (E, Bachelor of Public Health) Co-op available

Preventive health care, health promotion, and disease prevention. The program is designed to prepare you for a career in public health. Co-op is available.

PRINCIPLES OF BUSINESS / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

Economics, accounting, finance, and management. This program is designed to provide you with the skills and knowledge needed for a successful career in business. Co-op is available.

PSYCHOLOGY / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

Cognitive, developmental, social, and clinical psychology. This program is designed to provide you with the skills and knowledge needed for a successful career in psychology. Co-op is available.

PSYCHOLOGY / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available

The study of the mind and behavior. This program is designed to provide you with the skills and knowledge needed for a successful career in psychology. Co-op is available.

PUBLIC HEALTH / FACULTY OF APPLIED HEALTH SCIENCES (M, Bachelor of Public Health) Co-op available

Preventive health care, health promotion, and disease prevention. The program is designed to prepare you for a career in public health. Co-op is available.

QUALITY MANAGEMENT / FACULTY OF ENGINEERING AND APPLIED SCIENCE (M, Bachelor of Engineering) Co-op available

The study of systems, processes, and procedures. This program is designed to provide you with the skills and knowledge needed for a successful career in quality management. Co-op is available.

RELIGIOUS STUDIES / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

History of Christianity, biblical studies, theology, and society. This program is designed to provide you with the skills and knowledge needed for a successful career in religious studies. Co-op is available.

RESEARCH AND DEVELOPMENT / FACULTY OF APPLIED HEALTH SCIENCES (M, Bachelor of Public Health) Co-op available

Preventive health care, health promotion, and disease prevention. The program is designed to prepare you for a career in public health. Co-op is available.

SOCIOLOGY / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

The study of society, social structures, and social processes. This program is designed to provide you with the skills and knowledge needed for a successful career in sociology. Co-op is available.

SOFTWARE ENGINEERING / FACULTY OF ENGINEERING AND APPLIED SCIENCE (M, Bachelor of Engineering) Co-op available

The study of software development. This program is designed to provide you with the skills and knowledge needed for a successful career in software engineering. Co-op is available.

SPORTS INFORMATION / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available

The study of sports administration, coaching, and analytics. This program is designed to provide you with the skills and knowledge needed for a successful career in sports information. Co-op is available.

STATISTICS / FACULTY OF MATHEMATICS (M, Bachelor of Mathematics) Co-op available

The study of data collection, analysis, and interpretation. This program is designed to provide you with the skills and knowledge needed for a successful career in statistics. Co-op is available.

SYSTEMS DESIGN ENGINEERING / FACULTY OF ENGINEERING (E, Bachelor of Applied Science) Co-op only

The study of systems design. This program is designed to provide you with the skills and knowledge needed for a successful career in systems design. Co-op is available.
### International Admission Requirements 2019

#### Indian System

First or Second Division standing in all of the following: (1) All India Senior School Certificate by ICSE or (2) Indian School Certificate awarded by CBSE, or (3) any other pre-university certificate awarded after 3 years of academic studies. Final grades will be evaluated based on board results.

**NOTE:**
- Std XII = Standard XII; overall = overall minimum final average;
- HL = Higher Level; SL = Standard Level; min = minimum final grade; general = overall minimum final average.

#### International Baccalaureate System

To be eligible, all 36 IB courses at minimum must be HL. Total scores exclude Diploma points. Where there are more than 3 prerequisite subjects, 5 courses will be accepted. For programs listing HL or SL English A, HL English B with min 5 will be acceptable. For programs listing HL or SL Mathematics, Math Studies will not be accepted unless stated otherwise.

