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
THE CITY

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.
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.”
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
tt. waterloo.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
CAREER SUCCESS

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.

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, BLUSH, Four All Ice Cream, HiVvy 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 uwaterloo.ca/future/career-success

CAREER SUCCESS 13
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
“Orientation made me feel like I belonged at Waterloo. It had both a supportive and exciting atmosphere which made it easier to make new friends and step outside my comfort zone.”
– Delainey, Mechanical Engineering, Co-op

EXPLORE THE CITY
“It’s so easy to get around Waterloo! I spent time finding cute cafés and restaurants around the city – it’s such a fun way to find ‘your spot’ with your friends and you never run out of things to do.”
– Pratyusha, Honours Arts, Sociology major, Co-op

BUILD YOUR COMMUNITY
“Living in residence was one of the best decisions I made in first year. My don planned fun events for the whole floor, like paint nights, dodgeball games, and movie nights. I made many friends who were able to offer me support.”
– Samantha, Physical Sciences, Physics major, Co-op

GET ACTIVE
“Even though I was shy about getting involved, I joined and volunteered in many campus activities. The more I got involved at Waterloo, the more I felt comfortable being myself and being a part of this great community.”
– Serra, Life Sciences, Biomedical Sciences major

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
uwatertloo.ca/future/life
LIVE YOUR BEST WARRIOR 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.
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!

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.

PICTURE YOURSELF HERE

uwaterloo.ca/future/life
As a Waterloo student, you’ll be immersed in an exciting world of new ideas and academic challenges. To be successful, you’ll need to keep your body as healthy as your mind. That’s why we have over 250 fitness programs designed for your busy schedule.

FLEX YOUR WELLNESS

WARRIOR RECREATION
As home to one of the largest university recreation programs in Canada, we have lots of ways to get moving, from intramural leagues to sports clubs to weekly fitness classes.

ATHLETICS FACILITIES
Stay active in our gyms, pool, ice rink, squash courts, studios, high-performance zone, playing fields, Warrior Field stadium, and a 65,000-square-foot Field House. You’ll be among the first to enjoy the expansion of the Student Life Centre and Physical Activities Complex, which features a two-storey climbing wall, more lounge and studio space, and a fitness centre triple the size of the previous one.

VARSITY ATHLETICS
Whether you want to make the cut or cheer from the stands, you can be an important part of our 31 competitive varsity programs. In over 60 years of competition, the Warriors have brought home 101 provincial championships and eight national titles!

If you're interested in joining a varsity team, visit gowarriorsgo.ca/recruitment.
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<td>Volleyball</td>
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2,500+ fitness classes each year, including power yoga, cycling, and Pilates

FREE entry to Waterloo Warriors home games with your WatCard

FIND WHAT MOVES YOU
gowarriorsgo.ca
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.

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

100% residence guarantee for all new students
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

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

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.

WATERLOO INDIGENOUS STUDENT CENTRE (WISC)
WISC supports a variety of Indigenous student needs from cultural to academic. They connect Indigenous students to resources, to each other, and to the broader Indigenous 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.

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 uwaterloo.ca/future/support

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

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

Discover Waterloo’s most iconic spots.
ALL ABOUT PLACE

Discover Waterloo’s most iconic spots.

CAMPUS

HAGUEY HALL

EARTH SCIENCES MUSEUM

THE LIVING WALL IN ENVIRONMENT 3

WILLIAM G. DAVIS COMPUTER RESEARCH CENTRE

DISCOVER MORE BY FOLLOWING US ON INSTAGRAM

@uofwaterloo
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.”

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
“What if I change my mind?” This question – and the flexibility to switch programs risk-free – drew Nathanial 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.”
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.
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.”

DESIGN YOUR PATH TO POSITIVE IMPACT

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

**ENTRY PROGRAMS**

Learn more about each entry program on pages 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.
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
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.

uwaterloo.ca/future/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.
PROGRAM DETAILS

THE FINER POINTS

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!

uwaterloo.ca/future/programs

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

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 one of our Rome. Questions? Email architecture@uwindsor.ca.

- 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

ARCHITECTURAL 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, Partial Differential Equations
- 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, Mechanical, and Structural Systems
- 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 one of our Rome. Questions? Email architecture@uwindsor.ca.

- 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

BIOENGINEERING / 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 mechanical systems, you’ll graduate ready to develop new technology for health care or athletics.

- Introduction to Biomedical Design, Engineering Biology, Physiological Systems Modelling
- Neural Engineering, Sports Engineering
- Research and development of medical devices, biomedical data analysis, product design of sporting equipment

BIOLOGICAL SCIENCES / FACULTY OF SCIENCE
(M, Bachelor of Science) Regular system of study only
Paging future doctors – and dentists and chiropractors and other health care professionals. This flexible program provides the foundation and experience required to succeed in virtually any professional health program in North America. Plus, it gives you room to add a minor or pursue a variety of personal interests to round out your degree.

- Human Anatomy; Introductory Developmental Biology and Embryology; Principles of Molecular Biology
- Dentist, optometrist, pharmacist, physician

BIOSTATISTICS / FACULTY OF MATHEMATICS
(M, Bachelor of Mathematics) Co-op available
Fight illness with a healthy dose of data. You’ll focus on clinical, public, and population health statistics. You’ll also take specialized upper-year courses, graduating with the strong data-based decision-making skills you need to be part of an effective health-care research team.

- Introduction to Biostatistics, Statistical Methods for Life History Analysis, Applied Linear Models
- Medical researcher, data analyst, biostatistician

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 accountancy 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 (LAURIE) AND COMPUTER SCIENCE (WATERLOO) DOUBLE DEGREE / DAVID R. CHERITON SCHOOL OF COMPUTER SCIENCE
(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 (LAURIE) 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 and Bioconversion, 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
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 shape the meaning and shape our perspective of the world. Through creative, collaborative, and critical engagement, you'll prepare for a career in public relations, broadcasting, marketing, or advertising. 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
SPECIALIZING IN DIGITAL PRESENTATION
SPECIALIZING IN 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 modeling 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
COMMUNICATIONS AND SIGNAL PROCESSING
FULL STACK SOFTWARE DEVELOPMENT, EMBEDDED PLATFORM ENGINEERING, DATA ANALYTICS

COMPUTER SCIENCE / DAVID R. CHERITON SCHOOL OF COMPUTING SCIENCE (E or M, Bachelor of Computer Science or Bachelor of Mathematics) Co-op available
Earn a degree that computes. At one of the world's best electrical engineering student labs. By mastering the design principles required in business, economics, engineering, finance, 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

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 businesses, scientific, and social activity. 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

ECONOMICS / FACULTY OF ARTS (M, Bachelor of Arts) 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.

ECONOMICS OF SPORT, BUSINESS FINANCE, ENVIRONMENTAL ECONOMICS
ECONOMETRICS, FINANCE, PUBLIC POLICY
FINANCIAL PLANNER, MARKETING RESEARCH MANAGER, ECONOMIST, FINANCIAL ANALYST, INTERNATIONAL FINANCE MANAGER

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.

