DISCOVER YOUR STORY AT WATERLOO
Welcome to your next chapter.

You’re getting ready to embark on your biggest adventure yet. And you’re looking for the right place to make it happen. A place where your curiosity meets world-class professors. Where your thirst for experience meets North America’s largest co-op program. Where your big ideas meet an ecosystem of creators inside Canada’s innovation corridor. And where your limitless potential meets communities that support your bright future.

*Let’s explore the story of you and Waterloo.*
WHY WATERLOO

From artificial intelligence to sustainability to social progress, the future is full of possibility – and uncertainty. As a Waterloo graduate, you’re uniquely positioned to rise to the challenge: deeply curious, always engaged, and boldly driven to make the world better.

CALLING ALL CHANGEMAKERS

CANADA’S MOST INNOVATIVE university for 28 consecutive years (1992–2020) (Maclean’s University Ranking)

FOUNDED IN 1957 with engineering and co-operative education as cornerstones
CALLING ALL
CHANGEMAKERS

#1 COMPREHENSIVE
RESEARCH
university in Canada (Research Infosource, 2020)

HOME OF DREAMERS
AND DOERS

Love a challenge? Us too. Since the
beginning, Waterloo has been a place
where you can bring your passion,
grit, and determination to explore and
innovate – and have fun doing it. With
our long-standing industry partnerships,
focus on real-world solutions, and
relentless spirit of entrepreneurship,
there’s a reason we’re known as
Canada’s innovation university.

ALTOGETHER
UNSTOPPABLE

Discover the place where your passions
and positive impact collide. Here, in the
midst of thought-provoking professors,
inspiring peers, workplace mentors, and
startup advisors, you’ll find your niche –
and your network. They’ll support your
success, challenge you to dive deeper,
and even share in your excitement
about the things that light you up.

JOIN THE SOLUTION

Forget four or five years down the
road. Your future starts right here,
right now. Dive into leading-edge
academic programs, full-time work
experiences, and exciting opportunities
to launch your ideas. Graduate with the
skills, knowledge, and mindset to make
meaningful change in a complex world.

IGNITE YOUR IMPACT

Discover the Waterloo difference at
uwaterloo.ca/future/rankings

WHY WATERLOO
THE CITY OF DREAMERS

A PLACE TO ROAM AND FEEL AT HOME

If you love the energy of a big urban centre – transportation, culture, and nightlife – with the charm and familiarity of a small town, you’ll find your happy place in the city of Waterloo.

FOR AN INSIDER’S LOOK AT WATERLOO CHECK OUT:

#KWAwesome

Uptown Waterloo restaurants, shops, cafés, music, and clubs are a quick walk or bus ride from campus.
BALANCE WORK WITH PLAY

Need a break from the books? Warriors refuel with fun! Attend any of Waterloo’s 1,200+ festivals and events, enjoy the international culinary scene, or explore natural areas where you can camp, hike, fish, or even river tube. Plus, Canada’s entertainment capital, Toronto, is just a bus or train ride away.

GO YOUR OWN WAY

Use your student card to ride local buses (Grand River Transit) and light rail transit (ION) for easy access to adventure in all three of Waterloo Region’s cities – Waterloo, Kitchener, and Cambridge. You can also get around by bikeshare, carshare, shuttle service, and more. Need to see family, visit friends, or catch a flight at Toronto’s Pearson International Airport? The Greater Toronto Area (GTA) and surrounding cities are about an hour away by bus or train.

IMMERSE YOURSELF IN STARTUP CULTURE

Whether you want to be an entrepreneur or land an opportunity in a vibrant job market, living in one of the world’s top tech hubs gives you a leg up. Everything you need to kickstart a venture or brush elbows with up-and-coming founders is within a few minutes of campus.

GET TO KNOW THE CITY

uwaterloo.ca/future/city
Waterloo’s co-op program adds up to two years of paid professional work to your résumé. Be future ready and prepared to step into your dream job when you graduate.
DIFFERENCE MAKERS AND SHAKERS

Through co-op work terms each year, students land roles that help them round out their learning with future-ready skills. Hear from some current students about their experience in co-op.

JONATHAN, HONOURS ARTS
Political Science major
“I gained quite a lot of confidence in working with others, working to develop and think about smart policy and think about the many considerations that take place as part of everyday political life.”

RUPA, COMPUTER ENGINEERING
“I think innovation is crucial, it’s not something that’s inherent, it’s developed. Like any other skill, it requires time and practice, and co-op offers exactly that. It’s unique because co-op unlocks your own creative potential.”

BRAD, PLANNING
“It’s a really great place to grow and [Habitat for Humanity] empowers you to take on new skills and sometimes things you have no idea how to do.”

EMILY, HEALTH SCIENCES
“I never expected to be able to write papers and do these things that many doctors and researchers are doing. As an undergraduate I think it’s incredible, but also something I would have never imagined.”

RYAN, HONOURS MATHEMATICS
Actuarial Science major
“Through the co-op program you can figure out what you want to do, what you don’t want to do, and maybe confirm some inklings that you had coming into the program about what you thought that you would like.”

OMAR, LIFE SCIENCES
Biology major
“I really got to explore every facet of research during my co-op term there and it spans from government clinical trials, to even starting up some of my own smaller research projects and see them to the end.”
CO-OP

STACK YOUR RÉSUMÉ WITH REAL-WORLD SKILLS

With access to North America’s largest selection of co-op jobs, you’ll test drive exciting careers and build a world-class professional network.

MORE WAYS TO BUILD EXPERIENCE

EDGE CERTIFICATE
Develop professional skills, explore career options, and learn how to market yourself in this certificate 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.

EXCHANGE AND STUDY ABROAD
Satisfy your wanderlust and your degree requirements through 100+ exchange and study-abroad opportunities.

PROFESSIONAL DEVELOPMENT PROGRAM (WATPD)
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 as you earn the Student Leadership Program certificate.
96% of employed co-op grads find jobs related to skills gained at Waterloo within six months of graduation (OUGS survey, 2014-16 graduates)

82% of Waterloo co-op grads earn $50,000 two years after graduation compared to 45 per cent of all Ontario grads (OUGS survey, 2016 graduates)

HOW CO-OP WORKS

In co-op programs, you’ll typically alternate between four months as a full-time student and four months as a full-time, paid employee.

BEFORE EACH WORK TERM
› Update your résumé
› Apply to jobs
› Interview with employers
› Get support from student advisors

ON THE JOB
› Adapt to different workplaces
› Take professional development courses
› Grow in confidence, knowledge, and certainty about your future path

4 MONTHS IN SCHOOL. 4 MONTHS OF WORK. REPEAT.

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

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

GO IN-DEPTH WITH CO-OP
uwaterloo.ca/future/co-op
CREATOR COMMUNITY

Welcome to a place where good ideas grow into game-changing solutions. If you’re brewing up something big, we’ve got the creator community and entrepreneurial ecosystem to bring it to life.

FROM YOUR MIND AND INTO THE WORLD

WE HAVE LIFTOFF

You bring the passion and determination. Our incubators bring the resources, mentorship, and financial support you need to contribute something new and meaningful to the world.

INCUBATION STATION

› VELOCITY is Canada’s most productive early-stage startup incubator that helps founders scale globally.

› CONCEPT is an experiential innovation program for student entrepreneurs to gain skills needed to commercialize their ideas.

› GREENHOUSE provides resources and mentorship to help students drive social or environmental impact.

› EPP PEACE INCUBATOR links startups to social innovation tools and mentorship.

› THE PROBLEM LAB delivers events, workshops, and competitions for entrepreneurs.

› CONRAD SCHOOL OF ENTREPRENEURSHIP AND BUSINESS offers programs and competitions to help students turn ideas into opportunities.

“CREATOR OWNS”

intellectual property policy means your great ideas belong to you
FIVE WAYS TO FUEL YOUR CREATIVITY

Whether you want an outlet for your ingenuity or the space to create cool stuff, opportunities to innovate are as diverse as Waterloo.

1. **EMBRACE YOUR INNER MAKER**
   using the high-end digital fabrication tools in the Architectural Engineering Maker Space (AEMS).

2. **UNLEASH YOUR IMAGINATION** in our Fine Arts facilities, with equipment for ceramics, metal fabrication, painting, drawing, digital media, photography, printmaking, sculpture, woodworking, and more.

3. **SHARE YOUR VOICE** through student-run publications, including Imprint, The Radicle (Environment), mathNEWS, The Iron Warrior (Engineering), Her Campus Waterloo, and more.

4. **MOVE FROM IDEATION TO CREATION** with support from coaches, mentors, and workshops. You’ll learn how to prepare for your first pitch and test the waters in one of our many pitch competitions.

5. **BUILD YOUR BUSINESS FOR ACADEMIC CREDIT** by enrolling in specialized entrepreneurial courses and co-op programs at the Conrad School of Entrepreneurship and Business.

READY, SET, LAUNCH
Make your ideas happen at [uwaterloo.ca/future/creator](http://uwaterloo.ca/future/creator)
Warriors get there faster. With classroom learning, industry experience, and career support woven throughout your degree, you graduate impact-ready. Plus, you’ll be in good company – with all-star alumni making waves in their industry, communities, and the world at large.

LEAVE YOUR LIMITS BEHIND

220,000+ alumni in 151 countries graduated since 1957

12 former Waterloo students were named to “top 30 under 30” international lists in 2019
LEARN ON

Once a Warrior, always a Warrior! Even after you graduate, our alumni resources are always here to help you explore your career options, upgrade your skills, and make connections through our global alumni network.

CAN’T STOP, WON’T STOP

Hungry for more? If you’re like nearly half of incoming Waterloo students, you plan to pursue more education after your undergrad degree. Keep a good thing going by considering one of our 180+ research and professional graduate programs.

WHERE WILL YOU WIND UP?

As a Waterloo grad, you’ll be joining more than 220,000 other alumni who have used their education to achieve great things. From health care technology inventors to sustainability experts, our graduates make a difference where it’s needed most.

HUNDREDS of Waterloo alumni have made their mark by founding and leading companies, including Axonify, BlackBerry, BLUISH, Four All Ice Cream, Hiyvy Health, SheCycle, Youth Climate Lab, and more!

- **RUPI KAUR (BA ’15)**
  Honours Arts and Business
  New York Times best-selling author and illustrator

- **DIANA CHIU (BSC ’05, MBET ’06)**
  Science and Business
  Senior manager, business development
  DuckDuckGo

- **JONATHAN LAURENCIC (BA ’10)**
  Recreation and Business
  Co-founder and director of operations
  Elora Brewing Company

YOUR CAREER STARTS HERE

Discover a world of opportunity at

[www.uwaterloo.ca/future/career-success](http://www.uwaterloo.ca/future/career-success)
FIRST-YEAR YOU

DISCOVER WHERE YOU’RE MEANT TO BE

First-year students and King Warrior participating in Orientation and Welcome Week, where you’ll connect with future classmates, experience unique Waterloo traditions, and learn all about the university and our Warrior community.
WATERLOO EXPERIENCES

ATTEND ORIENTATION
“The atmosphere was supportive and vibrant, and I was able to forget the stress of being away from home. My friendships with the people I met in Orientation grew stronger over the months in university – I consider them my Waterloo family.”
– Jahnvi, Honours Arts and Business, Psychology major, Co-op

FEEL AT HOME IN CANADA
“The first week I was in Canada, I was able to open a bank account, get a cell phone number, and obtain my S.I.N. with relative ease. The University has many resources to make settling into Canada an easy process, and I was even able to open my first bank account on campus with the help of very supportive and friendly staff.”
– Lichheng, Planning, Co-op

EXPLORE THE CITY
“Waterloo has a lot of parks and open spaces to enjoy. A lot of places are within walking distance. This made getting from one place to another and sight-seeing pretty simple and convenient.”
– Shiyan, Mathematics, Co-op

BUILD YOUR COMMUNITY
“I joined a club for the first time in years – the Association of Caribbean Students! I wasn’t interested at first, but that club really made my first and second year at Waterloo. The events, the people … the entire club became a whole family. We were truly iconic.”
– Keidi, Life Sciences, Biology major, Co-op

MEET WITH A MENTOR/UPPER-YEAR STUDENT
“One of the first people I met was an upper-year mentor who took the time to help me through tough times in first year, giving me a broader perspective on my education and the decisions I made. I’m truly grateful for such a helpful and supportive community.”
– Siddharth, Business Administration (Laurier) and Computer Science (Waterloo) Double Degree

DISCOVER MORE FIRST-YEAR YOU STORIES
uwaterloo.ca/future/life
Success comes easier when you have a community of people cheering you on. Through clubs, events, activities, and more, you’ll form communities that connect you to fun times, new experiences, and all-around support and care.
VARSITY TEAMS

- co-ed
- women
- men

Badminton
Baseball
Basketball
Cross-Country
Curling
Field Hockey
Figure Skating
Football
Golf
Hockey
Nordic Skiing
Rugby
Soccer
Squash
Swimming
Tennis
Track and Field
Volleyball

YOUR VOICE ON CAMPUS

The Waterloo Undergraduate Student Association (WUSA) represents your concerns and promotes student life on campus. Get involved in clubs, student-run services, and résumé-building opportunities, including student government, jobs, and volunteering.

HIT THE CLUBS

Whatever your interest or hobby, there’s a club for that. From breakdancing to board games to Buddhism, our 200+ clubs, societies, and associations help you make friends, fuel your passions, and learn new skills. You can even start your own!

STAY ACTIVE

Keep your body and mind healthy while staying connected to campus life through our fitness facilities, athletics clubs, intramural sports, varsity teams, and drop-in classes.

NEW FRIENDS, LIFELONG MEMORIES

Your student experience isn’t complete without the lasting memories and bonds you’ll form during annual Warrior events and activities – from Orientation and Welcome Week to trivia nights, faculty events, theatre productions, and more.