**NOTE:**
- HL = Higher Level; SL = Standard Level; min = minimum final grade; total = overall minimum final average.

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**Program (APPLY TO) / System of Study / Additional Requirements**

<table>
<thead>
<tr>
<th>Program</th>
<th>Indian System</th>
<th>International Baccalaureate System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Studies</strong></td>
<td>Std XII Chemistry and Std XII Biology, min 70% in each. Overall 80% Std XII.</td>
<td>HL or SL Chemistry (HL recommended) and either HL or SL Biology, min 6 in each. Total 28.</td>
</tr>
<tr>
<td><strong>Kineticsology and regular co-op.</strong></td>
<td>Std XII Mathematics and Std XII Chemistry, min 70% in each. One of Std XII Physics or Std XII Biology, min 70%. Overall 80% Std XII.</td>
<td>Mathematics (HL recommended) and Chemistry (HL recommended), min 6 in each. One of HL or SL Physics or Biology, min 5, Total 28.</td>
</tr>
<tr>
<td><strong>Public Health and regular co-op.</strong></td>
<td>Std XII English, min 75%. Overall 80% Std XII.</td>
<td>HL or SL English A, min 6. Total 27.</td>
</tr>
<tr>
<td><strong>Recreation and Leisure Studies</strong></td>
<td>Std XII English, min 70%, Overall 80% Std XII.</td>
<td>HL or SL English A, min 6. Total 27.</td>
</tr>
<tr>
<td><strong>Accounting and Finance Management</strong></td>
<td>Std XII English, min 75%. Std XII Mathematics, min 75%. Overall 85% Std XII.</td>
<td>HL or SL English A, min 4, or SL English B, min 5. HL Mathematics, min 5 (individual consideration for SL Mathematics), min 6. Total 28.</td>
</tr>
<tr>
<td><strong>Global Business and Digital Arts</strong></td>
<td>Std XII English, min 75%. Overall 80% Std XII.</td>
<td>HL or SL English A, min 4, or SL English B, min 5. Total 27.</td>
</tr>
<tr>
<td><strong>Honours Arts (Reception, St. Jerome’s, Renison)</strong></td>
<td>Std XII English, min 70%. Overall 85% Std XII.</td>
<td>HL or SL English A, min 4, or SL English B, min 5. Total 27.</td>
</tr>
<tr>
<td><strong>Honours Arts and Business</strong></td>
<td>Std XII English, min 70%. Overall 85% Std XII.</td>
<td>HL or SL English A, min 4, or SL English B, min 5. Total 27.</td>
</tr>
<tr>
<td><strong>Computing and Financial Management</strong></td>
<td>Std XII Mathematics and one other Std XII academic course, min 90% in each. Std XII English, min 75%. All Std XII courses, min 85%.</td>
<td>HL, Mathematics, min 6. HL or SL English A, min 4, or HL English B, min 5. Total 32.</td>
</tr>
</tbody>
</table>

**ARCHITECTURE**

- **Architecture Co-op only.** AU required. Qualified applicants will be invited to complete an English precis-writing exercise and to submit a portfolio.

- **Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geospatial, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only.** AU required. Online interview strongly recommended. Individual selection may vary.

- **Software Engineering Co-op only.** Experience developing well-structured, modular programs is required. AU required. Online interview strongly recommended. Individual selection may vary.

**ENVIRONMENT**

- **Environment and Business Co-op only.** Std XII English, min 70%. Overall 80% Std XII. | HL or SL English A, min 4, or SL English B, min 5. Total 27. |

- **Environment, Resources and Sustainability; Geography and Environmental Management** | Std XII English, min 70%. Overall 80% Std XII. | HL or SL English A, min 4, or SL English B, min 5. Total 27. |

- **Geography and Aviation** | Std XII Mathematics and Std XII English, min 75% in each. Strongly recommended one of Std XII Physical or Environmental Science. Overall 80% Std XII. | HL or SL Mathematics, min 6. Std XII English, min 4. HL or SL English A, min 4, or SL English B, min 5. Strongly recommended one Std XII course in Physical or Environmental Science. Total 27. |

- **Geomatics Regular and co-op.** | Std XII Mathematics and Std XII English, min 70% in each. Overall 80% Std XII. | HL or SL Mathematics, min 6. Std XII English, min 4. HL or SL English A, min 4, or SL English B, min 5. Total 27. |