SOFTWARE DEVELOPER, WEB DEVELOPER, BUSINESS OR RISK MODELING ANALYST

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 PAPER, INTRODUCTION TO CRITICAL GAME STUDIES, GLOBAL SHAKESPEARE
CREATIVE WRITING, DIGITAL MEDIA STUDIES, GLOBAL LITERATURER, TECHNICAL WRITING, COMMUNICATION DESIGN

COMMUNICATIONS MANAGER, MEDIA RELATIONS SPECIALIST, TECHNICAL WRITER, PUBLISHER, SOCIAL MEDIA STRATEGIST

UNIVERSITY OF WATERLOO
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 any number of fields 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 guarantee to sell a spot in teacher's college at Nipissing University.

ENVIRONMENTAL ENGINEERING / FACULTY OF ENGINEERING (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.

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.

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 major. Want more? Add the Teaching Preparation Specialization to land a spot in teacher's college at Nipissing University.

FEMALE STUDIES / 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.

GEODYNAMICS / 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.

GERMAN / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Get an education that's wunderbar. We offer 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.

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.

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.

HEALTH SCIENCES / FACULTY OF HEALTH (E, Bachelor of Science) Co-op available
Put your future on solid ground – and help the world do the same. You'll combine earth sciences with civil engineering to design smart foundations, mitigate and reduce losses during natural disasters, and contribute to sustainable resource development globally. Meanwhile, with a ton of field courses, you'll spend more time outside the classroom than in any other engineering program.

M * Major: subject of major interest, apply through an entry-level program
Sample courses
Specializations
Career possibilities
OUCQA approval on pg. 40
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 professions 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 program 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’ll like to take from some of Waterloo’s other faculties.

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

Introduction to Investments, Forecasting, Real Analysis
Controller, compliance analyst, investment policy analyst

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 modeling, and computer programming to optimize processes in any domain. 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

Study equations that include dollar signs, and you’ll graduate with the tools and knowledge to work at the forefront of innovation, in fields like renewable energy and nanomedicine.

Do the math that underpins economies. Learn about the mathematical models that drive economic theory and how to use differential calculus, numerical integration, differential equations, and mathematical optimization to understand and predict economic behavior. 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 you’ll graduate with the tools and knowledge to work at the forefront of innovation, in fields like renewable energy and nanomedicine.

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

Introduction to Investments, Forecasting, Real Analysis
Controller, compliance analyst, investment policy analyst

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.

Biophysics, Medical Physics
Medical physicist, physician, biophysicist

HISTORY / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Develop a worldview that goes back centuries. With support from award-winning professors, you’ll develop analytical skills and a knack for seeing patterns from the past that can make sense of the present and influence the future. Focus on Canadian, American, European, or international history.

Rock ‘n Roll and US History; Russia; From Tsars to Putin; Indigenous Histories of Canada

Digital and Public History; Global Interactions; International Relations; Revolution, War, and Uprheaval

Government affairs manager, executive researcher, lawyer, director of government relations

HONOURS ARTS / 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 ARTS AND BUSINESS / FACULTY OF ARTS (E, Bachelor of Arts and Business) Co-op available
Combine valuable business studies with one of 29 Arts majors. Opt for co-op and gain nearly two years of paid work experience. Refer to your major of interest (M) for details. After applying, you may co-register with St. Jerome’s University or 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, Geochemistry

Physician, optometrist, pharmacist, genetic counsellor, 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 and business 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

LIFE PHYSICS / FACULTY OF SCIENCE (E, 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.

Biophysics, Medical Physics

Medical physicist, physician, biophysicist
Sample courses
• 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 modeler

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! Our most flexible math program allows you to study algebra, calculus, combinatorics, computer science, number 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

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. With 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 chartered 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 preparatory 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 business math, so you’ll graduate with the knowledge to design everything from switches to spacecrafts.
  • Aerodynamics, Industrial Metallurgy, 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 experience creating sophisticated electromechanical 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

MEDICINAL CHEMISTRY / 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, salas to software. Learn about the important role 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. 
- Community development officer, international development specialist, social services worker, policy advisor, mediation consultant, lawyer
- Integrated Patient Focused Care, Professional Practice, Medical Microbiology
- Registered pharmacist; work in community practice, hospitals, and family health teams
- Community relations officer, public health planner, policy developer

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
- Astronomer, aerospace scientist, remote sensing scientist
- Environmental planner, land use planner, urban designer, transit planner

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.
- International Health, Global Health, Hospital Administration, Health Policy
- Community relations officer, public health planner, policy developer

RECREATION AND LEISURE STUDIES / FACULTY OF HEALTH
(E or M, Bachelor of Arts) Co-op available
In one of North America's top-rated 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

PHYSICS / FACULTY OF SCIENCE (M, Bachelor of Science) 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
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 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 eight-month, 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

S

SCIENCE AND AVIATION / FACULTY OF SCIENCE (E, Bachelor of Science) Regular system of study only
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 hands-on 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 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 with an optional 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 hunger to help others? Prepare for a rewarding career while splitting your time between classroom and in-field placements. This program is only available to students with an undergraduate degree. For a strong foundation, consider enrolling in Social Development with Social Work Questions? Email renison.socialwork@uwaterloo.ca.
- Diversity and Empowerment, Mental Health and Addiction Issues, Social Work with Older Adults
- Social worker, mental health clinician, counselor, therapist

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

SOFTWARE ENGINEERING / FACULTY OF ENGINEERING AND FACULTY OF MATHEMATICS (E, Bachelor of Software Engineering) Co-op only
Today, even your fridge is full of software. Learn to create the smart programs using math, engineering, and computer science. You’ll develop the skills to analyze software architecture, apply algorithms, design human-computer interfaces, and lead major projects.
- Principles; Logic and Computation; Machine Learning; Operating Systems
- Human-Computer Interaction, Artificial Intelligence, Business
- Design of operating systems, development of security systems, analysis and maintenance of web applications

SPANISH / FACULTY OF ARTS (M, Bachelor of Arts) Co-op available
Say hola to an in-depth understanding of the Hispanic world. Explore the richness of Hispanic literature and culture while learning one of the world’s most popular languages. Take advantage of our exchanges to Spain or Latin America, and consider earning a Diploma in Spanish–English Translation.
- Gender, Power, and Representation in Latin America; Introduction to Spanish Business Translation; Visual Culture in the Contemporary Hispanic World
- Spanish–English Translation
- Librarian, marketing manager, senior manager, translator

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 intersections 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 rigorous 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

*OUCQA approval on pg. 40
# Ontario Admission Requirements 2022

Admission averages depend on the number of applications we receive and the number of spaces available. The ranges listed below are based on previous years. Visit our website for the most up-to-date 2022 admissions information.

[Visit our website for the most up-to-date 2022 admissions information](uwaterloo.ca/future/admissions)

## Arts

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Financial Management</td>
<td>Mid-80s</td>
<td>Accounting and Financial Management Admissions Assessment (AFMAA) interview and trait assessment required.</td>
<td>Any Grade 12 U English (min. 75%), Advanced Functions (min. 75%), Calculus and Vectors (min. 75%)</td>
</tr>
<tr>
<td>Global Business and Digital Arts</td>
<td>Low 80s</td>
<td></td>
<td>Any Grade 12 U English (min. 75%)</td>
</tr>
</tbody>
</table>

**Honours Arts** (Waterloo, St. Jerome’s, Renison), **Honours Arts and Business**, **Social Development Studies** (Renison)

**Majors:** Anthropology; Classical Studies; Communication Studies; Economics; English; Fine Arts; 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. After applying to Honours Arts and Business, you may co-register through St. Jerome’s or Renison.