FREE entry to Waterloo Warriors home games with your WatCard

200+ academic, supportive, social, religious, political, sports, and cultural student-run clubs to join

PICTURE YOURSELF HERE

uwaterloo.ca/future/life
START STRONG

Studying in a different country takes hard work and ambition, but you don’t have to do it alone. Find support from the start through International Orientation, English language learning, cultural student groups, and more.

HERE FOR YOU FROM DAY ONE

UPGRADE YOUR ENGLISH

If you meet our academic requirements but your English language scores are lower than required, you may get a conditional offer of admission that allows you to take intensive language courses while earning credit toward your Waterloo degree.

See page 54 for our English language requirements and details about the Bridge to Academic Success in English (BASE) program.

PRACTICE WITH PEERS

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

› English Conversation Cafés
› Conversation Partner Program
› Language and Culture Corner
ACCESS HEALTH AND DENTAL CARE

Need to visit a physician, dentist, or counsellor? All these services and more are available on campus and covered through the University Health Insurance Plan (UHIP) and our supplemental health and dental plan.

FIND COMFORT IN COMMUNITY

Ease your transition to Waterloo with the support of the International Peer Community. Build new friendships and learn about Canadian culture through activities on and off campus. With more than 30 cultural clubs you can join, it’s also easy to connect with students from home.

100+ countries are represented by our undergraduate students

1 IN 5 undergraduate students are international visa students

Regulated Canadian Immigration Consultants offer immigration advice on campus

START STRONG AT WATERLOO

uwaterloo.ca/future/international-support
RESIDENCE LIFE

LOVE WHERE YOU LIVE

Living in residence puts you in the middle of the action. Choose the environment that fits your needs while making friends and memories that last long after graduation.

24/7 supports available, such as front desk assistants and residence life staff

69% of students in residence say it’s easy to meet people (compared to 29% off-campus)
Whether you’re hitting the books, hanging out with friends, or enjoying some quiet time, there’s dedicated space for that – including areas for studying, fitness, prayer, music, and more.

**SAMPLE ROOM FLOOR PLANS**

**MAKE IT YOUR OWN**

Your home away from home should suit your budget and personality. Choose from traditional or suite-style residences through Campus Housing or the University College residences. No matter where you live on campus, you’ll find personal and academic support, new friends, and exciting experiences.

**UNBEATABLE EATS**

Whether you want a hearty breakfast or a quick snack, there’s no shortage of food options on campus! Our meal plans make it quick and affordable to enjoy fresh food from 40 vendors, with halal, kosher, vegan, or made-to-order options for those with allergies or dietary restrictions.

**BIRDS OF A FEATHER NEST TOGETHER**

Want to live and learn with students from your program? Apply to an Academic Cluster or a Living-Learning Community (LLC) to be grouped with students in your program, peers who share your passion, or fellow athletes.

**GET TO KNOW YOUR DON**

Dons are fun, caring upper-year students who live in the residences and help you feel supported and included. They organize events, monitor safety, and offer assistance around the clock.

**EXPLORE ON-CAMPUS LIVING**

[uwaterloo.ca/future/residence](uwaterloo.ca/future/residence)
CARE AND SUPPORT

FIND YOUR CHEERING SQUAD

120 Campus Wellness staff members to support you

HOME TO THE GLOW CENTRE Canada’s oldest continuously run 2SLGBTQ+ student organization since 1971
STRENGTH IN DIVERSITY

INTERNATIONAL AND CANADIAN STUDENT NETWORK*
With the goal of making all students feel at home, this network connects local, international, and exchange students through weekly events.

THE GLOW CENTRE FOR SEXUAL AND GENDER DIVERSITY*
The Glow Centre supports all sexual orientations and gender identities by offering confidential peer support, discussion groups, social events, and resources.

RACIAL ADVOCACY FOR INCLUSION, SOLIDARITY AND EQUITY (RAISE)*
RAISE lifts students up by addressing the impacts of racism and xenophobia in our community.

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

WELLNESS ON CAMPUS

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.

COUNSELLING SERVICES
Counselling Services supports your personal, social, and academic experiences through one-on-one counselling, group therapy, and skills seminars.

MENTOR ASSISTANCE THROUGH EDUCATION AND SUPPORT (MATES)*
Offering one-to-one peer support and workshops, MATES helps you through academic, personal, and mental health challenges.

EMPOWER ME
Empower Me is a confidential mental health and wellness service available to you 24/7 through phone, video call, or in person.

STUDENT SUPPORT

STUDENT SUCCESS OFFICE (SSO)
The SSO provides academic support programs, leadership workshops, peer coaching, exchange and study abroad programs, and more. They also help you adjust to life in Canada by providing access to free immigration consulting appointments and resources to help with your immigration documents.

ACCESSABILITY SERVICES
AccessAbility Services designs and facilitates academic accommodation plans if you have a permanent, temporary, or even suspected disability.

EQUITY OFFICE
The Equity Office advances equity across campus through policies, practices, and programs.

SEXUAL VIOLENCE PREVENTION AND RESPONSE OFFICE (SVPRO)
SVPRO provides support to anyone who has experienced or been impacted by sexual violence.

PRESIDENT’S ANTI-RACISM TASKFORCE (PART)
PART works to amplify the voices of Black, First Nation, Inuit, Métis, and other Peoples of Colour and address racism at Waterloo.

FIND SUPPORT AT EVERY STEP

HERE 24/7 provides addiction, mental health, and crisis services in person and over the phone

uwaterloo.ca/future/support

*provided by Waterloo Undergraduate Student Association (WUSA)
ALL ABOUT PLACE

Discover Waterloo’s most iconic spots.

HAGEY HALL

EARTH SCIENCES MUSEUM

WILLIAM G. DAVIS COMPUTER RESEARCH CENTRE

THE LIVING WALL IN ENVIRONMENT 3

DISCOVER MORE BY FOLLOWING US ON INSTAGRAM

@uofwaterloo
WARNER
ACCOUNTING AND FINANCIAL MANAGEMENT, CO-OP

Ready to get your hands dirty? Growing up on his family’s 100-acre farm, Warner was immersed in all aspects of the business. Problem-solving, planning, and learning how to be successful inspired him to study accounting and finance.

His upbringing also nurtured an all-hands-on-deck mentality – something Warner brought to campus as a Living-Learning Community Peer Leader and co-ordinator of the University of Waterloo Accounting Conference (UWAC). At Waterloo, he’s found a community of people with “similar passions and things that motivate us to want to keep striving to do better.”

LEARN WHERE INNOVATION THRIVES

Business

Whether you dream about being an entrepreneur, working for a global brand, or helping a startup scale, you’ll meet your match here. Find passionate peers, world-class teachers, endless co-op opportunities, and an entrepreneurial culture, all at Waterloo.
DRIVEN BY EMPLOYER NEEDS

Created in collaboration with employers, our programs give you an edge in the marketplace, expand your portfolio, and let you explore passions that will help you define your industry niche. Find yourself working in paid co-op positions with top business leaders, while learning from a community of mentors and other self-starters.

TAKE YOUR BIG IDEA TO MARKET

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.

TOP 10

in Canada for business and management studies, and accounting and finance (QS World Rankings, 2021)

HOME OF VELOCITY

Canada’s most productive startup incubator

BUSINESS PROGRAMS

› Accounting and Financial Management
› Biotechnology/Chartered Professional Accountancy
› 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
› Sustainability and Financial Management

uwaterloo.ca/future/business
NATHANIAL
HONOURS ARTS,
FRENCH STUDIES MAJOR

“What if I change my mind?” This question – and the flexibility to switch programs risk-free – drew Nathaniel to Arts. After first year, he made an easy transition from Political Science and Legal Studies to French Studies. That decision deepened his passion for French culture and led him to study abroad in France.

“I know university feels like a big transition – and it is. But you have a whole bunch of time... And you can decide along the way if you want to change your route.”

PASSION IS YOUR COMPETITIVE ADVANTAGE

Faculty of Arts

In Honours Arts and Honours Arts and Business, you spend 40% of your time studying a chosen major

90 partner universities offer international study exchanges to Arts students
This is the place where your curiosity will intersect with creativity and critical thinking. With 29 honours majors to choose from, you’ll enrich your perspective through learning that spans diverse disciplines and a community that challenges you to dive deeper. Pursue co-op terms, career-focused minors, study-abroad adventures, and experiential education certificates. You’ll graduate with the skills and experience to succeed wherever your curiosity leads.

ENTRY PROGRAMS
Learn more about Arts entry programs, majors, and specializations on pages 40-47, 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
› Sustainability and Financial Management

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

PROFESSIONAL DEGREE
› Social Work (Renison University College)

Apply after completing your undergraduate degree.

MAJORS
› Anthropology
› Classical Studies
  ▪ Classical Studies
  ▪ Classics (includes learning Greek and Latin)
› Communication Studies
› Economics
› English
  ▪ Literature
  ▪ Literature and Rhetoric
  ▪ Rhetoric, Media, and Professional Communication
› Fine Arts
  ▪ Studio Practice
  ▪ Visual Culture
› French
› Gender and Social Justice
› German
› History
› Legal Studies
› Liberal Studies
› Medieval Studies
› Music
› Peace and Conflict Studies
› Philosophy
› Political Science
› Psychology
› Religious Studies
› Sexuality, Marriage, and Family Studies
› Social Development Studies
› Sociology
› Spanish
› Theatre and Performance

uwaterloo.ca/future/arts
Prepare to unlock limitless possibilities! For Aileen, Environmental Engineering courses and fieldwork allowed her to build a unique skill set that she applied to launch her own startup, BeBlended, and pursue six diverse co-op experiences – including one in Belgium.

“Sure, you learn a lot of theory. But in Engineering at Waterloo, you apply what you’re learning to the real world. In general, engineering teaches you how to solve problems with so many constraints and minimal resources. Realizing that engineers are problem solvers really helped me lay the groundwork for my entrepreneurial journey.”
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 40-47, or go online to download an Engineering brochure.

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

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

*Students graduate with an Honours Bachelor of Architectural Studies degree from the School of Architecture located in Cambridge, Ontario.

uwaterloo.ca/future/engineering
CULTIVATE THE POWER OF YOUR POINT OF VIEW

Faculty of Environment

MICHELLE ENVIRONMENT AND BUSINESS, CO-OP

If you don’t have a clear sense of your career path, Michelle can relate. Instead, she followed her passions for climate action and sustainability to the Environment and Business program at Waterloo. Now she’s blazing her own trail through co-op, volunteering, and extracurricular experiences.

Whether it’s writing for the Environment student newspaper or serving as sustainability commissioner for Waterloo’s undergraduate student association, Michelle sees university as an opportunity to grow in all ways – not just academically.

“The people I’m most inspired by are using school as a way to achieve their actual goals.”
Join a global movement advocating for a greener, more sustainable future – whatever your #earthgoals are/may be. 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 40 to 47, or go online to download an Environment brochure.

› Climate and Environmental Change
› Environment and Business
› Environment, Resources and Sustainability
› Geography and Aviation
› Geography and Environmental Management
› Geomatics
› International Development
› Knowledge Integration
› Planning
› Sustainability and Financial Management

uwaterloo.ca/future/environment
What learning environment do you thrive in? For Manal, hands-on experiences help her learn in a way no textbook can. That’s part of the reason she fell in love with Public Health. From pursuing co-op to conducting community health initiatives to drafting a mock policy brief proposal for Health Canada for one of her classes, Manal’s experience in the Faculty of Health has immersed her in real-world learning.

“I can confidently say I no longer feel like academics are a chore. I just had to find a program I was passionate about.”
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 well-being.

53% of Health Sciences and Kinesiology graduates go on to professional or graduate school

98% of Health grads are employed or pursuing further education within a year of graduating

ENTRY PROGRAMS AND MAJORS

Learn more about Health entry programs and majors on pages 40 to 47, or go online to download a Faculty of Health brochure.

› Health Sciences
› Kinesiology
› Public Health
› Recreation and Leisure Studies*
  ▪ Recreation and Leisure Studies
  ▪ Recreation and Sport Business
  ▪ Therapeutic Recreation

*Select your major when you apply. You’ll start your selected major in first year.

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

uwaterloo.ca/future/health
NAVYA
COMPUTING AND FINANCIAL MANAGEMENT, CO-OP, STATISTICS MINOR

At Waterloo, you can tailor your experience to what lights you up. For Navya, who grew up building LEGO models and in awe of Siri, that means exploring fundamental questions in machine learning.

Through co-op experiences building trading algorithms at the Bank of Montreal, doing operations analytics for Loblaws, and working in back-end engineering at Splunk, he’s been able to dabble in “a wide range of industries while, at the same time, specializing in a niche subject I’m really passionate about.”

WHERE PROBLEMS SEEK SOLVERS

Faculty of Mathematics
TOP 3 in Canada for mathematics  
(QS World Rankings, 2021)

TOP 25 in the world for computer science  
(QS World Rankings, 2021)

Take your talent to the next level with a degree in mathematics or computer science. With more than 500 courses in every area of mathematics, statistics, and computer science to choose from, you’ll develop the theoretical and applied knowledge you need to succeed. 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 Mathematics entry programs and majors on pages 40 to 47, or go online to download any of our 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
  ● Mathematical Studies
  ● Mathematics/Teaching
  ● Pure Mathematics
  ● Statistics
› Mathematics/Business Administration
  ● Information Technology Management
› Mathematics/Chartered Professional Accountancy
› Mathematics/Financial Analysis and Risk Management
› Software Engineering

*You apply to Mathematics for access to these majors that begin at the end of first year or later.

uwaterloo.ca/future/mathematics
AISHWARYA
PHYSICAL SCIENCES, CO-OP,
PHYSICS MAJOR

Where will your passion lead you?
Aishwarya’s love of physics started at eight years old when he attended an astronomy workshop and first learned about constellations and space travel. “I ate up encyclopedias like people read Harry Potter books.”