- **International Development Regular only.** | Std XII Mathematics, Std XII English, and one Std XII Science course, min 75% in each. Overall 85% in the 5 required courses. | HL or SL Mathematics, or SL Mathematics, min 4. HL or SL Science, min 4. HL or SL English A, min 4, or SL English B, min 4, Total 27. |

- **Knowledge Integration Regular only.** | Std XII Mathematics, Std XII English, and one Std XII Science course, min 75% in each. Overall 85% in the 5 required courses. | HL or SL Mathematics, or SL Mathematics, min 4. HL or SL Science, min 4. HL or SL English A, min 4, or SL English B, min 4, Total 27. |

**PLANNING**

- **Planning Co-op only.** Std XII English, min 75%. Overall 80% Std XII. | HL or SL English A, min 4, or HL English B, min 5. Total 27. |

**BUSINESS ADMINISTRATION (Laurier and Computer Science (Waterloo), Business Administration (Laurier) and Mathematics (Waterloo) – Double Degrees**

- **Computer Science** | Std XII Mathematics, min 90%. Std XII English. One other Std XII course, min 90%. All Std XII courses, min 85%. | HL or SL Mathematics, min 6. Std XII English, min 6. Total 27. |

**MATH**

- **Mathematics/Co-op only.** AU required. Individual selection may vary.

**ENGINEERING**

- **AIF and Accounting & Financial Management Admissions.** | AU required. Individual selection may vary. | Mathematics (HL recommended) and Chemistry (HL recommended), min 6 in each. One of HL or SL Mathematics, or SL Mathematics, min 6. Total 28. |

**HEALTH SCIENCES**

- **Biotechnology/Chartered Professional Accountancy** | Std XII Mathematics, min 70%. Std XII English, min 70%. Two of Std XII Biology, Std XII Chemistry, or Std XII Physics. One other Std XII course, min 80%, including required courses; except for Biotechnology/Chartered Professional Accountancy, overall 94% and for Biotechnology/Economics, overall 85%. | HL or SL Mathematics, min 4. HL or SL English A, min 4, or SL English B, min 4. Two of Biology, Chemistry, or Physics. Total 27 for all except Biotechnology/Chartered Professional Accountancy; total 35; Biotechnology/Economics, total 29. |
## Admission Requirements 2019