## Computer Science

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computing and Financial Management</td>
<td>Low to mid-90s</td>
<td>AIF required.</td>
<td>Any Grade 12 U English (min. 75%); Advanced Functions; Calculus and Vectors; one other Grade 12 U course</td>
</tr>
</tbody>
</table>

## Engineering

### Software Engineering

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Engineering</td>
<td>Low to mid-90s</td>
<td>AIF required. Experience developing well-structured modular programs is required. Online video interview is required for Faculty scholarships and strongly recommended for admission. Individual selection may vary.</td>
<td>Advanced Functions (min. 70%), Calculus and Vectors (min. 70%), Chemistry (min. 70%), English (ENG4U - min. 70%), Physics (min. 70%)</td>
</tr>
</tbody>
</table>

### Architecture

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>Mid-80s</td>
<td>AIF required. Qualified applicants will be invited to complete an English précis-writing exercise and to submit a portfolio.</td>
<td>English (ENG4U - min. 75%), Advanced Functions (min. 70%), Calculus and Vectors (min. 70%), Physics (min. 70%)</td>
</tr>
</tbody>
</table>

## Environment

### Climate and Environmental Change

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate and Environmental Change</td>
<td>Low 80s</td>
<td></td>
<td>English (ENG4U - min. 70%), any Grade 12 U Mathematics (min. 70%), one of Chemistry or Physics, one other 12 U course</td>
</tr>
</tbody>
</table>

**Environment and Business:** Environment, Resources and Sustainability; Geography and Environmental Management; International Development

**Geography and Aviation:** Program Briefing Session and Transport Canada Category 1 Medical Certification required.

**Geomatics**

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geomatics</td>
<td>Low 80s</td>
<td></td>
<td>Any Grade 12 U English (min. 70%)</td>
</tr>
</tbody>
</table>

**Knowledge Integration**

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge Integration</td>
<td>Low 80s</td>
<td></td>
<td>Any Grade 12 U English (min. 75%), any Grade 12 U Science (min. 75%), any Grade 12 U Mathematics (min. 75%)</td>
</tr>
</tbody>
</table>

**Planning**

<table>
<thead>
<tr>
<th>Program/Major</th>
<th>Minimum Admission Average</th>
<th>Additional Requirements</th>
<th>Required Courses*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning</td>
<td>Low 80s</td>
<td></td>
<td>Any Grade 12 U English (min. 75%)</td>
</tr>
</tbody>
</table>

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NOTES

AIF: Admission Information Form – submit to tell us who you are outside of academics.

† Choose your major: see lists on pages 28 to 39. Some majors are competitive and require an application after first year.

* Grade 12 U unless otherwise specified. Minimum requirements: six Grade 12 U or M courses, including all required courses.
PROGRAMS REQUIRING PREVIOUS UNIVERSITY STUDY

Optometry Minimum overall university average of 75%. See School of Optometry and Vision Science website for required courses. Completion of at least three full years of university-level science with specific course requirements, Optometry Admission Test (OAT), Admission Information Form (AIF), online assessment of personal characteristics (CASPer), interview, and optometrist and character references.

Pharmacy Minimum overall university average of 75%. See School of Pharmacy website for required courses. Completion of at least two years of university or post-secondary studies with specific course requirements, Admission Information Form (AIF), reference, online assessment of personal characteristics (CASPer), interview, and Fundamental Skills Assessment (FSA). High school students whose admission average is at least 90% may qualify for Conditional Admission to Pharmacy (CAP) status. See CAP website for more information.

Social Work Minimum 70% average in university studies. This program is offered through Renison University College. Three- or four-year Bachelor of Arts (or equivalent) with a minimum of six units in the social sciences, including 10 prerequisite courses from the Renison curriculum or equivalents. Required courses and other admission details are available online.

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### HEALTH

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>MINIMUM ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS</th>
<th>REQUIRED COURSES*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences Low 80s regular, mid-80s co-op.</td>
<td>Any Grade 12 U English (min. 70%), Biology (min. 70%), Chemistry (min. 70%), any Grade 12 U Mathematics (min. 70%)</td>
<td></td>
</tr>
<tr>
<td>Kinesiology Low 80s regular, mid-80s co-op.</td>
<td>Any Grade 12 U English (min. 70%); any two of the following: Biology (min. 70%), Chemistry (min. 70%), or Physics (min 70%); and one of the following: Advanced Functions (min 70%) or Calculus and Vectors (min. 70%)</td>
<td></td>
</tr>
<tr>
<td>Public Health Low 80s regular, mid-80s co-op.</td>
<td>Any Grade 12 U English (min. 75%), any Grade 12 U Mathematics (min. 70%)</td>
<td></td>
</tr>
<tr>
<td>Recreation and Leisure Studies† Low 80s, Majors: Recreation and Leisure Studies, Recreation and Sport Business, Therapeutic Recreation.</td>
<td>Any Grade 12 U English (min. 70%)</td>
<td></td>
</tr>
</tbody>
</table>

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### BUSINESS

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>MINIMUM ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS</th>
<th>REQUIRED COURSES*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration (Laurier) and Computer Science (Waterloo) Double Degree Mid-90s.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
<td></td>
</tr>
<tr>
<td>Computer Science† Low to mid-90s, Majors: Computer Science, Data Science.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
<td></td>
</tr>
<tr>
<td>Mathematics† High 80s, Majors: 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.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
<td></td>
</tr>
<tr>
<td>Mathematics/Business Administration High 80s, Major: Information Technology Management.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
<td></td>
</tr>
<tr>
<td>Mathematics/Chartered Professional Accountancy High 80s.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
<td></td>
</tr>
<tr>
<td>Mathematics/Financial Analysis and Risk Management High 80s.</td>
<td>Advanced Functions; Calculus and Vectors; any Grade 12 U English; one other Grade 12 U course</td>
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</tbody>
</table>

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### SCIENCE

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>MINIMUM ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS</th>
<th>REQUIRED COURSES*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Science Low 80s.</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
<td></td>
</tr>
<tr>
<td>Honours Science Low 80s.</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
<td></td>
</tr>
<tr>
<td>Life Sciences† Low 80s, Majors: Biochemistry, Biology, Biomedical Sciences, Psychology.</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
<td></td>
</tr>
<tr>
<td>Physical Sciences† Low 80s, Majors: Chemistry, Earth Sciences, Life Physics, Materials and Nanosciences, Mathematical Physics, Medicinal Chemistry, Physics, Physics and Astronomy,</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
<td></td>
</tr>
<tr>
<td>Science and Business Low 80s</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
<td></td>
</tr>
<tr>
<td>Science and Aviation Low 80s. Program Briefing Session and Transport Canada Category 1 Medical Certification required.</td>
<td>English (ENG4U – min. 70%); Advanced Functions (min. 70%); Calculus and Vectors (min. 70%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
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</tr>
</tbody>
</table>

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### SFM

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>MINIMUM ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS</th>
<th>REQUIRED COURSES*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainability and Financial Management Mid-80s. Accounting and Financial Management Admissions Assessment (AFMAA) and the trait assessment required.</td>
<td>Any Grade 12 U English (min 75%); Advanced Functions (min 75%); Calculus and Vectors (min 75%); any two of the following: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics</td>
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</tr>
</tbody>
</table>

**FOR ALL MATHEMATICS PROGRAMS: AIF REQUIRED** PARTICIPATION IN THE EUCLID AND CANADIAN SENIOR MATHEMATICS CONTESTS IS STRONGLY RECOMMENDED. INDIVIDUAL SELECTION MAY VARY.
## ADMISSION REQUIREMENTS 2022

**OUT-OF-PROVINCE ADMISSION**

Complete admission requirements, recommendations, and documents are available online.