Learning from renowned theoreticians at Waterloo and working as a research assistant at the Institute for Quantum Computing have only deepened Aishwarya’s curiosity.

“I chose physics because it’s versatile. It teaches you problem solving and develops that intuitive mindset you can use to work in basically any field.”

EXPERIMENT WITH YOUR POSSIBILITIES

Faculty of Science
In our most research-centric faculty, use your curiosity, ingenuity, and passion for knowledge to discover everything from atoms and cells to the vast expanses of space. Learn to think critically, experiment confidently, and engage intelligently through hands-on labs, projects, and co-op terms. Participate in groundbreaking research, or test your ideas in our Science Innovation Hub. Whichever path you choose to explore, your Science degree will give you the foundation you need to succeed.

**ENTRY PROGRAMS AND MAJORS**

Learn more about these programs on pages 40 to 47, or go online to download any of our Science brochures.

- Biotechnology/Chartered Professional Accountancy
- Environmental Science
- Honours Science
- Life Sciences
  - Biochemistry
  - Biology
  - Biomedical Sciences
  - Psychology
- Physical Sciences
  - Chemistry
  - Earth Sciences
  - Life Physics
  - Materials and Nanosciences
  - Mathematical Physics
  - Medicinal Chemistry
  - Physics
  - Physics and Astronomy
- Science and Aviation
- Science and Business

*Select your major when you apply. You’ll start your selected major in first year.

**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.

[Link] uwaterloo.ca/future/science
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!

*NOTE ABOUT NEW PROGRAMS: Prospective students are advised that offers of admission to a new program may be made only after the University’s own quality assurance processes have been completed and the Ontario Universities Council on Quality Assurance (OUCQA) has approved the program.
ACCOUNTING AND FINANCIAL MANAGEMENT / FACULTY OF ARTS AND SCHOOL OF ACCOUNTING AND FINANCE
(E, Bachelor of Accounting and Financial Management) Co-op only
Shape the future of business and communities by becoming a professional with expertise in business, accounting, and financial management. Lead change by applying and extending your learning with co-op, career specializations, and extra- and co-curriculars while working toward a Chartered Professional Accountant (CPA) and/or Chartered Financial Analyst (CFA) designation.
- Accountant, auditor, investment banker

ACTUARIAL SCIENCE / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Predict the future — without a crystal ball. In one of North America’s top-ranked actuarial science programs, you’ll use math and statistics to predict uncertain events such as stock market performance or an insurance company’s payouts. Prepare for professional actuary designation with courses in finance, risk theory, pensions, mathematics, and more.
- Corporate Finance, Applied Linear Models, Investment Science
- Actuarial analyst, consultant, financial analyst

ANTHROPOLOGY / FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
From Neanderthals to Gen Z, discover what it means to be human. Explore evolution and early societies, or tackle contemporary issues such as violence and media. Whether you’re examining fossils and bones in the lab or conducting fieldwork in the Mediterranean, the Arctic, or Africa, you’ll learn more about how the human race has evolved over time.
- Biological Anthropology; Skeletal Biology and Forensics; Archaeological Field School
- Archaeologist, curator of natural property, heritage planner

APPLIED MATHEMATICS / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Apply your knowledge of mathematical concepts and computational tools to complex issues in areas such as communications engineering or climate change.
- Computational Methods for Differential Equations, Introduction to Mathematical Biology, Actuarial Science
- Biology, Economics, Engineering, Physics, Scientific Computation
- Researcher, software developer, analyst

ARCHITECTURAL ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Build better buildings (and a bright career in the process). In this program, you’ll cover the science of good building design, including mechanics, building systems, structural analysis, and structural design — 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 Studio; Electrical/Structural Design
- Building Structures, Building Systems
- Building design consultant, project manager, designer, construction consultant

ARCHITECTURE / SCHOOL OF ARCHITECTURE
(E, Bachelor of Architectural Studies) Co-op only
Create the framework for a great career in one of North America’s top schools of architecture. From day one, you’ll have your own dedicated studio space to develop your ideas as you explore the relationship between architecture, technology, the environment, and society. In fourth year, study at our studio in Rome. Questions? Email architecture@uwat. A
- Design Studio; Introduction to Cultural History; Visual and Digital Media; Environmental Building Design; Building Construction; Digital Fabrication
- Architect, project manager, urban designer, industrial designer, sustainable development and heritage professional

BIOCHEMISTRY / FACULTY OF SCIENCE
(M, Bachelor of Science) Co-op available
Play with the building blocks of life. Combine classroom courses in biology and chemistry with extensive lab work (where you’ll learn things like chromatography, electrophoresis, and protein analysis). You’ll graduate ready for careers in forensic science, pharmaceuticals, medical diagnostics, agriculture, biotechnology, and more.
- Fundamentals of Metabolism, Intro Analytical Chemistry, Genetics
- Biotechnology
- Toxicologist, biomaterials researcher, health care professional

BIOLOGY / FACULTY OF SCIENCE
(M, Bachelor of Science) Co-op available
Study life: It’s in your DNA. With more than 80 courses available — including labs and fieldwork — this program gives you lots of opportunity to explore the functions of living organisms, where they come from, and how they evolve. You can also choose our Bioinformatics Option, combining biological analysis with computer science.
- Fundamentals of Microbiology, Principles of Human Physiology, Diversity of Life
- Biologist, veterinarian, environmental consultant, physician, pharmacist, optometrist

BIOMEDICAL ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Create tomorrow’s life-saving and life-enhancing innovations. In this interdisciplinary program, you’ll study engineering principles in biology, mechanics, physics, systems analysis, and design. With plenty of hands-on experience in biological and medical systems, you’ll graduate ready to develop new technology for health care or athletics.
- Introduction to Biomedical Design, Engineering Biology, Physiological Systems Modelling
- Biologist, veterinarian, environmental consultant, physician, pharmacist, optometrist

BIOTECHNOLOGY/CHARTERED PROFESSIONAL ACCOUNTANCY / FACULTY OF SCIENCE AND SCHOOL OF ACCOUNTING AND FINANCE
(E, Bachelor of Science) Co-op only
Spreadsheets plus science and paid co-op experience equals career success. This unique program prepares you for professional accountability and advisory roles in the growing biotech sector. After graduation, earn your Master of Accounting (MACc) degree in only eight months – an optional next step in becoming a Chartered Professional Accountant (CPA).
- Analytical Methods in Molecular Biology, Business Strategy, Fermentation Biotechnology
- Accountant, finance coordinator, analyst

BUSINESS ADMINISTRATION (LAURIER) AND COMPUTER SCIENCE (WATERLOO) DOUBLE DEGREE / FACULTY OF MATHEMATICS
(E, Bachelor of Business Administration and Bachelor of Computer Science) Co-op only
Combine the worlds of bytes and business — and earn two degrees in five years. In one of the top computer science programs in Canada, you’ll learn about software development, algorithms and data structures, and artificial intelligence. At nearby Wilfrid Laurier University, you’ll study business essentials like brand communication, accounting, and marketing.
- Designing Functional Programs; Understanding the Business Environment; Computer Organization and Design
- Business analyst, software engineer, application developer

BUSINESS ADMINISTRATION (LAURIER) AND MATHEMATICS (WATERLOO) DOUBLE DEGREE / FACULTY OF MATHEMATICS
(E, Bachelor of Business Administration and Bachelor of Mathematics) Co-op only
Five years, two degrees, one serious edge. Combine Waterloo’s strength in mathematics with the business expertise of Wilfrid Laurier University, and earn two prestigious degrees in the time it takes to earn one co-op degree. You’ll graduate from one of Canada’s most technical business programs with analytical and problem-solving skills that will set you apart.
- Financial Mathematics, Management Information Systems, Introduction to Optimization
- Securities trader, management analyst, corporate strategist

CHEMICAL ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Discover how to transform raw materials while putting your creativity and problem solving to the test. You’ll learn to design, implement, and supervise the processes that transform fuel into energy, waste into resources, and raw materials into useful products in almost any industry: biotechnology, pollution control, green fuels, power storage, health care, food production, and more.
- Chemical Reaction Engineering, Electrochemical Engineering, Bioprocessing Engineering, Air Pollution Control, Food Process Engineering, Process Optimization, Process Data Analysis
- Energy and Environmental Systems and Processes; Materials and Manufacturing Processes; Process Modelling, Optimization and Control
- Pharmaceutical design and production, microelectronics manufacturing, process systems engineering, process safety management
CHEMISTRY / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available

Fire up the Bunsen burners in one of Canada’s top chemistry programs. You’ll learn from leading experts in the industry, work with advanced chemical instrumentation in our labs, and participate in cutting-edge research. This program is accredited by the Canadian Society for Chemistry and the Chemical Institute of Canada.

- Multi-Component Analysis; Structure and Bonding; Inorganic Chemistry
- Computational Chemistry, Biobased Chemistry
- Analytical chemist, chemistry patents agent, forensic scientist

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

Make the world your sandbox in Canada’s largest civil engineering program. Learn to design, construct, and manage the infrastructure we all depend on: highways, dams, pollution-control facilities, and more.

- Structure and Properties of Materials; Engineering and Sustainable Development; Civil Systems and Project Management
- Geotechnical, Transportation, Structural, Water Resources
- Design and construction of highways, buildings, urban transportation, and water systems

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

Delve into the roots of Western civilization. Gain a deep understanding of history, culture, literature, religion, art, philosophy, and society in ancient Greece and Rome – cultures that continue to shape our thinking and our society today. Take advantage of study-abroad opportunities in the Mediterranean. Language courses are optional. Choose Classics or Classical Studies as your major (Classics includes learning Greek and Latin).

- Greek Art and Architecture; Astrology and Magic; Roman History
- Teacher, reference librarian, technical writer

NEW CLIMATE AND ENVIRONMENTAL CHANGE / FACULTY OF ENVIRONMENT (E, Bachelor of Science) Co-op available

Get ready to tackle the world’s biggest environmental crisis. Gain deep scientific knowledge in climate change, master practical tools like computer modelling, and hone the skills to build a low-carbon future. You’ll combine classroom learning with hands-on experience in labs and fieldwork – and paid work experience through the co-op option.

- Physical Climatology; Earth’s Future Climates; Ice Sheets and Glaciers
- Aviation, Economy and Society, Geomatics
- Climate modeler, climate risk scientist, policy analyst, carbon market analyst, renewable energy specialist, environmental consultant

COMBINATORICS AND OPTIMIZATION / FACULTY OF MATHEMATICS (M, Bachelor of Mathematics) Co-op available

Master two of math’s most powerful techniques. Combinatorics focuses on finite structures, while optimization explores ways to make an operation more efficient. Through courses in cryptography, graph theory, and linear programming, you’ll learn how to apply these ideas to problems in areas ranging from security to scheduling to risk analysis.

- Introduction to Combinatorics, Introduction to Optimization
- Developer, operations research analyst, cryptographer

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

In this exciting, highly interactive program, you’ll explore how our everyday forms of communication come about and shape our perspective of the world. Through creative, collaborative, and critical engagement, you’ll prepare for a career in public relations, broadcasting, journalism, or marketing. Choose Communication Arts and Design Practice as your major for a stronger emphasis on how meaning is created through creative digital design.

- Persuasion, Crisis Communication, Digital Presentation
- Strategic planning officer, communications officer, digital media coordinator

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

Get ready to solve industrial-sized problems. In one of the world’s top schools for math and computer science, learn to analyze data sets and formulate to better understand the world around us. You’ll develop computer modelling skills to tackle mathematical problems found in business, economics, engineering, finance, medicine, and science.

- Data Structures and Data Management; Logic and Computation; Stochastic Simulation Methods
- Project manager, enterprise architect, software developer

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

Why choose? Develop software savvy and hardware know-how. Build and test computer hardware and software in our state-of-the-art labs. You’ll work with everything from smartphones to massive engineered systems in networked environments. Plus, gain valuable work experience in Waterloo Region: a high-tech hub home to more than 1,500 technology companies.

- Systems Programming and Concurrency; Computer Networks; Computational Intelligence
- Full stack software development, embedded platform engineering, data analytics

COMPUTER SCIENCE / DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (E or M, Bachelor of Computer Science or Bachelor of Mathematics) Co-op available

Learn to optimize, adapt, and use technology in new ways to solve old problems. In this exciting, highly interactive program, you’ll develop a broad understanding in areas including systems and networks, algorithms, and software engineering. With 70+ computer science courses and loads of options and electives, you’ll have lots of freedom to explore your interests. Questions? Email future-ugrad@cs.uwaterloo.ca.

- Designing Functional Programs; Data Structures and Data Management; The Social Implications of Computing
- Software developer, web developer, business or risk modelling analyst

COMPUTING AND FINANCIAL MANAGEMENT / SCHOOL OF ACCOUNTING AND FINANCE AND DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (E, Bachelor of Computing and Financial Management) Co-op only

Develop the know-how, networks, and experience to land a career in computer science or finance – or both. Combine your interdisciplinary studies with six co-op work terms in software development, banking, investments, risk management, or insurance to set yourself apart in a competitive marketplace. Questions? Email cfm@uwaterloo.ca.

- Object-Oriented Software Development; Regression and Forecasting Methods in Finance; Equity Investments
- Software developer, quantitative analyst, investment banking analyst

DATA SCIENCE / DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE (M, Bachelor of Computer Science or Bachelor of Mathematics) Co-op available

Make sense of the tsunami of data produced by business, scientific, and social activities. Develop the foundation in computing systems, data analytics, statistics, and machine learning you need to extract meaningful information from data. You’ll graduate with the skills to predict trends and help governments and businesses make better decisions.

- Computer Organization and Design; Data Visualization; Data Structures and Data Management
- Data scientist, statistician, business analyst

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

Launch a career that rocks. Explore the world under your feet in close-knit classes and through field experiences led by professors known internationally for their geological and water research. You’ll graduate ready to develop meaningful environmental protection plans, predict natural disasters, advance health standards for water, and more.