**American System**

<table>
<thead>
<tr>
<th>Program/Field</th>
<th>Additional Requirements</th>
<th>American System</th>
<th>British System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Studies</strong></td>
<td>Regular and co-op.</td>
<td>Senior-Level Chemistry and Senior-Level Biology (preferably one at the AP level), min 75% in each. Average 85%.</td>
<td>A-Level Chemistry and A-Level Biology, min B in each. One additional A-Level, min C.</td>
</tr>
<tr>
<td><strong>Kinesiology</strong></td>
<td>Regular and co-op.</td>
<td>Honours Pre-Calculus or AP Calculus, Senior-Level Chemistry; min 75% in each. One of Biology or Physics, min 75%, preferably at the AP level, min 3. Average 85%.</td>
<td>A-Level Mathematics, min C. A-Level Chemistry, min B. One additional A-Level, min B. One of Physics or Biology at the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Public Health</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 80%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Recreation and Leisure Studies</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Accounting and Financial Management</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 85%. AP Calculus and Algebra (Pre-Calculus), min 80% in each. Average 88%.</td>
<td>A-Level Mathematics, min A. A-Level English, min B. One additional A-Level at the AP level, min B. One other A-Level, min A. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Global Business and Digital Arts</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 80%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Manor Arts</strong></td>
<td>(Waterloo, St. Jerome’s, Renison) Regular and co-op.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Honours Arts and Business</strong></td>
<td>Regular and co-op. After applying, you may co-register through St. Jerome’s or Renison.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Computing and Financial Management</strong></td>
<td>Co-op only, AIF required.</td>
<td>AP Calculus exam, min 4. Algebra (Pre-Calculus). Grade 12 English, min 75%. Average 85%.</td>
<td>A-Level Mathematics and two other A-Level courses, min A in each. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Software Engineering</strong></td>
<td>Co-op only. Experience developing well-structured, modular programs is required. Online interview strongly recommended. Individual selection may vary.</td>
<td>AP Calculus (or equivalent), AP Physics (or 2 high school Physics courses when AP is unavailable). Algebra (Pre-Calculus), Chemistry, Grade 12 English, and two other Grade 12 academic courses, min 75% in each. Average 85% in the 6 required courses. SATs or ACTs required.</td>
<td>A-Level Mathematics and A-Level Physics, min A in each. One additional A-Level, min B. English at either the OCESE, AS, or A-Level, min B. One additional course at the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Environment and Business</strong></td>
<td>Co-op only.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Geography and Aviation</strong></td>
<td>Regular and co-op. Program Briefing Session, Transport Canada Category 1 Aviation Medical Certification required.</td>
<td>Grade 12 Mathematics and Grade 12 English, min 75% in each. Strongly recommended: one Grade 12 course in Physical or Environmental Science. Average 85% in the 6 required courses. SATs or ACTs required.</td>
<td>A-Level Mathematics, min B. Two other A-Level courses, min A and B. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Geomatics</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>International Development</strong></td>
<td>Regular and co-op.</td>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>Three A-Level courses, min 2 Bs and one C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Knowledge Integration</strong></td>
<td>Regular only.</td>
<td>Grade 12 Mathematics, Grade 12 Science, and Grade 12 English, min 85% in each. Average 85%.</td>
<td>A-Level Mathematics and one A-Level Science course, min B in each. One additional A-Level course, min C. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Planning</strong></td>
<td>Co-op only.</td>
<td>Grade 12 English, min 80%. Average 85%.</td>
<td>Three A-Level courses, min B in each. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Business Administration (Laurier) and Computer Science (Waterloo)</strong></td>
<td>Co-op only, AIF required. Individual selection may vary.</td>
<td>AP Calculus exam, min 4. Algebra (Pre-Calculus). Grade 12 English, Average 85%.</td>
<td>A-Level Mathematics, min A. Two other academic A-Level courses, min A in each. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Computer Science</strong></td>
<td>Regular and co-op.</td>
<td>AP Calculus exam, min 4. Algebra (Pre-Calculus). Grade 12 English, Average 85%.</td>
<td>A-Level Mathematics, min A. Two other academic A-Level courses, min A in each. English at either the OCESE, AS, or A-Level, min B.</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>Mathematics/Business Administration, Mathematics/Financial Analysis and Risk Management</td>
<td>Regular and co-op.</td>
<td>AP Calculus exam, min 4. Algebra (Pre-Calculus). Grade 12 English, Average 85%.</td>
</tr>
<tr>
<td><strong>Mathematics/Chartered Professional Accountancy</strong></td>
<td>Co-op only.</td>
<td>AP Calculus (prefered) or Grade 12 Mathematics, min 75%, Grade 12 English, min 75%. Algebra (Pre-Calculus), Two of Biology, Chemistry, Physics, or Statistics, A-level Mathematics, min C. One additional A-Level, min B. English at either the OCESE, AS, or A-Level, min B.</td>
<td></td>
</tr>
</tbody>
</table>