**NOTES**

- Advanced Placement courses may be substituted for required courses. Some programs may require higher admission averages based on the competition for available spaces. The admission averages below are based on last year's averages and may change. AIF: Admission Information Form
- Final grade at least 70%
- **Final grade at least 75%
- Choose your major: see lists on pages 28 to 39. Some majors are competitive and require an application after first year.

### PROGRAM/ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Program/Admission Average/Additional Requirements</th>
<th>Alberta, Northwest Territories, and Nunavut</th>
<th>British Columbia and Yukon</th>
<th>Manitoba</th>
<th>New Brunswick</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARTS</strong></td>
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</tr>
<tr>
<td>Global Business and Digital Arts Low 80s</td>
<td>English Language Arts 30-1**</td>
<td>English 12**</td>
<td>English 40S**</td>
<td>English 121** or 122**</td>
</tr>
<tr>
<td>Honours Arts† (Waterloo, St. Jerome’s, Renison), Honours Arts and Business†, Social Development Studies (Renison) Low 80s, After applying to Honours Arts and Business, you may co-register through St. Jerome’s or Renison.</td>
<td>English Language Arts 30-1**</td>
<td>English 12**</td>
<td>English 40S**</td>
<td>English 121** or 122**</td>
</tr>
<tr>
<td><strong>COMPUTING AND FINANCIAL MANAGEMENT</strong></td>
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<tr>
<td>Computing and Financial Management Low to mid-90s, AIF required.</td>
<td>Mathematics 30-1, Mathematics 31, English Language Arts 30-1**</td>
<td>Pre-Calculus 12; Calculus 12 or AP Calculus; English 12**</td>
<td>Pre-Calculus Mathematics 40S; one of Calculus 45A, 45S, or AP Calculus; English 40S**</td>
<td>Pre-Calculus 120B, Calculus 120, English 121** or 122**</td>
</tr>
<tr>
<td><strong>ENGINEERING</strong> – For all Engineering programs: AIF required.</td>
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</tr>
<tr>
<td>Architecture Mid-80s, AIF required. Qualified applicants will be invited to complete an English précis-writing exercise and to submit a portfolio.</td>
<td>English Language Arts 30-1**, Mathematics 30-1**, Mathematics 31*, Physics 30*</td>
<td>English 12**; Pre-Calculus 12*; Calculus 12* or AP Calculus*; Physics 12*</td>
<td>English 40S**; Pre-Calculus Mathematics 40S*, one of Calculus 45A*, 45S*, or AP Calculus*; Calculus 40S*, Physics 40S*</td>
<td>English 121** or 122**, Pre-Calculus 120B*, Calculus 120*, English 121** or 122**</td>
</tr>
<tr>
<td>Architectural, Chemical, Civil, Environmental, Geological, Management, Nanotechnology Mid-to-high 80s, Computer, Electrical, Mechanical, Mechatronics, Systems Design High 80s to low 90s, Biomedical Low to mid-90s, AIF required. Online video interview required for Faculty scholarships and strongly recommended for admission to all programs. Individual selection may vary.</td>
<td>Mathematics 30-1*, Mathematics 31*, Chemistry 30*, English Language Arts 30-1*, Physics 30*</td>
<td>Pre-Calculus 12*; Calculus 12* or AP Calculus*; Chemistry 12*; English 12*; Physics 12*</td>
<td>Pre-Calculus Mathematics 40S*; one of Calculus 45A*, 45S*, or AP Calculus*; Chemistry 40S*; English 40S*, Physics 40S*</td>
<td>Pre-Calculus 120B*, Calculus 120*, Chemistry 121* or 122*, English 121* or 122*, Physics 121* or 122*</td>
</tr>
<tr>
<td><strong>SOFTWARE ENGINEERING</strong></td>
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</tr>
<tr>
<td>Software Engineering Low to mid-90s, AIF required. Experience developing well-structured modular programs required. Online video interview required for Faculty scholarships and strongly recommended for admission. Individual selection may vary.</td>
<td>Mathematics 30-1*, Mathematics 31*, Chemistry 30*, English Language Arts 30-1*, Physics 30*</td>
<td>Pre-Calculus 12*; Calculus 12* or AP Calculus*; Chemistry 12*; English 12*; Physics 12*</td>
<td>Pre-Calculus Mathematics 40S*; one of Calculus 45A*, 45S*, or AP Calculus*; Chemistry 40S*; English 40S*, Physics 40S*</td>
<td>Pre-Calculus 120B*, Calculus 120*, Chemistry 121* or 122*, English 121* or 122*, Physics 121* or 122*</td>
</tr>
</tbody>
</table>
ALBERTA, NORTHWEST TERRITORIES, AND NUNAVUT
High school diploma with five academic courses at the 30 or 31 level. Arrange to have your school send us your official transcripts showing completed and current courses. Physical Education 30 and Career and Technology. Studies courses are not acceptable academic courses.

For admission purposes, two 3-credit 30-level academic courses may be considered equivalent to one 5-credit 30-level academic course.

BRITISH COLUMBIA AND YUKON
High school diploma with six courses at the Grade 12 academic level, including all required courses. Academic subjects do not include courses from the Applied Design, Skills, and Technologies (ADST) Curriculum, with the exception of Economics 12 and Financial Accounting 12.

While B.C. will automatically send us your marks electronically, they will not arrive in time for our admissions decisions. Applicants will receive instructions by email on how to submit your unofficial marks.

MANITOBA
High school diploma with five academic courses at the 40 level or higher. For programs requiring English 40S, Language and Technical Communication (40S) will not be accepted.

NEW BRUNSWICK
High school diploma with six academic courses at the Grade 12, 120, 121, or 122 level.

NEWFOUNDLAND AND LABRADOR
High school diploma with six academic courses (2-credit) at the 3 level.

NOVA SCOTIA
High school diploma with five academic or advanced courses at the Grade 12 level.

PRINCE EDWARD ISLAND
High school diploma with five academic or advanced courses at the 611 or 621 level.

QUEBEC (CEGEP)
One year of CEGEP with a minimum of 12 semestered academic courses. CEGEP admission averages may differ from high school admission averages: uwaterloo.ca/future/admissions. Chemistry I and II can also be referred to as General Chemistry and Chemistry of Solutions. Transfer credits may be granted for most programs: uwaterloo.ca/future/transfer.

SASKATCHEWAN
High school diploma with five academic courses at the 30 level.

INTERNATIONAL BACCALAUREATE
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 Math: Analysis and Approaches, HL Applications and Interpretations will not be accepted unless stated otherwise. SL Applications and Interpretations will not be accepted for any program.