- Earth System Science, Petrography, Mineralogy
- Geology, Geophysics, Hydrogeology
- Hydrogeologist, geologist, geophysicist

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

From piggy banks to the World Bank, learn how wealth is produced, distributed, and consumed – and how it shapes society, politics, and culture. You’ll cover the fundamentals of micro- and macro-economics and analyze how these principles play out in a wide range of sectors, including finance, public policy, and international economics.

- Economics of Sport, Business Finance, Environmental Economics
- Econometrics, Finance, Public Policy
- Financial planner, marketing research manager, economist, financial analyst, international finance manager

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

Set yourself up for an electrifying future – explore electronic devices, control systems, and digital systems in some of North America’s best electrical engineering student labs. By mastering the design principles required to build the latest technologies in power, information, and energy, you’ll open the door to hundreds of possible careers!

- Semiconductor Physics and Devices; Power Systems and Smart Grids; Electromagnetic Fields and Waves
- Communications and Signal Processing
- Autonomous vehicle control, renewable energy development, sensor and actuator design

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

Go beyond emojis. Our 150+ undergraduate courses give you all kinds of opportunities to explore the written word. Examine English literature, language, and new media while honing your skills as a communicator. Choose one of three majors: Literature, Literature and Rhetoric, or Rhetoric, Media, and Professional Communication.

- Popular Poster, Introduction to Critical Game Studies, Global Shakespeare
- Creative Writing, Digital Media Studies, Global Literatures, Technical Writing, Communication Design
- Communications manager, media relations specialist, technical writer, publisher, social media strategist
ENVIRONMENT AND BUSINESS / FACULTY OF ENVIRONMENT
(E, Bachelor of Environmental Studies) Co-op only
Eco-warrior, meet business mogul. The only program of its kind in Canada, this degree gives you in-depth knowledge of environmental issues and the business world. Cover everything from stakeholder engagement and industrial ecology to finance, project management, marketing, and more. Then, put it all into practice in co-op work terms.

● International Corporate Responsibility
● Green Entrepreneurship, Business Finance
● Sustainability analyst, environmental stewardship manager, environmental policy advisor

ENVIRONMENT, RESOURCES AND SUSTAINABILITY / FACULTY OF ENVIRONMENT
(E, Bachelor of Environmental Studies) Co-op available
Become a sustainability superhero. Use insights from the natural, physical, and social sciences to help solve some of the world’s biggest environmental challenges – from water scarcity to pollution to loss of biodiversity. Learn about conserving and restoring ecosystems, and explore issues in environmental politics, policy, and governance.

● Communities and Sustainability: Environmental and Sustainability Assessment; Ecosystem Assessment
● Terrestrial and wetland biologist, sustainability policy analyst, sustainable energy consultant

ENVIRONMENTAL ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Save the planet with a degree from Canada’s largest environmental engineering program. Combine the technical rigour of engineering with a broad education in chemistry, biology, geology, and more. You’ll graduate ready to clean up the world’s water, soil, and air pollution – and to prevent future environmental problems.

● Air Quality Engineering; Environmental and Sustainability Assessment; Environmental Modelling
● Energy, Hydrology, Pollution Treatment and Control
● Product design for air pollution control systems, process design for water treatment, protection and revitalization of ecosystems

ENVIRONMENTAL SCIENCE / FACULTY OF SCIENCE
(E, Bachelor of Science) Co-op available
Earn a science degree, Protect the Earth. Ranked among the top 10 in Canada, this program gives you a scientist’s perspective of ecological and geological systems. You’ll graduate with the knowledge, creativity, and expertise to create a more sustainable world.

● Organismal and Evolutionary Ecology; Environmental Toxicology; Applied Wetland Science
● Ecology, Geoscience, Water Science
● Geoscientist, ecologist, environmental consultant

FINE ARTS / FACULTY OF ARTS (M, Bachelor of Arts)
Co-op available
Explore the power of visual communication. Develop a critical understanding of art through painting, drawing, sculpture, printmaking, computer imaging, art history, and film studies. Choose Visual Culture or Studio Practice as your focus. With drawing, painting, sculpture, printmaking, you’ll graduate prepared to fill a spot in teacher’s college at Nipissing University.

● History of Film and Visual Media; Observational Drawing; Digital Imaging
● Teaching Preparation, Digital Art
● 3D visual effects artist, illustrator, teacher, web designer, curator, interior designer, art therapist

FRENCH / FACULTY OF ARTS (M, Bachelor of Arts)
Co-op available
Chez Waterloo, les possibilités sont infinies. A French degree gives you a valuable edge in almost any field of study in Québec or France, or live on the French-language residence floor on campus. And if you choose our French Teaching Specialization, you’ll graduate prepared to fill a spot in teacher’s college at Nipissing University.

● Introduction to Translation, Business French, Children’s Literature in French
● Professional French; French Teaching; Intensive French and Francophone Literatures and Cultures
● Director of international sales, immigration officer, translator, teacher

GENDER AND SOCIAL JUSTICE / FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
Be an advocate for equity, justice, and positive change. Explore multi-layered marginalization and understand cultural patterns of oppression based on attributes such as gender, sexual orientation, race, and disability. Learn how you can contribute to building just and inclusive communities.

● Gender and Social Justice in Popular Culture; The Waves of Feminist Thought; Global Queer Cinema
● Counselling coordinator, social worker

GEOGRAPHY AND AVIATION / FACULTY OF ENVIRONMENT
(E, Bachelor of Environmental Studies) Regular system of study only
Take to the skies with Canada’s largest university-level aviation program. You’ll earn a degree from one of the country’s top-ranked geography departments – plus your Commercial Pilot Licence. Between the classroom and the cockpit, you’ll explore landforms, weather patterns, Geographic Information Systems (GIS), and more.

● Global Environmental Systems, Introduction to Geographic Information Systems, Professional Pilot Program Course
● Pilot, first officer, flight training instructor

GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT / FACULTY OF ENVIRONMENT
(E, Bachelor of Environmental Studies) Co-op available
Join the movement, meet the moment. Explore how people shape our planet as you dive into Earth’s physical and human systems and hone your technical skills in environmental analysis. Learn about climate change, landforms, population growth, Geographic Information Systems (GIS), and other key topics in one of Canada’s top-ranked geography programs.

● Global Environmental Systems; Environment and Development in a Global Context; Earth’s Future Climates
● Environmental stewardship coordinator, sustainability consultant, teacher

GEODETICS / FACULTY OF ENVIRONMENT
(E, Bachelor of Environmental Studies) Co-op available
Geotag, you’re it! Tap into Waterloo’s world-class computer science expertise when you join this fast-growing field that combines the power of computing with geographic and environmental analysis. Learn to use tools such as remote sensing, computer mapping, GPS, and Geographic Information Systems (GIS) to analyze data and make meaningful decisions.

● Earth from Space Using Remote Sensing; Geodesy and Surveying; Geoweb and Location-based Services
● Data analyst, GIS operator, remote sensing specialist

GERMANY / FACULTY OF ARTS (M, Bachelor of Arts)
Co-op available
Get an education that’s wunderbar. We offer way more than just German language courses. Explore German culture, film, literature, and linguistics, or add classes in Slavic languages like Russian and Croatian. You can even earn credits studying in Germany. You’ll graduate with valuable skills for careers in education, business, and government.

● German through Comics, German for Professional Purposes, German Filmmakers in Hollywood
● Editor and communications manager, business analyst, sales manager

GLOBAL BUSINESS AND DIGITAL ARTS / FACULTY OF ARTS
(E, Bachelor of Global Business and Digital Arts) Co-op only
Lead business into the future through the power of digital media. Explore cross-cultural communication and management, digital design, and emerging technologies. Spend your upper years at the Stratford School of Interaction Design and Business, and enhance your learning with co-op. Questions? Email stratfordprograms@uwaterloo.ca.

● Introduction to Digital Media Design; Marketing in the Digital World; Working in Teams and Project Management
● User experience designer, social media manager, digital marketing specialist, project manager

HEALTH SCIENCES / FACULTY OF HEALTH
(E, Bachelor of Science) Co-op available
It’s true: an ounce of prevention is worth a pound of cure. Learn how to promote healthy lifestyles and improve health-care systems by combining the science and social aspects of health. You’ll graduate ready to tackle global epidemics, transform public health policy, and more – or pursue further studies in medicine, epidemiology, or nursing.

● Principles of Pathobiology, Global Health, Epidemiology of Communicable Diseases
● Addictions, Mental Health, and Policy; Gerontology; Health Informatics; Health Research; Pre-Clinical
● Health professional (e.g., medical doctor, nurse, epidemiologist, occupational therapist, midwife, genetic counselor), research coordinator, health informatics consultant
Combining valuable business studies with one of graduate. Refer to your specific major of interest (M) for details. After applying, you may get up to 20 months of paid work experience before you graduate. Refer to your specific major of interest (M) for more details. Also offered at St. Jerome’s University and Renison University College, smaller academic communities on Waterloo’s campus.

**Honours Arts and Business / Faculty of Arts (E, Bachelor of Arts) Co-op available**

Pursue your passions. Shape your future. Explore a variety of subjects, or immerse yourself in one of 29 Arts majors. Choose to add co-op and get up to 20 months of paid work experience before you graduate. Refer to your specific major of interest (M) for more details. Also offered at St. Jerome’s University and Renison University College, smaller academic communities on Waterloo’s campus.

**Honours Science / Faculty of Science (E, Bachelor of Science) Regular system of study only**

Deciding is difficult. If you’re still exploring the sciences that intrigue you most, Honours Science is a brilliant choice. You’ll have the flexibility to take the courses you want or hand-pick the ones you need, which is convenient if you plan to apply to a professional school with prerequisite course requirements.

- Fundamentals of Microbiology
- Modern Physics
- Geochrome
- Physician, optometrist, pharmacist, genetic counselor, teacher

**Information Technology Management / Faculty of Mathematics (M, Bachelor of Mathematics) Co-op available**

Become fluent in IT talk and business jargon. Combine computer science studies in systems analysis, e-business, and networks with business courses such as marketing, project management, and statistics. You’ll graduate with the ability to apply IT solutions to business processes and bridge the gap between CEO and computer specialist.

- Management Information Systems
- Electronic Business
- Computer Applications in Business
- Databases
- Business systems analyst, web developer, database administrator

**International Development / Faculty of Environment (E, Bachelor of Environmental Studies) Regular system of study only**

Get the toolkit you need to build a better world. Tackle issues of economic inequality, social injustice, and environmental change, and apply your skills on an eight-month overseas placement. You’ll graduate knowing how to design development projects that are ethical, environmentally sustainable, culturally responsible, and evidence-based.

- Problem Solving for Development
- Global Cities in Global Development
- Introduction to Social Entrepreneurship
- Not-for-profit program manager, international partnership manager, grant officer

**Kinesiology / Faculty of Health (E, Bachelor of Science) Co-op available**

Make a smart play: study the science of human movement. In this multidisciplinary program, you’ll gain hands-on skills in preventing, assessing, and treating movement-related illness and injury (and study anatomy on real human cadavers). Choose from four specializations to prepare for a career or professional programs like medicine, chiropractic, or physiotherapy.

- Human Anatomy
- Fundamentals of Neuroscience
- Musculoskeletal Injuries in Work and Sport
- Ergonomics and Injury Prevention
- Human Nutrition, Medical Physiology, Rehabilitation Sciences
- Health professional (e.g., medical doctor, physical therapist, occupational therapist, athletic therapist, kinesiologist, chiropractor), ergonomist, clinical research associate, exercise physiologist

**Knowledge Integration / Faculty of Environment (E, Bachelor of Knowledge Integration) Regular system of study only**

Pursue all your passions. More than a mix of arts and science, this program is built around a core set of skills that equip you to understand and solve tough problems, communicate effectively, and make a difference in a complex and changing world. Choose a traditional specialization or create one that is uniquely yours.

- Collaboration, Design Thinking, and Problem Solving
- Nature of Scientific Knowledge
- Creative Thinking
- Collaborative Design: Science, Technology, and Society
- Business analyst, design strategist, user experience researcher, lawyer, physician

**Legal Studies / Faculty of Arts (M, Bachelor of Arts) Co-op available**

Judge the impact of the legal system (no gavels required). Explore the law and courts from the viewpoint of political science, history, sociology, philosophy, and peace and conflict studies. Because law touches almost every aspect of society, this requirement degree is great preparation for a career in government, business, law enforcement, or the law itself.

- Criminology
- Women and the Law
- Children’s Rights in Canada
- Legal assistant, records clerk, executive researcher, probation and parole officer, lawyer

**Liberal Studies / Faculty of Arts (M, Bachelor of Arts) Co-op available**

Who says you can’t have it all? With Liberal Studies, explore different subjects in the humanities, social sciences, languages and cultures, and fine and performing arts – plus courses you’d like to take from some of Waterloo’s other faculties.

- Introduction to Microeconomics
- Conflict Resolution
- Basic Human Resources Management
- Introduction to Legal Studies
- Publisher, digital content specialist, teacher, human resources manager, library technician

**Life Physics / Faculty of Science (M, Bachelor of Science) Co-op available**

Racket science, meet medical science. Prepare for professions such as radiation oncology and medical imaging that harness the power of physics. This multidisciplinary program gives you a solid foundation in physics, chemistry, and biology, with plenty of hands-on labs and opportunities to get involved in research.

- Geometrical and Physical Optics
- Modelling Life Physics
- Molecular and Cellular Biophysics
- Biophysics
- Medical Physics
- Medical physicist, physician, biophysicist

**Life Sciences / Faculty of Science (E, Bachelor of Science) Co-op available for some majors**

If you want to study the science of living things, this is your starting point. Apply to this entry program to study these majors (M) starting in first year: Biochemistry, Biology, Biomedical Sciences, or Psychology. Refer to your major of interest (M) for details.