### Australian System

**American and British Systems**

- **A-Level Mathematics**: min A in each course.
- **A-Level English**: min B in each course.
- **A-Level Science**: min B in each course.
- **A-Level Geography**: min B in each course.
- **A-Level History**: min B in each course.
- **A-Level Music**: min B in each course.
- **A-Level Art**: min B in each course.
- **A-Level Drama**: min B in each course.
- **A-Level Design**: min B in each course.
- **A-Level Media**: min B in each course.
- **A-Level Business**: min B in each course.
- **A-Level Economics**: min B in each course.
- **A-Level Psychology**: min B in each course.
- **A-Level Sociology**: min B in each course.
- **A-Level Geography**: min B in each course.
- **A-Level History**: min B in each course.
- **A-Level Music**: min B in each course.
- **A-Level Art**: min B in each course.
- **A-Level Drama**: min B in each course.
- **A-Level Design**: min B in each course.
- **A-Level Media**: min B in each course.
- **A-Level Business**: min B in each course.
- **A-Level Economics**: min B in each course.
- **A-Level Psychology**: min B in each course.
- **A-Level Sociology**: min B in each course.
- **A-Level Geography**: min B in each course.
- **A-Level History**: min B in each course.
- **A-Level Music**: min B in each course.
- **A-Level Art**: min B in each course.
- **A-Level Drama**: min B in each course.
- **A-Level Design**: min B in each course.
- **A-Level Media**: min B in each course.
- **A-Level Business**: min B in each course.
- **A-Level Economics**: min B in each course.
- **A-Level Psychology**: min B in each course.
- **A-Level Sociology**: min B in each course.
- **A-Level Geography**: min B in each course.
- **A-Level History**: min B in each course.
- **A-Level Music**: min B in each course.
- **A-Level Art**: min B in each course.
- **A-Level Drama**: min B in each course.
- **A-Level Design**: min B in each course.
- **A-Level Media**: min B in each course.
- **A-Level Business**: min B in each course.
- **A-Level Economics**: min B in each course.
- **A-Level Psychology**: min B in each course.
- **A-Level Sociology**: min B in each course.
- **A-Level Geography**: min B in each course.
- **A-Level History**: min B in each course.
- **A-Level Music**: min B in each course.
- **A-Level Art**: min B in each course.
- **A-Level Drama**: min B in each course.
- **A-Level Design**: min B in each course.
- **A-Level Media**: min B in each course.
- **A-Level Business**: min B in each course.
- **A-Level Economics**: min B in each course.
- **A-Level Psychology**: min B in each course.
- **A-Level Sociology**: min B in each course.
INTERNATIONAL ADMISSION REQUIREMENTS 2019

CHINESE SYSTEM

Chinese High School Diploma Completion of a minimum of five Senior 3 academic courses, Hui Kao examination results.

NOTE:
min = minimum grade
overall = minimum overall average
Hua Kao examinations results provided by China Qualifications Verification are required from all Chinese National Curriculum students. If you are not writing the Hua Kao, you must submit a formal explanation to the Admissions Committee. For more information, refer to the program admission requirements on our website.

APPLICATION TIPS
- If you’re from a high school outside of North America and not following the American, British, Caribbean Advanced Proficiency Examination, Chinese, Indian, or International Baccalaureate system of study, you should attach course descriptions for senior level mathematics along with your transcripts.
- Repeated courses may be taken into consideration, depending on major.
- Engineering, Mathematics, and Science programs may consider GCE level English as a Second language, provided that you also submit a satisfactory English language test score.

CARIBBEAN ADVANCED PROFICIENCY EXAMINATION

Canadian Secondary Education Certificate with passes in at least five subjects, two of which must be at the Unit 2 level.

NOTE:
min = minimum final grade
overall = minimum overall average
Gao Kao examinations results will be reviewed for competitive programs. Overall 88% in 5 required courses.

APPLICATION TIPS
- If you are not writing the Gao Kao, you must submit a formal explanation to the Admissions Committee. For more information, refer to the program admission requirements on our website.

CARIBBEAN AND CHINESE SYSTEMS

GEOLOGY

Architectural Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geological, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Geological, and Environmental Management, Regional and co-op.

Software Engineering Co-op only. Experience developing well-structured, modular programs is required. AF required. Online interview strongly recommended. Individual selection may vary.

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Geological, and Environmental Management, Regional and co-op.

Software Engineering Co-op only. Experience developing well-structured, modular programs is required. AF required. Online interview strongly recommended. Individual selection may vary.

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geologic, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AF required. Online interview strongly recommended. Individual selection may vary.

GEOMATICS

Geomatics Regular and co-op.

Geomatics Regular and co-op.

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Geomatics Regular and co-op.

Environmental Science

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Environmental and Business Co-op only.

Geography and Aviational Co-op only. Program Briefing Session and Transport Canada Liaison, Aviation Medical Certificate required.

Geography and Aviational Co-op only. Program Briefing Session and Transport Canada Liaison, Aviation Medical Certificate required.

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Environmental and Business Co-op only.