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

<table>
<thead>
<tr>
<th>NEWFOUNDLAND AND LABRADOR</th>
<th>NOVA SCOTIA</th>
<th>PRINCE EDWARD ISLAND</th>
<th>QUEBEC (CEGEP)</th>
<th>SASKATCHEWAN</th>
<th>INTERNATIONAL BACCALAUREATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 3201**, one of Advanced Mathematics 3201* or 3200*; one of Mathematics 3208** or AP Calculus**</td>
<td>English 12 Academic**, Pre-Calculus 12**, Calculus 12**</td>
<td>English 621A**, Mathematics 61B**, Mathematics 621B**</td>
<td>Two English 603** or 604** series; Calculus I**, Linear Algebra** or Calculus II**</td>
<td>English Language Arts A30** and B30**; Pre-Calculus 30**, Calculus 30** or AP Calculus**</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>English 3201**</td>
<td>English 12 Academic**</td>
<td>English 621A**</td>
<td>Two English 603** or 604** series</td>
<td>Two English 603** or 604** series</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Total 27.</td>
</tr>
<tr>
<td>English 3201*</td>
<td>English 12 Academic*</td>
<td>English 621A*</td>
<td>English Language Arts A30* and B30*</td>
<td>Mathematics: HL Analysis and Approaches; min 6. HL or SL English A, min 4, or HL English B, min 5. Total 32.</td>
<td></td>
</tr>
<tr>
<td>One of Advanced Mathematics 3201 or 3200; one of Mathematics 3208 or AP Calculus; English 3201**</td>
<td>Pre-Calculus 12, Calculus 12, English 12 Academic**</td>
<td>Mathematics 61B, Mathematics 621B, English 621A**</td>
<td>Calculus I; Linear Algebra or Calculus II; two English 603** or 604** series</td>
<td>Pre-Calculus 30, Calculus 30 or AP Calculus; English Language Arts A30* and B30*</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>English 3201**, one of Advanced Mathematics 3201* or 3200*; one of Mathematics 3208* or AP Calculus*; Mathematics 3204*</td>
<td>English 12 Academic**; Pre-Calculus 12*, Calculus 12*; Physics 12 Academic*</td>
<td>Mathematics 61B*, Mathematics 621B*, Mathematics 621B, Physics 621A*</td>
<td>Two English 603** or 604** series; Calculus I*; Calculus II* or Linear Algebra*; Mechanics*; one of Electricity &amp; Magnetism* or Waves, Optics &amp; Modern Physics*</td>
<td>English Language Arts A30* and B30*; Pre-Calculus 30*, Calculus 30* or AP Calculus*; Physics 30*</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>One of Advanced Mathematics 3201* or 3200*; one of Mathematics 3208* or AP Calculus*; Chemistry 3202*; English 3201*; Physics 3204*</td>
<td>Pre-Calculus 12*, Calculus 12*, Chemistry 12 Academic*, English 12 Academic*, Physics 12 Academic*</td>
<td>Mathematics 61B*, Mathematics 621B*, Chemistry 61A* or 621A*, English 621A*, Physics 621A*</td>
<td>Secondary V Chemistry*; two English 603* or 604* series; Calculus I*; Calculus II* or Linear Algebra*; Mechanics*; one of Electricity &amp; Magnetism*; Waves, Optics &amp; Modern Physics*; Chemistry I*, or Chemistry II*</td>
<td>Pre-Calculus 30*, Calculus 30* or AP Calculus*; Chemistry 30*; English Language Arts A30* and B30*; Physics 30*</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>
</tbody>
</table>

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OUT-OF-PROVINCE ADMISSION REQUIREMENTS 2022 CONTINUED

<table>
<thead>
<tr>
<th>PROGRAM/ADMISSION AVERAGE/ADDITIONAL REQUIREMENTS</th>
<th>ALBERTA, NORTHWEST TERRITORIES, AND NUNAVUT</th>
<th>BRITISH COLUMBIA AND YUKON</th>
<th>MANITOBA</th>
<th>NEW BRUNSWICK</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENVIRONMENT</strong></td>
<td></td>
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</tr>
<tr>
<td>Climate and Environmental Change Low 80s</td>
<td>English Language Arts 30-1*, one of Math 30-1*, Math 30-2*, or Math 31*; one of Chemistry 30 or Physics 30</td>
<td>English 12*, one of Grade 12 Math* or AP Calculus*; one of Chemistry 12 or Physics 12</td>
<td>English 40S*; one of Pre-Calculus Mathematics 40S*, Calculus 45A*, 45S*, or AP Calculus*; one of Chemistry 40S or Physics 40S</td>
<td>English 121* or English 122*; one of Pre-Calculus 120B* or Calculus 120*; one of Chemistry 121 or 122 or Physics 121 or 122</td>
</tr>
<tr>
<td>Environment and Business; Environment, Resources and Sustainability; Geography and Environmental Management; International Development Low 80s</td>
<td>English Language Arts 30-1*</td>
<td>English 12*</td>
<td>English 40S*</td>
<td>English 121* or 122*</td>
</tr>
<tr>
<td>Geography and Aviation Low 80s</td>
<td>English Language Arts 30-1*, one of Math 30-1*, Math 30-2*, or Math 31*; one of Chemistry 30 or Physics 30</td>
<td>English 12*, one of Grade 12 Math* or AP Calculus*</td>
<td>English 40S*; one of Pre-Calculus Mathematics 40S*, Calculus 45A*, 45S*, or AP Calculus*</td>
<td>English 121* or 122*; Pre-Calculus 120B* or Calculus 120*</td>
</tr>
<tr>
<td>Geomatics Low 80s</td>
<td>English Language Arts 30-1*, one of Math 30-1*, Math 30-2*, or Math 31*</td>
<td>English 12*, one of Grade 12 Math* or AP Calculus*</td>
<td>English 40S*; one of Pre-Calculus Mathematics 40S*, Calculus 45A*, 45S*, or AP Calculus*</td>
<td>English 121* or 122*; Pre-Calculus 120B* or Calculus 120*</td>
</tr>
<tr>
<td>Knowledge Integration Low 80s</td>
<td>English Language Arts 30-1*, one of Math 30-1*, Math 30-2*, or Math 31*; one of Level 30 or 31 Science**</td>
<td>English 12**, one of Grade 12 Math**, one Grade 12 Science**</td>
<td>English 405**, one of Math** at the 40 level or higher, one Science** at the 40 level or higher</td>
<td>English 121** or 122**; Pre-Calculus 120B** or Calculus 120**; one Science** at the 121 or 122 level</td>
</tr>
<tr>
<td>Planning Low 80s</td>
<td>English Language Arts 30-1**</td>
<td>English 12**</td>
<td>English 405**</td>
<td>English 121** or 122**</td>
</tr>
<tr>
<td><strong>HEALTH</strong></td>
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</tr>
<tr>
<td>Health Sciences Low 80s regular, mid-80s co-op.</td>
<td>Biology 30*, Chemistry 30*, English Language Arts 30-1*, one of Mathematics 30-1*, Mathematics 30-2*, or Mathematics 31*</td>
<td>Anatomy and Physiology 12*, Chemistry 12*, English 12*, one Grade 12 Mathematics* or AP Calculus*</td>
<td>Biology 405*, Chemistry 405*, English 405*, one of Pre-Calculus Mathematics 40S*, Calculus 45A*, 45S*, or AP Calculus*; one of Pre-Calculus Mathematics 40S*, Calculus 45A*, Calculus 45S*, or AP Calculus*</td>
<td>Biology 121* or 122*; Chemistry 121* or 122*; English 121* or 122*; Pre-Calculus 120B* or Calculus 120*</td>
</tr>
<tr>
<td>Kinesiology Low 80s regular, mid-80s co-op.</td>
<td>Mathematics 30-1* or Mathematics 31*; two of Biology 30*, Chemistry 30*, or Physics 30*, English Language Arts 30-1*</td>
<td>One of Pre-Calculus Mathematics 40S*, Calculus 45A*, 45S*, or AP Calculus*; two of Anatomy and Physiology 12*, Chemistry 12*, or Physics 12*, English 12*</td>
<td>One of Pre-Calculus Mathematics 40S*, Calculus 45A*, Calculus 45S*, or AP Calculus*; two of Biology 405*, Chemistry 405*, or Physics 405*; English 405*</td>
<td>One of Pre-Calculus 120B* or Calculus 120*; two of Biology 121* or 122*; Chemistry 121* or 122*; or Physics 121* or 122*; English 121* or 122*</td>
</tr>
<tr>
<td>Public Health Low 80s regular, mid-80s co-op.</td>
<td>English Language Arts 30-1**; one of Mathematics 30-1*, Mathematics 30-2*, or Mathematics 31*</td>
<td>English 12**, one of Grade 12 Mathematics* or AP Calculus*</td>
<td>English 405**; one of Pre-Calculus Mathematics 40S*, Calculus 45A*, Calculus 45S*, or AP Calculus*</td>
<td>English 121** or 122**; Pre-Calculus 120B* or Calculus 120*</td>
</tr>
<tr>
<td>Recreation and Leisure Studies† Low 80s</td>
<td>English Language Arts 30-1*</td>
<td>English 12*</td>
<td>English 405*</td>
<td>English 121* or 122*</td>
</tr>
</tbody>
</table>