**Management Engineering / Faculty of Engineering (E, Bachelor of Applied Science) Co-op only**

Be the one who always knows the best path forward. You’ll study industrial engineering principles, advanced data analytics, mathematical modelling, and computer programming to optimize processes in any occupational field. You’ll become an invaluable asset to employers, solving complex technical and management problems in a variety of industries.

- Advanced Machine Learning
- Principles of Software Engineering
- Deterministic Optimization Models and Methods
- Supply Chain Management
- Decision Support Systems
- Data scientist, business intelligence analyst, technical product manager

**Materials and Nanosciences / Faculty of Science (M, Bachelor of Science) Co-op available**

Tiny subject matter. Huge opportunities. Discover how to manipulate individual atoms and molecules, applying chemistry and physics at the nanoscale. There’s no better place to learn than in Canada’s Quantum Valley. You’ll graduate with the tools and knowledge to work at the forefront of innovation, in fields like renewable energy and nanomedicine.

- Materials and Nanosciences in the Modern World
- Chemistry and the Solid State
- Biomaterials
- Materials scientist, nanotechnologist, materials process specialist

**Mathematical Economics / Faculty of Mathematics (M, Bachelor of Mathematics) Co-op available**

Do the math that underpins economies. Learn about the mathematical models that drive economic theory and how to use differential equations, statistical equations, and mathematical optimization to understand and predict economic behaviour. You’ll graduate ready for a career with banks, government, or industry, or for a master’s or doctoral program.

- Introduction to Microeconomics
- Advanced Macroeconomics
- Differential Equations for Business and Economics
- Business analyst, economist, consultant

**Mathematical Finance / Faculty of Mathematics (M, Bachelor of Mathematics) Co-op available**

Study equations that include dollar signs, and join other elite math students in one of the world’s most advanced undergrad finance programs. You’ll explore the math behind financial markets, study corporate finance, quantitative risk management, statistical forecasting, and more – everything you need for a high-flying career in banking and investment.

- Introduction to Investments
- Forecasting, Real Analysis
- Controller, compliance analyst, investment policy analyst
MATHEMATICAL OPTIMIZATION / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Find solutions to resource scarcity issues, from streamlining sports team schedules to making factories more efficient. You’ll study mathematical modelling in your optimization, probability, statistics, and computer science courses and hone your skills with case studies. Then round out your degree with business, economics, and management science.

- Introduction to Computational Mathematics, Stochastic Simulation Methods, Portfolio Optimization Models
- Business, Operations Research
- Business analyst, Information technology architect, risk analyst

MATHEMATICAL PHYSICS / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Master advanced math to decode everything from the cosmos to quantum computing. You’ll study high-level math and physics at Canada’s only faculty of mathematics and one of Canada’s most innovative departments of physics. Then choose a career in the semiconductor industry, telecommunications or medical technology, or go on to graduate studies.

- Waves, Electricity and Magnetism; Introduction to Theoretical Mechanics; Quantum Theory
- Operations specialist, Information technology architect, software modeller

MATHEMATICAL PHYSICS / FACULTY OF SCIENCE
(M, Bachelor of Science) Co-op available
Dig deeper into physics with a serious helping of math. Take advantage of Canada’s only faculty of mathematics and one of Canada’s most innovative departments of physics to explore both subjects in depth. It’s great grounding for careers involving anything from the theoretical foundations of quantum technology to the nature of the universe.

- Differential Equations for Physics and Chemistry; Quantum Theory; Classical Mechanics and Special Relativity
- Theoretical physicist, data scientist, quantitative analyst

MATHEMATICAL STUDIES / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Choose your own adventure! You’re looking for a degree that covers the full spectrum of math. We’re one of the world’s top centres for math and computer science. Together, we’re a logical match! Waterloo’s most flexible math and computer science. Together, we’re for a degree that covers the full spectrum of mathematical theory, statistics, and more.

- Mathematical Discovery and Invention, Introduction to Mathematical Biology, Coding Theory
- Software or database specialist, banking executive, public service analyst

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

- Teacher, online learning consultant, instructional media developer

MATHEMATICS/BUSINESS ADMINISTRATION / FACULTY OF MATHEMATICS
(E, Bachelor of Mathematics) Co-op available
It’s a simple equation: math + business = career success. Build your degree with courses from two prestigious institutions; math courses from Waterloo’s Faculty of Mathematics and business courses from nearby Wilfrid Laurier University. You’ll combine the technical expertise and analytical know-how to thrive in the world of business.

- Corporate Finance, Introduction to Managerial Accounting, Organizational Behaviour
- Operations manager, risk modelling analyst, investor relations specialist

MATHEMATICS/CHARTERED PROFESSIONAL ACCOUNTANCY / FACULTY OF MATHEMATICS AND ACCOUNTING AND FINANCE
(E, Bachelor of Mathematics) Co-op only
Really understand the numbers. In this one-of-a-kind program, you’ll earn a Bachelor of Mathematics as you prepare for a career as a Chartered Professional Accountant (CPA). You’ll acquire a strong background in the mathematical field of your choice, along with equally focused studies in accounting, economics, and business.

- Introduction to Financial Accounting, Cost Management Systems, Corporate Finance
- Accountant, controller, auditor

MATHEMATICS/FINANCIAL ANALYSIS AND RISK MANAGEMENT / FACULTY OF MATHEMATICS
(E, Bachelor of Mathematics) Co-op available
Crunch numbers, calculate odds, and create career success in this challenging program – one of just a few across Canada recognized by the CFA Institute and PRMIA. You’ll combine mathematics with finance, accounting, economics, and risk management. Specialize in charter financial analysis or risk management, and graduate ready for your professional exams.

- Computational Methods in Business and Finance; Applied Linear Models and Process Improvement for Business; Commercial and Business Law for Mathematics Students
- Financial analyst, risk analyst, investment analyst

MATHEMATICS/TEACHING / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op only
Inspire the next generation as a high school math teacher. Combine your math, statistics, and computer science courses with eight months of classroom experience – more than any other Bachelor of Education program in Canada – before you apply to teachers’ college. Want to do some of your learning overseas? Opt for our four-month Math in Europe program.

- Introduction to Mathematics Education; Educational Psychology; Mathematical Discovery and Invention
- Teacher, online learning consultant, instructional media developer

MECHANICAL ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Put your career in gear. This program gives you a broad foundation in all aspects of mechanical design – and lots of opportunities to get your hands dirty in our well-equipped labs. You’ll study factors like the environment, safety, materials, and manufacturing, so you’ll graduate with the knowledge to design everything from switches to spacecrafts.

- Aerodynamics, Industrial Metalurgy, Electromechanical Devices and Power Processing, Heat Transfer
- Design of aerospace accessories, manufacturing of wind turbines, research and development in automotive technologies

MECHATRONICS ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Build the next generation of “smart” machines, emergency response drones, and driverless cars. You’ll combine mechanical, electrical, computer, and software engineering to develop robots, intelligent vehicles, and more. With Co-op and labs starting in first year, you’ll gain lots of hands-on experience creating sophisticated electro-mechanical devices.

- Sensors and instrumentation, Microprocessors and Digital Logic, Structure and Properties of Materials
- Manufacturing and programming of robotic devices, design of biomedical instruments, design and creation of wearable technology

MECHEMICAL ENGINEERING / FACULTY OF SCIENCE
(M, Bachelor of Science) Co-op only
Explore the exciting science of drug discovery. You’ll take courses in computer-aided drug design and gain valuable work experience in places like pharmaceutical companies and hospitals. By graduation, you’ll understand how to design, synthesize, and evaluate potential medications – ready to create the life-saving treatments of tomorrow.

- Chemical Kinetics; Transition Element Compounds and Inorganic Materials; Fundamentals of Metabolism
- Medicinal chemist, research chemist, synthetic chemist

MEDIEVAL STUDIES / FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
Immerse yourself in the Middle Ages – minus the dysentery – in Canada’s largest-standing medieval studies program. By concentrating on this crucial era in Western civilization, you’ll gain insights into European politics, modern gender norms, the connections between Islam and Christianity, and more. (You can even study abroad in a castle!)

- Crusading in the Middle Ages, Medieval Society, The History of Islamic Civilization
- Professional writer, librarian, historical site manager, teacher

MUSIC / FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
Explore Beethoven to Bieber, salos to software. Learn about the importance of music in today’s world through theory, composition, performance, and history. Combine your passion for music with other interests by taking courses that address the vital intersection of music and technology, film, global culture, and psychology.

- Music Cognition, Introduction to Jazz, Soundtracks: Music in Film
- Church Music and Worship, Music in Global Context, Music and Peace
- Teacher, performer, associate pastor of music, music store owner, recording studio owner

N

NANOTECHNOLOGY ENGINEERING / FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Design solutions measured in billions of a metre in Canada’s only undergraduate nanotechnology engineering program. Combining engineering principles with ideas from chemistry, electronics, quantum physics, and biology, you’ll create the tiny technologies that are revolutionizing everything from smartphones to food processing to cancer treatment.

- Nanotechnology, Nano-electronics, Structure and Properties of Nanomaterials
- Nanomedicine, nano-engineered materials, research and manufacturing of integrated circuits, financial technology
PEACE AND CONFLICT STUDIES / FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
Choose a degree that can change the world. Develop diverse approaches to understanding conflict and promoting peace through Canada’s first peace studies program. Discover how to transform conflict’s violent potential into a creative force for positive change. Gain experience through an internship locally or in a former conflict zone abroad.
- Human Rights, Peace, and Business; Conflict Resolution; Restorative Justice; Gender in War and Peace
- Community development officer, international development specialist, social services worker, policy advisor, mediation consultant, lawyer

PHARMACY / SCHOOL OF PHARMACY (Doctor of Pharmacy) Co-op only
A prescription for career success! After two years in a Bachelor of Science or other approved post-secondary program, you can apply to Canada’s only co-op pharmacy program. Enhance your classroom learning with paid work terms and clinical rotations, developing skills in community practice, hospitals, or family health teams. Questions? Email pharmacy@uwaterloo.ca.
- Integrated Patient Focused Care, Professional Practice, Medical Microbiology
- Registered pharmacist; work in community practice, hospitals, and family health teams

PHILOSOPHY / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Confront some of life’s biggest questions. Study ancient texts and modern thinking on topics ranging from the nature of the human mind to emerging issues in science and technology. Learn to analyze other people’s arguments and improve your own. You’ll develop the critical-thinking skills valued in public policy, industry, and beyond.
- Foundations of Ethics; Probability and Decision Making; Philosophy of Mind
- Lawyer, public policy analyst, ethicist, corporate archivist

PHYSICAL SCIENCES / FACULTY OF SCIENCE (E, Bachelor of Science) Co-op available for all majors
Investigate what makes the physical world tick. Apply to this entry program to study these majors (M) starting in first year: Chemistry, Earth Sciences, Life Physics, Materials and Nanosciences, Mathematical Physics, Medicinal Chemistry, Physics, or Physics and Astronomy. Refer to your major of interest for details.

PHYSICS / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available
Become the next Einstein (wild hair optional). Understand how the universe works: from quantum particles and exotic states of matter to curved space-time and black holes. In one of Canada’s largest and most comprehensive physics programs, prepare for graduate studies or a wide range of careers requiring advanced problem-solving skills.
- Modern Physics, Statistical Mechanics, Computational Physics
- Physicist, research and development scientist, analyst, teacher

PHYSICS AND ASTRONOMY / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available
Aim for a career with astronomical possibilities. Learn from award-winning professors who are studying some of the most fascinating phenomena in the universe: black holes, the Big Bang, dark matter, and more. It’s perfect preparation for careers in optics and space science or for graduate studies in topics such as astrophysics and gravitation.
- Introduction to the Universe, Thermal Physics, Galaxies
- Astronomer, aerospace scientist, remote sensing scientist

PLANNING / FACULTY OF ENVIRONMENT (E, Bachelor of Environmental Studies) Co-op only
Want a career with impact? We’ve got the plan. Tackle the environmental and social challenges facing our urban and rural areas. Learn about sustainable planning practices, designing effective transit systems, protecting natural areas, and more. You’ll graduate ready to help communities create a healthy, prosperous, and sustainable future.
- Social Concepts in Planning; Transportation Planning and Analysis; Urban and Metropolitan Planning and Management, Land Development Planning, Urban Design
- Environmental planner, land use planner, urban designer, transit planner

POLITICAL SCIENCE / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Let’s get political! Explore political theory, power, global politics, and governance. Learn to navigate (and shape) the political terrain and develop the critical-thinking and creative problem-solving skills to land a job in advocacy, politics, or public service.
- Globalization, International Business, and Development; Topics in Politics and Business; Global Environmental Governance
- Politics and Business, Global Governance, Canadian Politics, International Relations
- Civil servant, director of global programs, project manager, senior consultant

PSYCHOLOGY / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Get inside people’s heads. Explore the intricacies of the brain in this internationally renowned program, consistently ranked among the best in Canada. You’ll examine human behaviour through a variety of perspectives, including neuroscience; cognition; and clinical, developmental, and social psychology — great preparation for further studies in speech and language, counselling, and marketing.
- Learning Disabilities, Basic Research Methods, Human Neuropsychology
- Mental health worker, research and development manager, human resources manager

PSYCHOLOGY / FACULTY OF SCIENCE (M, Bachelor of Science) Co-op available
Major in the science of the human mind. Investigate areas like neuroscience; cognition; and clinical, developmental, and social psychology in one of North America’s top psychology departments. You’ll delve into research methods and data analysis — great preparation for further studies in medicine, speech pathology, or other health fields.
- Psychopathology, Advanced Data Analysis, Developmental Psychology
- Neuroscientist, child psychologist, psychiatrist

PUBLIC HEALTH / FACULTY OF HEALTH (E, Bachelor of Public Health) Co-op available
Study with Canada’s leading public health professors. Discover how understanding social, cultural, political, and geographical factors can help us tackle smoking, obesity, infectious diseases, and more. Aiming for grad school? Get a head start by applying for an accelerated master’s degree in your third year.
- Addictions, Mental Health, and Policy; Gerontology; Health Informatics; Health Research
- Community relations officer, public health planner, policy developer

PURE MATHEMATICS / FACULTY OF MATHEMATICS (M, Bachelor of Mathematics) Co-op available
Go way beyond basic arithmetic. Pure mathematics studies the boundary of math and pure reason, exploring the “how” and “why” of math. You’ll cover the spectrum of mathematics — including algebra, number theory, analysis, geometry, and logic — and gain valuable problem-solving skills that can be applied in your career or graduate school.
- Fields and Galois Theory, Applied Complex Analysis, Differential Geometry
- Mathematical Finance, Mathematics/Teaching
- Data scientist, operations analyst, research and academia

RECREATION AND LEISURE STUDIES / FACULTY OF HEALTH (E or M, Bachelor of Arts) Co-op available
In one of North America’s top-ranked leisure departments, discover how to plan, manage, and deliver well-designed recreation programs that enhance the well-being of individuals and communities. Gain industry-related experience in your courses, through co-op, or in a 105-hour practicum.
- Program Management and Evaluation; Play, Creativity, and Child Development; Leisure and Social Justice
- Event Management, Tourism
- Community recreation programmer, teacher, municipal recreation manager, policy researcher, director of parks and recreation
RECREATION AND SPORT BUSINESS | FACULTY OF HEALTH
(M, Bachelor of Arts) Co-op available
You love sports. So make it your career with this unique degree. Gain a solid understanding of sport and recreation, and build the business expertise you need to excel in different aspects of the sport industry – including marketing, communications, HR, finance, and strategy. Learn from our four classes, co-op, a 105-hour practicum, projects with sport industry partners, or an international exchange program.