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doi:10.1038/nature16165
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Biotechnology

Biotechnology/Chartered Professional Accountancy Co-op only. AF required. English at the CXC, Unit 1, or Unit 2 level.

Biotechnology/Chartered Professional Accountancy Co-op only. AF required. English at the CXC, Unit 1, or Unit 2 level.

Biotechnology/Chartered Professional Accountancy Co-op only. AF required. English at the CXC, Unit 1, or Unit 2 level.

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Let's get started.

Apply to Waterloo

WHEN ARE MY APPLICATION AND SUPPORTING DOCUMENTS DUE?

<table>
<thead>
<tr>
<th>FALL TERM</th>
<th>DATE APPLICATION INFORMATION AND FEES MUST REACH OUAC</th>
<th>DATE DOCUMENTS MUST REACH WATERLOO</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 2018 – Most programs</td>
<td>March 26, 2019</td>
<td>April 5, 2019</td>
</tr>
</tbody>
</table>

EXCEPTIONS

- Architecture: February 1, 2018
- Accounting and Financial Management: February 1, 2018
- Conditional Admissions: January 14, 2018
- Engineering, Software Engineering: March 1, 2018
- Mathematics: February 1, 2018

WHAT ABOUT ENGLISH LANGUAGE TEST SCORES?

If you’re academically admissible but don’t quite meet our English language requirements, you may be offered conditional admission through Waterloo’s English Language for Academic Studies (ELAS) or Bridge to Academic Success in English (BASE). Learn more about these programs on page 17.

WHAT’S AN ADMISSION INFORMATION FORM (AIF)?

The AIF lets you tell us about your extracurricular activities, explain extreme circumstances which may have affected your grades, and brag a little about how great you are. We often use the AIF in addition to your grades to make admission decisions. For many programs an AIF is required, but we recommend all applicants submit an AIF.

WHAT IF MY ENGLISH LANGUAGE TEST SCORES ARE TOO LOW?

If you have any questions, flip over the checklist to find a list of key contacts.

HOW TO APPLY AND FINANCES

APPLY TO WATERLOO

Let's get started.

Why make things complicated? Simply tear off the checklist on page 49 and complete each step by the deadline. You’ll be a Warrior in no time. If you have any questions, flip over the checklist to find a list of key contacts.

HOW DO I GET STARTED?

Your first stop is the Ontario Universities’ Application Centre (OUAC) website: ouac.on.ca.

Complete the 105 application and make arrangements to have your high school send us your transcripts. All of your official documents, including transcripts and English language test results, must be sent directly from the issuing institution or testing authority.

WHAT ARE MY APPLICATION AND SUPPORTING DOCUMENTS DUE?

<table>
<thead>
<tr>
<th>OPTION 1</th>
<th>OPTION 2</th>
<th>OPTION 3</th>
<th>OPTION 4</th>
<th>OPTION 5</th>
<th>OPTION 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet-based TOEFL</td>
<td>IELTS</td>
<td>MELAB</td>
<td>CAEL</td>
<td>PTE (Academic)</td>
<td></td>
</tr>
<tr>
<td>90 overall</td>
<td>6.5 overall</td>
<td>85 overall</td>
<td>70 overall</td>
<td>3 speaking</td>
<td></td>
</tr>
<tr>
<td>6.5 writing, 6.5 speaking</td>
<td>6.5 reading, 6.5 listening</td>
<td>60 per band</td>
<td>62 overall</td>
<td>81 reading, 61 writing</td>
<td></td>
</tr>
<tr>
<td>5 speaking, 3 speaking</td>
<td>5 speaking</td>
<td>60 speaking</td>
<td>70 overall, 90 overall, 75% overall, 600 levels</td>
<td>75% oral</td>
<td></td>
</tr>
</tbody>
</table>

Transfer credits will be considered for Advanced Placement (AP) and International Baccalaureate (IB) courses if you’re applying to programs in the Faculties of Applied Health Sciences, Arts, Environment, Mathematics, or Science, or the School of Architecture.