For additional province-specific information, refer to the notes on page 51. Complete admission requirements, recommendations, and documents are available online.

† For students in the United States, pre-calculus (or equivalent) is recommended.

For details on additional requirements and recommendations, please refer to the notes on page 51.
<table>
<thead>
<tr>
<th>NEWFOUNDLAND AND LABRADOR</th>
<th>NOVA SCOTIA</th>
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<th>INTERNATIONAL BACCALAUREATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 3201*; one of Advanced Mathematics 3201* or 3200*, Mathematics 3208* or AP Calculus*</td>
<td>English 12 Academic*; one of Mathematics 12*, Pre-Calculus 12*, or Calculus 12*</td>
<td>English 621A*; one of Mathematics 611B* or Mathematics 621B*, one of Chemistry 611A or 621A or Physics 621A</td>
<td>Two English 603* or 604* series; one of Linear Algebra *, Calculus I <em>, or Calculus II</em>; one of both Chemistry I and II, or Mechanics, plus one of Electricity and Magnetism or Waves, Optics, and Modern Physics</td>
<td>English Language Arts A30* and B30*; one of Pre-Calculus 30*, Calculus 30*, or AP Calculus*</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: Chemistry or Physics. Total 27</td>
</tr>
<tr>
<td>English 3021*; one of Mathematics 3021* or 3200*, Mathematics 3208* or AP Calculus*</td>
<td>English 12 Academic*; one of Mathematics 12*, Pre-Calculus 12*, or Calculus 12*</td>
<td>English 621A*; Math 611B* or 621B*</td>
<td>Two English 603* or 604* series; one of Linear Algebra *, Calculus I <em>, or Calculus II</em></td>
<td>English Language Arts A30* and B30*; one of Foundations of Math 30*, Pre-Calculus 30*, Calculus 30* or AP Calculus*</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. Strangely recommended: one SL course in Physical or Environmental Science. Total 27</td>
</tr>
<tr>
<td>English 3020*, one of Mathematics 3020* or 3200*, Mathematics 3208* or AP Calculus*</td>
<td>English 12 Academic*; one of Mathematics 12*, Pre-Calculus 12*, or Calculus 12*</td>
<td>English 621A*; Math 611B* or 621B*</td>
<td>Two English 603* or 604* series; one of Linear Algebra *, Calculus I <em>, or Calculus II</em></td>
<td>English Language Arts A30* and B30*; one of Foundations of Math 30*, Pre-Calculus 30*, or AP Calculus*</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>English 3021**, one of Mathematics 3021* or 3200*, or AP Calculus*</td>
<td>English 12 Academic**; one of Mathematics 12**, Pre-Calculus 12**, or Calculus 12**, one Grade 12 Academic Science**</td>
<td>English 621A**; Math 611B** or 621B**; one Science** at the 611A or 621A level</td>
<td>Two English 603** or 604** series; one academic course in Math**, one academic course in Science**</td>
<td>English Language Arts A30** and B30**; one Math** at the 30 level, one Science** at the 30 level</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Total 27</td>
</tr>
<tr>
<td>Biology 3021*; Chemistry 3202*; English 3201*; one of Advanced Mathematics 3201* or 3200*, Mathematics 3208* or AP Calculus*</td>
<td>Biology 12 Academic*; Chemistry 12 Academic*; English 12 Academic*; one of Mathematics 12*, Pre-Calculus 12*, or Calculus 12*</td>
<td>Biology 621A*; Chemistry 611A* or 621A*; English 621A*; Mathematics 611B* or 621B*</td>
<td>Biology I* and II*; one SL course in Physical or Biological Science*; one SL course in Social Science*</td>
<td>Biology 30*; Chemistry 30*; English Language Arts A30* and B30*; one of Foundations of Mathematics 30*, Pre-Calculus 30*, or Calculus 30*</td>
<td>Mathematics: HL or SL Analysis and Approaches, min 4, or HL Applications and Interpretations, min 4. HL or SL Chemistry, min 4. HL or SL Biology, min 4. HL or SL English A, min 4, or HL English B, min 5. Total 28</td>
</tr>
<tr>
<td>One of Advanced Mathematics 3021* or 3200*, Mathematics 3208*, or AP Calculus*</td>
<td>One of Pre-Calculus 12* or Calculus 12*</td>
<td>One of Mathematics 611B* or 621B*; two of Biology 621A* or 611A*; one of Mathematics 611A* or 621A*; one of Physics 621A* or 611A*</td>
<td>Linear Algebra* or Calculus I*; two of Biology 1* and II*; Chemistry I* and II*; Mechanics* plus either Electricity &amp; Magnetism or Waves, Optics &amp; Modern Physics*; two English 603* or 604* series</td>
<td>One of Pre-Calculus 30*, Calculus 30*, or AP Calculus*; two of Biology 30*, Chemistry 30*, or Physics 30*; English Language Arts A30* and B30*</td>
<td>Mathematics: HL or SL Analysis and Approaches, min 4, or HL Applications and Interpretations, min 4. Two of HL or SL Biology, HL or SL Physics, or HL or SL Chemistry, min 4 in each; HL or SL English A, min 4, or HL or SL English B, min 5. Total 28</td>
</tr>
<tr>
<td>English 3021**; one of Advanced Mathematics 3201* or 3200*, Mathematics 3208*, or AP Calculus*</td>
<td>English 12 Academic**; one of Mathematics 12*, Pre-Calculus 12*, or Calculus 12*</td>
<td>English 621A**; Mathematics 611B* or 621B*</td>
<td>Two English 603** or 604** series; Linear Algebra* or Calculus I*</td>
<td>English Language Arts A30** and B30**; one of Foundations of Math 30*, Pre-Calculus 30*, or Calculus 30*</td>
<td>Mathematics: HL or SL Analysis and Approaches, min 4, or HL Applications and Interpretations, min 4. HL or SL English A, min 4, or HL or SL English B, min 5. Total 27</td>
</tr>
<tr>
<td>English 3021*</td>
<td>English 12 Academic*</td>
<td>English 621A*</td>
<td>Two English 603* or 604* series</td>
<td>English Language Arts A30* and B30*</td>
<td>HL or SL English A, min 4, or HL English B, min 5. Total 27</td>
</tr>
</tbody>
</table>
## OUT-OF-PROVINCE ADMISSION REQUIREMENTS 2022 CONTINUED