- Principles of High Performance Organizations in Recreation and Sport, Innovative Solutions in Recreation and Sport Business, Mobilizing Resources for Recreation and Sport Delivery
- Event Management, Tourism
- Recreation and events director, marketing and sales manager, sport programming manager, human resources manager

RELIGIOUS STUDIES | FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Explore the fundamental beliefs that bind us – and divide us. Discover the world’s great religions through more than 100 undergraduate courses covering Western and Eastern religions, the history of Christianity, biblical studies, theology, ethics, sociology, and the arts. Round off your degree with an optional four-month trek visiting holy sites across India.

- Religion in Popular Film; Sacred Beauty: Religion and the Arts; Love and Friendship
- Clinical therapist, Interfaith chaplain, international development agency director

SCIENCE AND AVIATION | FACULTY OF SCIENCE
(E, Bachelor of Science) Regular system of study available
Is your head in the clouds? Earn a Bachelor of Science degree and your Commercial Pilot Licence through the largest university aviation program in Canada. Customize your studies to include courses from a range of scientific disciplines, such as physics or earth sciences. Whichever courses you choose, you'll graduate with more than 200 flight hours.

- Earth from Space Using Remote Sensing, Physical Climatology, Human Factors in Aviation
- Pilot, flight training instructor, aerial surveyor

SCIENCE AND BUSINESS | FACULTY OF SCIENCE
(E, Bachelor of Science) Co-op available
Become a scientist with solid business skills or a business professional who speaks the language of science. This unique program provides a strong foundation in science, along with courses in accounting, economics, marketing, computing, statistics, and business research.

- Business Law; Entrepreneurship and the Creative Workplace; General Chemistry
- Biochemistry, Biology, Biotechnology
- Medical information specialist, biotechnology accounts manager, project manager, program analyst

SEXUALITY, MARRIAGE, AND FAMILY STUDIES | FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
Get ready to talk about relationships. The only one of its kind in Canada, this program goes far beyond basic anatomical knowledge and sexual health. Drawing upon critical, anti-oppressive, and social justice approaches, you'll study the latest research and theory in sexuality, families, and relationships and how they apply to everyday life.

- Communication and Counseling Skills; Dynamics of Dating Sexuality and Popular Culture
- Counselling, Human Services Practicum
- Sexual health educator, youth support worker, mediator, social worker, couples and family therapist

SOCIAL DEVELOPMENT STUDIES | FACULTY OF ARTS
(E or M, Bachelor of Arts) Co-op available through Honours Arts or Honours Arts and Business
Solve social issues at the local, national, and global level. Find your voice through the study of psychology, sociology, social development, and social work in this program. Focus your studies by adding a specialization, and gain hands-on experience for your future career. Apply through Renison to begin this major in first year.

- Changing Concepts of Childhood, Social Work with Families, Positive Psychology
- Diversity and Equity; Education; Individual Well-being and Development; Social Policy and Social Action; Social Work
- Child protection worker, teacher, social policy developer, human resources manager

SOCIAL WORK | RENISON UNIVERSITY COLLEGE
(Bachelor of Social Work) Regular system of study only
Have a hanger to help others? Prepare for a rewarding career while splitting your time between on-campus and off-campus placements. This program is only available to students with an undergraduate degree. For a strong foundation, consider enrolling in Social Development with a First Question? Email renison.socialwork@uwatertoo.ca.

- Diversity and Empowerment, Mental Health and Addiction Issues, Social Work with Older Adults
- Social worker, mental health clinician, counselor, therapist

SOFTWARE ENGINEERING | FACULTY OF ENGINEERING AND FACULTY OF ARTS
(E, Bachelor of Software Engineering) Co-op only
Get ready to wrestle with pressing questions, like how might we improve health care, criminal justice, the economy, and our relationships to one another. Explore topics such as age, class, ethnicity, religion, gender, social inequality, and more. When you graduate, apply your research and data-driven skills in government, health, policy and research, law, academia, or non-profit organizations.

- Terrorism, Games and Gamers; Organized Crime
- Youth justice advocate, justice policy analyst, research associate, ESL teacher

STATISTICS | FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Earn a degree that's highly significant at one of the world's top centres for statistics. Learn about research methods and statistical applications to help engineers develop better AI technologies, researchers evaluate medical treatments, governments shape effective policies, and more. In today's data-driven world, these are skills in high demand!

- Probability Models; Sampling and Experimental Design; Applied Linear Models
- Biostatistician, business intelligence specialist, software quality analyst

NEW SUSTAINABILITY AND FINANCIAL MANAGEMENT | SCHOOL OF ACCOUNTING AND FINANCE AND FACULTY OF ENVIRONMENT
(E, Bachelor of Sustainability and Financial Management) Co-op only
Become a sought-after expert who can measure profits and planetary health. Through this one-of-a-kind program, you'll master accounting and financial management at Waterloo’s world-class School of Accounting and Finance, and study sustainability in Canada’s biggest Faculty of Environment, Plus, you'll get up to 16 months of co-op experience.

- Corporate Taxation, Sustainability Economics, Enterprise Carbon Accounting
- Corporate Sustainability, Government Policy and Financial Markets
- Accountant, financial consultant, sustainability analyst, financial analyst, internal auditor

SYSTEMS DESIGN ENGINEERING | FACULTY OF ENGINEERING
(E, Bachelor of Applied Science) Co-op only
Take a creative, interdisciplinary approach to solving engineering problems. This flexible program features design courses, labs, and team-based learning that focus on the big picture. You'll develop skills from multiple engineering fields, graduating ready to tackle challenges that lie at the intersection of society, technology, and the environment.

- Human Factors in Design, Systems Models, Pattern Recognition, Machine Learning
- Complex systems analyst, physical and digital device designer, product manager

THEATRE AND PERFORMANCE | FACULTY OF ARTS
(M, Bachelor of Arts) Co-op available
All the world’s a stage. Find your place on it in one of Canada’s most performance-intensive drama programs. With theatre reviews, study stage direction, and reinvent theatre for today. Focus your studies in acting, directing, technical theatre, or theory; then hone your skills in student-led productions each term. You’ll graduate with a rich portfolio!

- Stage Management, Approaches to Directing, Collaborative Creation
- Set designer, actor, floor director, stage manager, general manager

THERAPEUTIC RECREATION | FACULTY OF HEALTH
(M, Bachelor of Arts) Co-op available
Help people get more out of life. You’ll learn how to enhance quality of life by improving physical and mental health through recreation programs that foster inclusivity and strengthen the cultural fabric of a community. Combine practical courses with hands-on experience through co-op, volunteer opportunities, a required 105-hour practicum, and a required 560-hour internship in fourth year.

- Foundations of Therapeutic Recreation Practice, Therapeutic Recreation Facilitation Techniques, Therapeutic Recreation: Physical Disabilities
- Event Management, Tourism
- Recreation therapist, elder life specialist, occupational therapist, child life specialist, social worker
INTERNATIONAL 2022 ADMISSION REQUIREMENTS

AMERICAN AND INTERNATIONAL BACCALAUREATE SYSTEMS

NOTES
Minimum admission requirements are subject to change. For some programs the demand for places by qualified applicants exceeds the number of places available. Choose your major: see list on pages 28 to 39. Some majors are competitive and require an application after first year.
AIF: Admission Information Form

uwaterloo.ca/future/admissions

AMERICAN SYSTEM
High School Diploma with prerequisite courses completed at the AP level and/or Grade 12 senior academic level.

NOTE:
min = minimum final grade,
average = minimum final overall Grade 12 average.

INTERNATIONAL BACCALAUREATE SYSTEM
Six total IB courses; at least three must be HL. Total scores exclude Diploma points. Subjects required for admission to specific programs should be HL whenever possible. Where there are more than three prerequisite subjects, SL 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: Analysis and Approaches, HL Applications and Interpreitations will not be accepted unless stated otherwise. SL Applications and Interpreitations will not be accepted for any program.

NOTE:
HL = Higher Level,
SL = Standard Level,
min = minimum final grade,
total = overall minimum grade total.

PROGRAM (APPLY TO)/SYSTEM OF STUDY/ADDITIONAL REQUIREMENTS

ARTS
Accounting and Financial Management Co-op only, Accounting and Financial Management Admissions Assessment (AFMAA) interview and trait assessment required.
Global Business and Digital Arts Co-op only.
Honours Arts† (Waterloo, St. Jerome’s, Renison) Regular and co-op.
Social Development Studies (Renison) Regular only.
Honours Arts and Business† Regular and co-op. After applying, you may co-register through St. Jerome’s or Renison.

CM
Computing and Financial Management Co-op only. AIF required.

ENGINEERING
Architecture Co-op only. AIF required. Qualified applicants will be invited to complete an English précis-writing exercise and to submit a portfolio.
Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Environmental, Geological, Management, Mechanical, Mechatronics, Nanotechnology, Systems Design Co-op only. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission to all programs. Individual selection may vary.

SOFTWARE ENGINEERING
Software Engineering Co-op only. Experience developing well-structured, modular programs is required. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission. Individual selection may vary.

ENVIRONMENT
Climate and Environmental Change Regular and co-op.
Environment and Business Co-op only.
Environment, Resources and Sustainability; Geography and Environmental Management Regular and co-op.

Health Sciences Regular and co-op.
Kinesiology Regular and co-op.

Public Health Regular and co-op.

Recreation and Leisure Studies† Regular and co-op.

BUSINESS AND MANAGEMENT
Business Administration (Laurier) and Computer Science (Waterloo), Business Administration (Laurier) and Mathematics (Waterloo) – Double Degrees Co-op only. AIF required. Individual selection may vary.
Computer Science† Regular and co-op. AIF required. Individual selection may vary.

Mathematics/Chartered Professional Accountancy Co-op only. AIF required. Individual selection may vary.

BIOLOGY AND SCIENCE
Biotechnology/Chartered Professional Accountancy Co-op only, Environmental Science, Life Sciences†, Physical Sciences†, Science and Business Regular and co-op. Honours Science Regular only. Science and Aviation Regular only, Program Briefing Session, Transport Canada Category 1 Medical Certification required.