Notes:
- Results must be sent directly from the college board or the IBO.
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ENTRANCE SCHOLARSHIPS AND BURSARIES

$1,000 MERIT SCHOLARSHIP
85-89.9% admission average

$2,000 PRESIDENT’S SCHOLARSHIP
90-94.9% admission average

$10,000 INTERNATIONAL STUDENT ENTRANCE SCHOLARSHIPS
Awarded based on academic performance, contest or assignment scores, and Admission Information Form submissions

86% of first-year students received an entrance scholarship for fall 2017

TUITION FEES

(For Two Academic Terms)

<table>
<thead>
<tr>
<th>PROGRAM/FACULTY</th>
<th>INTERNATIONAL TUITION (STUDY PERMIT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Financial Management*</td>
<td>$29,210</td>
</tr>
<tr>
<td>Business Administration</td>
<td>$20,352</td>
</tr>
<tr>
<td>Business Administration</td>
<td>$19,644</td>
</tr>
<tr>
<td>Computer Science, Business Administration</td>
<td>$19,644</td>
</tr>
<tr>
<td>Engineering, Software Engineering</td>
<td>$24,676</td>
</tr>
<tr>
<td>Global Business and Digital Arts</td>
<td>$21,166</td>
</tr>
<tr>
<td>Mathematics</td>
<td>$19,644</td>
</tr>
<tr>
<td>Mathematics/Financial Analysis and Risk Management</td>
<td>$19,644</td>
</tr>
<tr>
<td>Science</td>
<td>$20,352</td>
</tr>
</tbody>
</table>

EARN WHILE YOU LEARN

Co-op students earn an average of $10,200 in their first work term. These co-op earnings can go a long way to helping pay tuition fees and living expenses. Alternatively, you may choose to work part-time on your study visa*. Our provincial minimum wage is $14 per hour and is set rise in 2019.

*Exceptions apply; visit details are available at www.canada.ca.

LIVING EXPENSES

** Residence

From $5,775 (traditional style) to $7,685 (suite-style).

** Meal Plan

From $4,750 (lite) to $5,200 (hearty).

** Personal Expenses

$3,100 on average ($385/month). Expenses may include phone, laundry, and entertainment; depends on your lifestyle.

** Books and Supplies

Most programs estimate $2,150 ($4,000 for Architecture students).

Tuition and Scholarships

Hard earned, well spent.

Estimate your total first-year costs using our online budget calculator. Our website also offers detailed information on scholarships and faculty-specific awards.
Getting to class is a walk in the park on our pedestrian-friendly campus. Enjoy gardens, patios, and creekside benches in the summer, or dart through tunnels and overpasses in the winter. No building on campus is ever more than a 15-minute walk away.

uwaterloo.ca/future/visit

GOOGLE MAPS

lets you navigate campus pathways

3 satellite campuses in Cambridge, Kitchener, and Stratford

100+ buildings on our main Waterloo campus

ACKNOWLEDGEMENT OF TRADITIONAL TERRITORY

We acknowledge that the University of Waterloo is located on the traditional territory of the Neutral, Anishnaabeg, and Haudenosaunee people.
APPLICATION CHECKLIST

Your guide to full-time undergraduate studies at Waterloo.

uwaterloo.ca/future/apply

1. APPLY ONLINE.
   Apply to Waterloo and our University Colleges (Renison and St. Jerome’s) through the Ontario Universities’ Application Centre.
   ouac.on.ca

2. LOG IN TO QUEST.
   Quest is our student information system. We’ll email you your Waterloo ID and details about getting started. Add myapplication@uwaterloo.ca and askus@uwaterloo.ca to your contacts so you don’t miss our emails!

3. SEND US YOUR MARKS.
   In addition to your official transcripts, we may require other documentation (e.g., proof of English-language instruction).

4. COMPLETE YOUR ADMISSION INFORMATION FORM (AIF).
   Some programs require an interview and/or portfolio in addition to your AIF. Check the admission charts for details.

5. WAIT TO HEAR FROM US.
   To help pass the time, check out our first-year residences. Once you accept your offer, your next decision is choosing where to live.