**Program/Admission Average/Additional Requirements**

<table>
<thead>
<tr>
<th>Program/Admission Average/Additional Requirements</th>
<th>Alberta, Northwest Territories, and Nunavut</th>
<th>British Columbia and Yukon</th>
<th>Manitoba</th>
<th>New Brunswick</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mathematics</strong> - For all Mathematics programs: AIF required. Participation in the Euclid and Canadian Senior Mathematics Contests is strongly recommended.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Administration (Laurier) and Computer Science (Waterloo) Double Degree Mid-90s. Business Administration (Laurier) and Mathematics (Waterloo) Double Degree Low 90s. Mathematics/Chartered Professional Accountancy High 80s. AIF required. Individual selection may vary.</td>
<td>Math 30-1, Math 31, English Language Arts 30-1</td>
<td>Pre-Calculus 12; Calculus 12 or AP Calculus; English 12</td>
<td>Pre-Calculus Math 40S; one of Calculus 45A, 45S, or AP Calculus; English 40S</td>
<td>Pre-Calculus 120B, Calculus 120, English 121 or 122</td>
</tr>
<tr>
<td>Mathematics1, Mathematics/Business Administration1, Mathematics/Financial Analysis and Risk Management High 80s. AIF required. Individual selection may vary.</td>
<td>Math 30-1, Math 31, English Language Arts 30-1</td>
<td>Pre-Calculus 12; Calculus 12 or AP Calculus; English 12</td>
<td>Pre-Calculus Math 40S; one of Calculus 45A, 45S, or AP Calculus; English 40S</td>
<td>Pre-Calculus 120B, Calculus 120, English 121 or 122</td>
</tr>
<tr>
<td>Computer Science1 Low to mid-90s. AIF required. Individual selection may vary.</td>
<td>Math 30-1, Math 31, English Language Arts 30-1</td>
<td>Pre-Calculus 12; Calculus 12 or AP Calculus; English 12</td>
<td>Pre-Calculus Math 40S; one of Calculus 45A, 45S, or AP Calculus; English 40S</td>
<td>Pre-Calculus 120B, Calculus 120, English 121 or 122</td>
</tr>
</tbody>
</table>

### Science

| Science and Business Low 80s. | English Language Arts 30-1*: Math 30-1*: Math 31*: two of Biology 30, Chemistry 30, Math 30-2, or Physics 30 | English 12*: Pre-Calculus 12*: Calculus 12* or AP Calculus*; two of Anatomy and Physiology 12, Chemistry 12, Geology 12, Physics 12, or either Statistics 12 or Foundations of Math 12 | English 405*: Pre-Calculus Math 405*: one of Calculus 45A*, 45S*, or AP Calculus*; two of Biology 40S, Chemistry 40S, or Physics 40S | English 121* or 122*: Pre-Calculus 120B*, Calculus 120*; two of Biology 121 or 122, Chemistry 121 or 122, Physics 121 or 122, or Foundations of Math 120 |
| Science and Aviation Low 80s. Program Briefing Session and Transport Canada Category 1 Medical Certification required. | English Language Arts 30-1*: Math 30-1*: Math 31*: two of Biology 30, Chemistry 30, Math 30-2, or Physics 30 | | | |

### Sustainability and Financial Management

| Sustainability and Financial Management Mid-80s. Accounting and Financial Management Admissions Assessment (AFMAA), Interview and trait assessment required. | English Language Arts 30-1**, Mathematics 30-1**, Mathematics 31** | English 12**: Pre-Calculus 12**: Calculus 12** or AP Calculus** | English 405**: Pre-Calculus Mathematics 405**: Calculus 45A**, 45S** or AP Calculus** | English 121** or 122**: Pre-Calculus 120B**, Calculus 120** |

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For additional province-specific information, refer to the notes on page 51. Complete admission requirements, recommendations, and documents are available online.
<table>
<thead>
<tr>
<th>Newfoundland and Labrador</th>
<th>Nova Scotia</th>
<th>Prince Edward Island</th>
<th>Quebec (CEGEP)</th>
<th>Saskatchewan</th>
<th>International Baccalaureate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Calculus 12, Calculus 12, English 12 Academic</td>
<td>Pre-Calculus 30; Calculus 30 or AP Calculus; English Language Arts A30 and B30</td>
<td>Pre-Calculus 30; Calculus 30 or AP Calculus; English Language Arts A30 and B30</td>
<td>Pre-Calculus 30; Calculus 30 or AP Calculus; English Language Arts A30 and B30</td>
<td>Pre-Calculus 30; Calculus 30 or AP Calculus; English Language Arts A30 and B30</td>
<td>Pre-Calculus 30; Calculus 30 or AP Calculus; English Language Arts A30 and B30</td>
</tr>
</tbody>
</table>

*EnglishHL or SL English A. Total 32. **Mathematics: HL Analysis and Approaches, min 4. HL or SL English A, min 4, or HL English B, min 5. Two of: Biology, Chemistry, or Physics. Total 27. except for Biotechnology/Chartered Professional Accountancy: Total 32.
1. CHOOSE YOUR PROGRAM
Read through the program descriptions on pages 40-47 and write down the programs you’re most interested in, along with which faculty the program is part of.

ADMISSIONS TIP: If you’re interested in a program where co-op is available and you’re on the fence about whether to apply to the regular system of study or the co-op program, we encourage you to apply to co-op. If you decide co-op isn’t for you, it’s easier to drop co-op than join the co-op program later.

2. ORDER FACULTY BROCHURES
Download detailed faculty brochures that include information about one or more programs you’re thinking about.

uwaterloo.ca/future/order

3. REVIEW THE REQUIREMENTS
Refer to the admissions charts on pages 48-55 and highlight what the admissions requirements are for each program that interests you.
4. APPLY ONLINE
Turn to page 58 to learn more about important dates and getting started. After reviewing that page, apply to Waterloo and our University Colleges (Renison or St. Jerome’s University) through the Ontario Universities’ Application Centre.

5. LOG IN TO QUEST
Quest is our student information system. You’ll use Quest to complete your Admission Information Form, view your application status, and upload any documents we require as part of the application process. Look for an email from us with the subject line “Thank you for applying to Waterloo” for more information. And be sure to add myapplication@uwaterloo.ca and askus@uwaterloo.ca to your contacts so you don’t miss our emails!