Sustainability and Financial Management Co-op only. Accounting and Financial Management Admissions Assessment (AFMAA) and the trait assessment required.
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<th>AMERICAN SYSTEM</th>
<th>INTERNATIONAL BACCALAUREATE SYSTEM</th>
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<tbody>
<tr>
<td>Grade 12 English, min 80%. AP Calculus and Algebra (Pre-Calculus), min 80% in each. Average 88%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: Analysis and Approaches HL (recommended) or SL, min 4. Total 28.</td>
</tr>
<tr>
<td>Grade 12 English, min 80%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>AP Calculus exam, min 4. Algebra (Pre-Calculus). Grade 12 English, min 75%. Average 90%.</td>
<td>HL Analysis and Approaches, min 6. HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>AP Calculus (or equivalent), AP Physics (or equivalent), and Algebra (Pre-Calculus), min 76% in each. Grade 12 English, min 80%. Plus two additional Grade 12 courses. Average 88%.</td>
<td>Mathematics: Analysis and Approaches and Physics (HL recommended), min 4 in each. HL or SL English A, min 4. Total 32.</td>
</tr>
<tr>
<td>AP Calculus (or equivalent), AP Physics (or equivalent), Algebra (Pre-Calculus), Chemistry, Grade 12 English, and one other Grade 12 academic course, min 75% in each. Average 88% in the six required courses. SATs or ACTs recommended.</td>
<td>Mathematics: Analysis and Approaches and Physics (HL recommended), min 4 in each. Chemistry and English A, min 4 in each. One other HL or SL course, min 4. Total 32. 6s and 7s recommended for competitive programs.</td>
</tr>
<tr>
<td>Grade 12 English and Grade 12 Mathematics, min 75% in each, One of: Senior-Level Chemistry or Senior-Level Physics. Average 85%</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4. One of HL or SL Chemistry or Physics. Total 27.</td>
</tr>
<tr>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>Grade 12 English and Grade 12 Mathematics, min 75% in each. Strongly recommended: one Grade 12 course in Physical or Environmental Science. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4, Strongly recommended: one SL course in Physical or Environmental Science. Total 27.</td>
</tr>
<tr>
<td>Grade 12 English and Grade 12 Mathematics, min 75% in each. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4, Total 27.</td>
</tr>
<tr>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>Grade 12 English, Grade 12 Mathematics, and Grade 12 Science, min 80% in each. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4, HL or SL Science, min 4. Total 27.</td>
</tr>
<tr>
<td>Grade 12 English, Grade 12 Mathematics, and Grade 12 Science, min 80% in each. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4, total 27.</td>
</tr>
<tr>
<td>Senior-Level Chemistry and Senior-Level Biology (preferably one at the AP level); Grade 12 Mathematics and Grade 12 English, min 75% in each. Average 85%.</td>
<td>Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4 in each. HL or SL Chemistry, and HL or SL Biology, min 4 in each. HL or SL English A, min 4, or HL English B, min 5. Total 28.</td>
</tr>
<tr>
<td>One of: Honours Pre-Calculus, Grade 12 Calculus, or AP Calculus; Grade 12 English; two of Senior-Level Chemistry, Biology, or Physics, min 75% in each. Average 85%.</td>
<td>Mathematics: HL or SL Analysis and Approaches, min 4. Two of HL or SL Biology or Physics or Chemistry, min 4. HL or SL English A, min 4, or HL English B, min 5. Total 27.</td>
</tr>
<tr>
<td>Grade 12 English, min 80%. Grade 12 Mathematics, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: HL or SL Analysis and Approaches or HL Applications and Interpretations, min 4, Total 28.</td>
</tr>
<tr>
<td>Grade 12 English, min 75%. Average 85%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5.</td>
</tr>
<tr>
<td>AP Calculus (preferred) or Grade 12 Calculus, min 75% (80% for Biotech/CPA), Grade 12 English, min 75% (80% for Biotech/CPA), Algebra (Pre-Calculus). Two of Biology, Chemistry, Physics, or Statistics. One other Grade 12 academic or AP course. Average 85%, including required courses; except for Biotechnology/Chartered Professional Accountancy: average 90%.</td>
<td>Mathematics: Analysis and Approaches HL or SL, min 4. HL or SL English A, min 4, or HL English B, min 5. Two of Biology, Chemistry, or Physics. Total 27 for all; except Biotechnology/Chartered Professional Accountancy: total 32.</td>
</tr>
<tr>
<td>Grade 12 English, min 80%, AP Calculus and Algebra (Pre-Calculus), min 80% in each. Average 90%.</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Mathematics: Analysis and Approaches HL (recommended) or SL, min 4. Total 32.</td>
</tr>
</tbody>
</table>
INTERNATIONAL 2022 ADMISSION REQUIREMENTS
INDIAN AND BRITISH SYSTEMS

INDIAN SYSTEM
First or Second Division standing in one of the following: (1) All India Senior School Certificate awarded by CBSE, (2) Indian School Certificate awarded by CISCE, or (3) other pre-university certificate awarded after 12 years of academic studies. Final grades will be evaluated based on board results.
Standard XII Applied Mathematics will be accepted for programs in the faculties of Environment and Applied Health Sciences.

NOTE: Std XII = Standard XII, min = minimum final grade, overall = overall minimum final average.

BRITISH SYSTEM
General Certificate of Secondary Education or equivalent with passes in at least five unique subjects, three of which must be at the Advanced Level. General paper is not accepted for the English course requirements.

NOTE: min = minimum final grade.

Minimum admission requirements are subject to change. For some programs the demand for places by qualified applicants exceeds the number of places available. Choose your major: see list on pages 28 to 39. Some majors are competitive and require an application after first year.
AIF: Admission Information Form

uwaterloo.ca/future/admissions

PROGRAM (APPLY TO) / SYSTEM OF STUDY / ADDITIONAL REQUIREMENTS

ARTS

Accounting and Financial Management Co-op only. Accounting and Financial Management Admissions Assessment (AFMAA) interview and trait assessment required.

Global Business and Digital Arts Co-op only.

Honours Arts1 (Waterloo, St. Jerome’s, Renison) Regular and co-op.

Social Development Studies (Renison) Regular only.

Honours Arts and Business1 Regular and co-op. After applying, you may co-register through St. Jerome’s or Renison.

ARCHITECTURAL, BIOMEDICAL, CHEMICAL, CIVIL, COMPUTER, ELECTRICAL, ENVIRONMENTAL, GEOLOGICAL, MANAGEMENT, MECHANICAL, MECHATRONICS, NANOTECHNOLOGY, SYSTEMS DESIGN Co-op only. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission to all programs. Individual selection may vary.

ARCHITECTURE Co-op only. AIF required. Qualified applicants will be invited to complete an English précis-writing exercise and to submit a portfolio.

Software Engineering Co-op only. Experience developing well-structured, modular programs is required. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission to all programs. Individual selection may vary.

SOFTWARE ENGINEERING

Climate and Environmental Change Regular and co-op.

Environment and Business Co-op only.

Environment, Resources and Sustainability; Geography and Environmental Management Regular and co-op.

Geography and Aviation Regular only. Program Briefing Session and Transport Canada Category 1 Aviation Medical Certification required.

Geomatics Regular and co-op.

International Development Regular only.

Knowledge Integration Regular only.

Planning Co-op only.

HEALTH

Health Sciences Regular and co-op.

Kinesiology Regular and co-op.

Public Health Regular and co-op.

Recreation and Leisure Studies1 Regular and co-op.

BUSINESS ADMINISTRATION (Laurier) and Computer Science (Waterloo), Business Administration (Laurier) and Mathematics (Waterloo) — Double Degrees Co-op only. AIF required. Individual selection may vary.

Computer Science1 Regular and co-op. AIF required. Individual selection may vary.


Mathematics/Chartered Professional Accountancy Co-op only. AIF required. Individual selection may vary.

BIOTECHNOLOGY/CHARTERED PROFESSIONAL ACCOUNTANCY Co-op only. Environmental Science, Life Sciences1, Physical Sciences1, Science and Business Regular and co-op. Honours Science Regular only. Science and Aviation Regular only. Program Briefing Session, Transport Canada Category 1 Medical Certification required.

Biotechnology/Chartered Professional Accountancy Co-op only. Environmental Science, Life Sciences1, Physical Sciences1, Science and Business Regular and co-op. Honours Science Regular only. Science and Aviation Regular only. Program Briefing Session, Transport Canada Category 1 Medical Certification required.

Sustainability and Financial Management Co-op only. Accounting and Financial Management Admissions Assessment (AFMAA) and the trait assessment required.
<table>
<thead>
<tr>
<th>INDIAN SYSTEM</th>
<th>BRITISH SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Std XII English, min 75%. Std XII Mathematics, min 75%. Overall 85% Std XII.</td>
<td>A Level Mathematics, min B, and two other A Level courses, min B in each. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 75%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B's and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 70%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 70%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<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>A Level Mathematics and two other academic A Level courses, min A in each. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII Mathematics; Std XII Physics, min 70%; Std XII English, min 75%; and two other Std XII courses. Overall 80% Std XII.</td>
<td>A Level Mathematics and A Level Physics, min B in each. One additional A Level course, min B. English at either the GCSE, AS, or A Level, min B. One additional course at the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII Mathematics, Std XII Physics, Std XII Chemistry, Std XII English, and one other Std XII course, min 70% in each. Overall 85% in the five required courses.</td>
<td>A Level Mathematics and A Level Physics, min A in each. One additional A Level course, min B. Chemistry (GCSE level required, A Level recommended), min B. GCSE-level English, min B. A’s and A*’s recommended for competitive programs.</td>
</tr>
<tr>
<td>Std XII Mathematics, Std XII Physics, Std XII Chemistry, Std XII English, and one other Std XII course, min 70% in each. Overall 85% in the five required courses.</td>
<td>A Level Mathematics and A Level Physics, min A in each. One additional A Level course, min B. Chemistry (GCSE level required, A Level recommended), min B. GCSE-level English, min B. A’s and A*’s recommended for competitive programs.</td>
</tr>
<tr>
<td>Std XII English and Std XII Mathematics, min 70%. One of Std XII Chemistry or Std XII Physics. Overall 80% Std XII.</td>
<td>A Level Math, min B. One of: A Level Physics or Chemistry and one other A Level course, min B and C. English at either the GCSE, AS or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 70%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English and Std XII Mathematics, min 70% in each. Std XII English, min 75%. All Std XII courses: min 85%.</td>
<td>A Level Mathematics and A Level Physics, min B in each. One additional A Level course, min B. English at either the GCSE, AS, or A Level, min B. One additional course at the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English and Std XII Mathematics, min 70% in each.</td>
<td>A Level Mathematics, min B. Two other A Level courses, min B and C. Strongly recommended: one A Level course in Physical or Environmental Science. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English and Std XII Mathematics, min 70% in each. Overall 80% Std XII.</td>
<td>A Level Mathematics, min B. Two other A Level courses, min B and C. One of Std XII Science course. Overall 80% Std XII.</td>
</tr>
<tr>
<td>Std XII English, min 70%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, Std XII Mathematics, and one Std XII Science course, min 75% in each. Overall 80% Std XII.</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 GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 75%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII Chemistry, Std XII Biology, Std XII Mathematics, and Std XII English, min 70% in each. Overall 80% Std XII.</td>
<td>A Level Chemistry and A Level Biology, min B in each. A Level Mathematics, min C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII Mathematics and Std XII English, min 70% in each. Two of Std XII Chemistry, or Std XII Physics, or Std XII Biology, min 70%. Overall 80% Std XII.</td>
<td>A Level Mathematics, min B. Two of Biology, Chemistry or Physics (one must be A Level, min B). One other academic A Level course, min B. GCSE-level English, min B.</td>
</tr>
<tr>
<td>Std XII English, min 75%. Std XII Mathematics, min 70%. Overall 80% Std XII.</td>
<td>A Level Mathematics, min C. Two other A Level courses, min B, English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII English, min 75%. Overall 80% Std XII.</td>
<td>Three A Level courses, min two B’s and one C. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
<tr>
<td>Std XII Mathematics, min 90%. Std XII English. One other Std XII course, min 90%. All Std XII courses: min 85%.</td>
<td>A Level Mathematics, min A. Two other academic A Level courses, min A in each. English at either the GCSE, AS, or A Level.</td>
</tr>
<tr>
<td>Std XII Mathematics, min 90%. Std XII English. One other Std XII course, min 90%. All Std XII courses: min 85%.</td>
<td>A Level Mathematics, min A. Two other academic A Level courses, min A in each. English at either the GCSE, AS, or A Level.</td>
</tr>
<tr>
<td>Std XII Mathematics, min 85%. Std XII English. One other Std XII course, min 85%. All Std XII courses: min 80%.</td>
<td>A Level Mathematics, min A. Two other academic A Level courses, min A in each. English at either the GCSE, AS, or A Level.</td>
</tr>
<tr>
<td>Std XII Mathematics, min 90%. Std XII English. One other Std XII course, min 90%. All Std XII courses: min 85%.</td>
<td>A Level Mathematics, min A. Two other academic A Level courses, min A in each. English at either the GCSE, AS, or A Level.</td>
</tr>
<tr>
<td>Std XII Mathematics, min 70% (80% for Biotech/CPA). Std XII English, min 70% (80% for Biotech/CPA). Two of Std XII Biology, Std XII Chemistry, or Std XII Physics. One other Std XII course. Overall 80%, including required courses; except for Biotechnology/Chartered Professional Accountancy; overall high 80s.</td>
<td>A Level Mathematics, min B. Two of Biology, Chemistry or Physics (one must be A Level, min B). One other academic A Level course, min B. GCSE-level English, min B. Higher grades required for Biotechnology/Chartered Professional Accountancy.</td>
</tr>
<tr>
<td>Std XII English, min 75%. Std XII Mathematics, min 75%. Overall 85% Std XII.</td>
<td>A Level Mathematics, min B, and two other A Level courses, min A in each. English at either the GCSE, AS, or A Level, min B.</td>
</tr>
</tbody>
</table>
INTERNATIONAL 2022 ADMISSION REQUIREMENTS
CARIBBEAN AND CHINESE SYSTEMS

NOTES
Minimum admission requirements are subject to change. For some programs the demand for places by qualified applicants exceeds the number of places available. Choose your major: see list on pages 28 to 39. Some majors are competitive and require an application after first year.
AIF: Admission Information Form

CARIBBEAN ADVANCED PROFICIENCY EXAMINATION
Caribbean 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.

CHINESE SYSTEM
Chinese High School Diploma. Completion of a minimum of five Senior 3 academic courses, Hui Kao and Gao Kao examination results. Final official documents verified by China Credential Verification (CHESSIC) are required from all Chinese National Curriculum students. 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.
NOTE:
min = minimum final grade, overall = minimum overall final average.

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 the program.
Engineering, mathematics, and science programs may consider GCSE-level English as a Second Language, provided that you also submit a satisfactory English language test score.

PROGRAM (APPLY TO)/SYSTEM OF STUDY/ADDITIONAL REQUIREMENTS

ARTS
Accounting and Financial Management Co-op only. Accounting and Financial Management Admissions Assessment (AFMAA) interview and trait assessment required.
Global Business and Digital Arts Co-op only.
Honours Arts† (Waterloo, St. Jerome’s, Renison) Regular and co-op.
Social Development Studies (Renison) Regular only.
Honours Arts and Business† Regular and co-op. After applying, you may co-register through St. Jerome’s or Renison.

CPM
Computing and Financial Management Co-op only. AIF required.

ARCHITECTURE
Co-op only. AIF required. Qualified applicants will be invited to complete an English précis-writing exercise and to submit a portfolio.

ARCHITECTURAL, BIOMEDICAL, CHEMICAL, CIVIL, COMPUTER, ELECTRICAL, ENVIRONMENTAL, GEOSPACIAL, MECHANICAL, MECHATRONICS, NANOTECHNOLOGY, SYSTEMS DESIGN Co-op only. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission to all programs. Individual selection may vary.

SOFTWARE ENGINEERING
Software Engineering Co-op only. Experience developing well-structured, modular programs is required. AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission. Individual selection may vary.

CLIMATE AND ENVIRONMENTAL CHANGE
Regular and co-op.

ENVIRONMENT AND BUSINESS
Co-op only.

ENVIRONMENT, RESOURCES AND SUSTAINABILITY; GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT
Regular and co-op.

GEODESIC AND GIS
Geomatics Regular and co-op.

INTERNATIONAL DEVELOPMENT
Regular only.

KNOWLEDGE INTEGRATION
Regular only.

PLANNING
Co-op only.

HEALTH
Health Sciences Regular and co-op.
Kinesiology Regular and co-op.
Public Health Regular and co-op.
Recreation and Leisure Studies† Regular and co-op.

MATHEMATICS
Business Administration (Laurier) and Computer Science (Waterloo), Business Administration (Laurier) and Mathematics (Waterloo) — Double Degrees Co-op only. AIF required.
Computer Science† Regular and co-op. AIF required.
Mathematics†. Mathematics/Bus Administration, Mathematics/Financial Analysis and Risk Management Regular and co-op. AIF required.
Mathematics/Chartered Professional Accountancy Co-op only. AIF required.

SCIENCE
Biotechnology/Chartered Professional Accountancy Co-op only. Environmental Science, Life Sciences†. Physical Sciences†, Science and Business Regular and co-op. Honours Science Regular only. Science and Aviation Regular only. Program Briefing Session, Transport Canada Category 1 Medical Certification required.

SUSTAINABILITY AND FINANCIAL MANAGEMENT
Co-op only. Accounting and Financial Management Admissions Assessment (AFMAA) and the trait assessment required.
<table>
<thead>
<tr>
<th>CARIBBEAN ADVANCED PROFICIENCY EXAMINATION</th>
<th>CHINESE SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 2 Pure Mathematics, min 2. One other Unit 2 course, min 2. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 English and Senior 3 Mathematics, min 80% in each. Overall 88% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 English, min 80%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics, min 2. One other Unit 2 academic course, min 2. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 Mathematics, min 90%. Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics and Unit 2 Physics, min 2 in each. English at the CXC, Unit 1, or Unit 2 level, min 2. One other Unit 1 or Unit 2 academic course, min 2. Mostly T’s recommended for competitive programs.</td>
<td>Senior 3 Mathematics, min 76%. Senior 3 Physics, min 76%. Senior 3 English, min 80%. Overall 88%.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics and Unit 2 Physics, min 2 in each. Chemistry and English (CXC required, CAPE recommended), min 2 in each. One other Unit 1 or Unit 2 academic course, min 2. Mostly T’s recommended for competitive programs.</td>
<td>Senior 3 Mathematics, Senior 3 Physics, Senior 3 Chemistry, and Senior 3 English, min 75% in each. One other Senior 3 academic course, min 75%. Overall 88% in five required courses.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics and Unit 2 Physics, min 2 in each. Chemistry and English (CXC required, CAPE recommended), min 2 in each. One other Unit 1 or Unit 2 academic course, min 2. Mostly T’s recommended for competitive programs.</td>
<td>Senior 3 Mathematics, Senior 3 Physics, Senior 3 Chemistry, and Senior 3 English, min 75% in each. One other Senior 3 academic course, min 75%. Overall 88% in five required courses.</td>
</tr>
<tr>
<td>Unit 2 Mathematics and one of: Unit 2 Chemistry or Unit 2 Physics, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English and Senior 3 Mathematics, min 75%. One of Senior 3 Chemistry or Senior 3 Physics. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Mathematics and one other Unit 2 course, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English and Senior 3 Mathematics, min 75% in each. Strongly recommended: Unit 2 course in Physical or Environmental Science. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Mathematics and one other Unit 2 course, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English and Senior 3 Mathematics, min 75% in each. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 English, Senior 3 Mathematics, and one Senior 3 Science, min 80% in each. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 English, min 80%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Chemistry and Unit 2 Biology, min 2 in each. Mathematics and English at the CXC, Unit 1, or Unit 2 level, min 2 in each.</td>
<td>Senior 3 Chemistry, Senior 3 Biology, Senior 3 Mathematics, and Senior 3 English, min 75% in each. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 2 in the other. English at the CXC, Unit 1, or Unit 2 level, min 2. Two of Biology, Chemistry, or Physics (one must be at the Unit 2 level, min 2).</td>
<td>Senior 3 Mathematics and Senior 3 English, min 75% in each. Two of Chemistry, Physics, or Biology at the Senior 3 level, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Mathematics, min 2. One other Unit 2 course, min 3. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 80%. Senior 3 Mathematics, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Two Unit 2 courses, min 2 in one and 3 in the other. English at the CXC, Unit 1, or Unit 2 level, min 3.</td>
<td>Senior 3 English, min 75%. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics, min 2. One other Unit 2 academic course, min 2. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 Mathematics, min 90%. Senior 3 English. Overall 85% in Senior 3.</td>
</tr>
<tr>
<td>Unit 2 Pure Mathematics, min 2. One other Unit 2 academic course, min 2. English at the CXC, Unit 1, or Unit 2 level, min 2.</td>
<td>Senior 3 Mathematics, min 90%. Senior 3 English. Overall 85% in Senior 3.</td>
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<td>Senior 3 Mathematics, min 90%. Senior 3 English. Overall 85% in Senior 3.</td>
</tr>
</tbody>
</table>
Need help planning for your future at Waterloo? Simply fill out the checklist located at the back of this viewbook and complete each step by the deadline. You’ll be a Warrior in no time. If you have any questions, flip to the panel at the back of this viewbook 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](http://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.

**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 2022</td>
<td>February 1, 2022</td>
<td>February 18, 2022</td>
</tr>
<tr>
<td><strong>EXCEPTION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conditional Admission to Pharmacy</td>
<td>February 1, 2022</td>
<td>April 1, 2022 (AIF: March 1, 2022)</td>
</tr>
</tbody>
</table>

**WHAT ABOUT ENGLISH LANGUAGE TEST SCORES?**

You must meet or exceed the minimum scores required for one of the options listed below if your first language is not English and you have not studied in an English language school system for the four years immediately before beginning your studies at Waterloo.

<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>
<th>OPTION 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERNET-BASED TOEFL</td>
<td>IELTS</td>
<td>CAEL</td>
<td>PTE (ACADEMIC)</td>
<td>CAMBRIDGE ASSESSMENT (C1 OR C2)</td>
<td>DUOLINGO</td>
<td>ENGLISH FOR ACADEMIC SUCCESS</td>
</tr>
<tr>
<td>90 overall, 25 writing, 25 speaking</td>
<td>6.5 overall, 6.0 writing, 6.0 speaking</td>
<td>7.0 overall, 6.0 writing, 6.0 speaking</td>
<td>63 overall, 65 writing, 65 speaking</td>
<td>180 overall, 176 writing, 176 speaking, 176 reading, 176 listening</td>
<td>120 overall, subscore results must be submitted.</td>
<td>75% overall in 400 levels, 75% academic, 75% oral, 75% writing</td>
</tr>
</tbody>
</table>

**Q&A**

**WHAT’S AN ADMISSION INFORMATION FORM?**

The Admission Information Form (AIF) lets you tell us about your extracurricular activities 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, and we recommend all applicants submit an AIF.

**WILL MY AP OR IB COURSES BE CONSIDERED FOR TRANSFER CREDIT?**

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

Note: *Results must be sent directly from the college board or the IBO.

**WHAT IF MY ENGLISH LANGUAGE TEST SCORES ARE TOO LOW?**

If you’re academically admissible but don’t quite meet our English language requirements, you may be offered conditional admission through Waterloo’s Bridge to Academic Success in English (BASE). Learn more about these programs on page 18.
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.

uwaterloo.ca/future/financing

ENTRANCE SCHOLARSHIPS

<table>
<thead>
<tr>
<th>SCHOLARSHIP TYPE</th>
<th>AWARD</th>
<th>ADMISSION REQUIREMENTS</th>
<th>AVERAGE</th>
</tr>
</thead>
</table>
| **$1,000**
MERIT SCHOLARSHIP | $1,000 | 85–89.9% admission average | |
| **$2,000**
PRESIDENT’S SCHOLARSHIP | $2,000 | 90–94.9% admission average | |
| **$5,000***
PRESIDENT’S SCHOLARSHIP OF DISTINCTION | up to $5,000 | 95%+ admission average | |
| **$10,000**
INTERNATIONAL STUDENT ENTRANCE SCHOLARSHIPS | $10,000 | Awarded based on academic performance, contest or assignment scores, and Admission Information Form submissions | |

EARN WHILE YOU LEARN

Co-op students earn $8,400-$14,200+ in their first work term in Canada. 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 $14.25 per hour.

*Exceptions apply. Visa details are available at www.canada.ca. Co-op students must have a work permit.

93% of international students received an entrance scholarship in fall 2020

TUITION FEES

FOR TWO ACADEMIC TERMS*

<table>
<thead>
<tr>
<th>PROGRAM/FACULTY</th>
<th>INTERNATIONAL TUITION (STUDY PERMIT) (SCAD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Financial Management**, Arts, Health</td>
<td>$43,000</td>
</tr>
<tr>
<td>Architecture</td>
<td>$81,000</td>
</tr>
<tr>
<td>Biotechnology/Chartered Professional Accountancy</td>
<td>$45,000</td>
</tr>
<tr>
<td>Business Administration (Laurier) and Mathematics (Waterloo) Double Degree</td>
<td>$48,000</td>
</tr>
<tr>
<td>Computer Science, Business Administration (Laurier) and Computer Science (Waterloo) Double Degree</td>
<td>$63,000</td>
</tr>
<tr>
<td>Computing and Financial Management**</td>
<td>$48,000</td>
</tr>
<tr>
<td>Engineering, Software Engineering</td>
<td>$83,000</td>
</tr>
<tr>
<td>Environment, Sustainability and Financial Management</td>
<td>$44,000</td>
</tr>
<tr>
<td>Global Business and Digital Arts</td>
<td>$46,000</td>
</tr>
<tr>
<td>Mathematics, Mathematics/Financial Analysis and Risk Management, Mathematics/Business Administration</td>
<td>$49,000</td>
</tr>
<tr>
<td>Mathematics/Chartered Professional Accountancy</td>
<td>$47,000</td>
</tr>
<tr>
<td>Science</td>
<td>$44,000</td>
</tr>
</tbody>
</table>

Notes: Amounts listed include incidental fees. Co-op fee of $739/term also applies. See the website for details. *Fees based on 2021-2022 tuition rates. Fees subject to change. **Fees are significantly higher in your upper years. ***$2,000 awarded in first year, plus up to $3,000 in upper years.

LIVING EXPENSES (FOR TWO ACADEMIC TERMS)

<table>
<thead>
<tr>
<th>EXPENSE TYPE</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDENCE</td>
<td>From $6,008 (traditional style) to $7,995 (suite style).</td>
</tr>
<tr>
<td>MEAL PLAN</td>
<td>From $5,200 (lite) to $6,000 (hearty).</td>
</tr>
<tr>
<td>PERSONAL EXPENSES</td>
<td>$3,600 on average ($450/month). Expenses may include phone, laundry, clothing, Internet, personal care, and entertainment; depends on your lifestyle.</td>
</tr>
<tr>
<td>BOOKS AND SUPPLIES</td>
<td>Most programs estimate $2,100 ($4,100 for Architecture students).</td>
</tr>
</tbody>
</table>
Acknowledgement of Traditional Territory

The University of Waterloo acknowledges it is situated on the Haldimand Tract, land granted to the Haudenosaunee of the Six Nations of the Grand River in the Haldimand Treaty of 1784. The Haldimand Tract and surrounding area, including our Stratford campus, is the traditional territory of the Attawandaron, Anishinaabeg, and Haudenosaunee.

Take the Next Step

Ready to discover our campus and experience life as a Warrior? Join us for online events to learn about our programs, campus, and community. uwaterloo.ca/future/visit

Yours to Explore

Wherever you’re headed on our pedestrian-friendly campus, you can be there in 20 minutes or less. With gardens, patios, and creekside benches to enjoy in the summer, and tunnels and overpasses to keep you warm in the winter, getting to class is a walk in the park.
IMPORTANT CONTACTS

GENERAL QUESTIONS
519-888-4567, ext. 43614
askus@uwaterloo.ca

APPLICATION QUESTIONS
myapplication@uwaterloo.ca

PROGRAM–RELATED QUESTIONS
Faculty of Arts
arts@uwaterloo.ca

Faculty of Engineering
enginfo@uwaterloo.ca

Faculty of Environment
envinfo@uwaterloo.ca

Faculty of Health
health@uwaterloo.ca

Faculty of Mathematics
mathinfo@uwaterloo.ca

Faculty of Science
science@uwaterloo.ca

OTHER WATERLOO CONTACTS

____________________________________

____________________________________

____________________________________

____________________________________

____________________________________

____________________________________
APPLICATION CHECKLIST

Your guide to full-time undergraduate studies at Waterloo.

1. DOWNLOAD WORKSHEET AND ORDER BROCHURES
   Download our helpful Applying to Waterloo worksheet along with detailed information about one or more programs.
   uwaterloo.ca/future/order

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

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

4. SEND US YOUR DOCUMENTS
   In addition to your official transcripts, we may require other documentation (e.g., proof of English-language instruction).
   uwaterloo.ca/future/documents

5. COMPLETE YOUR ADMISSION INFORMATION FORM
   Some programs may also require an interview, portfolio, or other elements. Check the admission charts for details.

6. WAIT TO HEAR FROM US
   To help pass the time, read tips from Waterloo students about choosing a university program, admissions, and more!
   uwaterloo.ca/future/tips