6. SEND US YOUR DOCUMENTS
In addition to your official transcripts, we may require other documentation (i.e., proof of English language instruction). Looking for more information on documents? Turn to page 58 for more information on important dates and English language test scores.

7. COMPLETE YOUR ADMISSION INFORMATION FORM
Some programs require an interview, portfolio, or other elements in addition to your Admission Information Form (AIF). Check the admission charts on pages 48-55 for details.

The AIF can seem a little daunting. What to say? Where to begin? Here are five tips for writing the best AIF:

1. Don’t overthink your answers. Go with your gut when responding to the questions.
2. Answer the question that’s asked.
3. Be honest. Honesty and open communication are key values to Waterloo and are an important part of our admissions process.
4. Don’t write what you think admissions officers want to hear! They read thousands of AIFs each year and can tell when students aren’t being genuine. Take the time to make your responses authentic.
5. Proofread your work. Make a great impression on Admissions committees with an error-free AIF.

8. CONTINUE TO GET TO KNOW US
To help pass the time, check out tips from Waterloo students about choosing a university program, admissions, and more!

uwaterloo.ca/future/tips

ADMISSIONS TIP: Start brainstorming things you’d like to include on the AIF, like leadership roles, volunteer work, awards, etc.
Need help planning for your future at Waterloo? Simply fill out the checklist on pages 56-57 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). If you’re currently studying in an Ontario curriculum, use the 101 application. Your high school will automatically send us your grades.

If you’re studying in an educational system outside of the Ontario curriculum, 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, 6.5 writing, 6.0 reading, 6.0 listening</td>
<td>70 overall, 70 writing, 70 speaking</td>
<td>63 overall, 65 writing, 65 speaking</td>
<td>160 overall, 176 writing, 176 speaking, 176 reading, 176 listening</td>
<td>120 overall, 75% overall 120 subscore results must be submitted.</td>
<td>75% overall in 400 levels, 75% academic, 75% oral, 75% writing</td>
</tr>
</tbody>
</table>

**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, Health, Mathematics, or Science, or the School of Architecture.*

*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).
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 federal and provincial financial aid (such as OSAP), scholarships, and awards in specific faculties.

uwaterloo.ca/future/financing

ENTRANCE SCHOLARSHIPS AND BURSARIES

See our website for a complete list of scholarships and awards.

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

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

up to

$5,000**
PRESIDENT’S SCHOLARSHIP OF DISTINCTION
95%+ admission average

$500–$4,000
ENTRANCE BURSARIES (ONTARIO STUDENTS ONLY)
Awarded based on financial need

$8,400–$14,200+
first co-op work term earnings to help offset tuition

$17M
in scholarships and bursaries awarded to first-year students in 2020

TUITION FEES

(for two academic terms)

<table>
<thead>
<tr>
<th>PROGRAM/FACULTY</th>
<th>CANADIAN TUITION (SCAD)</th>
<th>INTERNATIONAL TUITION (STUDY PERMIT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Financial Management*, Arts, Health</td>
<td>$8,000</td>
<td>$43,000</td>
</tr>
<tr>
<td>Architecture</td>
<td>$12,000</td>
<td>$61,000</td>
</tr>
<tr>
<td>Biotechnology/Chartered Professional Accountancy</td>
<td>$8,000</td>
<td>$45,000</td>
</tr>
<tr>
<td>Business Administration (Laurier) and Mathematics (Waterloo) Double Degree</td>
<td>$12,000</td>
<td>$48,000</td>
</tr>
<tr>
<td>Computer Science, Business Administration (Laurier) and Computer Science (Waterloo) Double Degree</td>
<td>$15,000</td>
<td>$63,000</td>
</tr>
<tr>
<td>Computing and Financial Management*</td>
<td>$8,000</td>
<td>$48,000</td>
</tr>
<tr>
<td>Engineering, Software Engineering</td>
<td>$16,000</td>
<td>$63,000</td>
</tr>
<tr>
<td>Environment, Sustainability and Financial Management*</td>
<td>$8,000</td>
<td>$44,000</td>
</tr>
<tr>
<td>Global Business and Digital Arts</td>
<td>$14,000</td>
<td>$46,000</td>
</tr>
<tr>
<td>Mathematics</td>
<td>$8,000</td>
<td>$48,000</td>
</tr>
<tr>
<td>Mathematics/Chartered Professional Accountancy</td>
<td>$8,000</td>
<td>$47,000</td>
</tr>
<tr>
<td>Mathematics/Financial Analysis and Risk Management</td>
<td>$12,000</td>
<td>$49,000</td>
</tr>
<tr>
<td>Science</td>
<td>$8,000</td>
<td>$45,000</td>
</tr>
</tbody>
</table>

Notes: Amounts listed include incidental fees. Co-op fee of $739/term also applies. See the website for fee details. *Tuition is significantly higher in your upper years. **$2,000 awarded in first year, plus up to $3,000 in upper years. Fees based on 2021-22 tuition rates.

LIVING EXPENSES

(for two academic terms)

| RESIDENCE | From $6,008 (traditional style) to $7,995 (suite style). |
| MEAL PLAN | From $5,200 (lite) to $6,000 (hearty). |
| PERSONAL EXPENSES | $3,600 on average ($450/month). Expenses may include phone, laundry, clothing, Internet, personal care, and entertainment; depends on your lifestyle. |
| BOOKS AND SUPPLIES | Most programs estimate $2,100 ($4,100 for Architecture students). |

85% of first-year students received an entrance scholarship or bursary for fall 2020
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

3 SATELLITE CAMPUSES

in Cambridge, Kitchener, and Stratford

34,459 UNDERGRADUATE STUDENTS

48% women, 22% international students (Fiscal year 2020-2021)

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.

BUILDING LEGEND

- STUDENT SERVICES
- RESIDENCES
- UNIVERSITY COLLEGES
- ARTS
- ENGINEERING
- ENVIRONMENT
- HEALTH
- MATH
- SCIENCE
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
DISCOVER OUR UNIVERSITY COLLEGES

A University College is a small, tight-knit community that offers residence and academic programs within the larger University of Waterloo. Waterloo’s main campus includes four university colleges: Conrad Grebel, Renison, St. Paul’s, and St. Jerome’s University.

uwaterloo.ca/future/colleges

WHERE EVERYBODY KNOWS YOUR NAME

Students from all six faculties can take classes at the University Colleges that can be counted towards their University of Waterloo degree. You’ll enjoy the opportunity to form close connections with your classmates, as classes are often capped at 50 or fewer students.

ALL-IN-ONE AMENITIES

Live, learn, laugh, and study – all in one place. Just steps away from your residence room at one of the university colleges, you’ll find quiet study spaces, classrooms, student support services, outdoor green spaces, and all-inclusive meal plans with options for every type of foodie.

PART OF THE FAMILY

College-wide dinners. Movie nights. Game rooms. The inter-college cup. These are some of the activities that help you make friends and create a sense of community.

3–10 MINUTE walk to popular campus buildings and the campus transit hub (bus and LRT)

100+ WAYS TO GET INVOLVED

clubs, sports, Student Council, talent shows, and leadership roles – many of which are paid opportunities