

An aerial view of the University of Guelph campus during autumn. The main building is a large, light-colored stone structure with a prominent clock tower on the left. The roof is dark grey with several dormer windows. The surrounding area is filled with trees in shades of orange, yellow, and green. A paved walkway runs along the left side of the building. The sky is blue with scattered white clouds.

UG

UNIVERSITY OF GUELPH

Your adventure starts here.
Let's *Improve Life* together.

**TO IMPROVE LIFE
IS OUR CHALLENGE.**

From collaboration, to research and sustainable solutions. From how we feed the world and preserve its nature to how we live, interact and thrive in our communities and businesses, we must continue to evolve. We must improve life.

**WHAT ROLE
WILL YOU
PLAY?**

ONE OF CANADA'S

TOP

**COMPREHENSIVE UNIVERSITIES
(WITH OVER 26,000 UNDERGRADS)**

Maclean's 2021

Times Higher Education IMPACT Rankings, 2021

ONE OF THE MOST SUSTAINABLE UNIVERSITIES IN THE

WORLD

WE ACKNOWLEDGE

The University of Guelph campuses reside within the lands of the Dish with One Spoon Wampum. We recognize that the Anishinaabe, Hodinohso:ni, Lūnaapéewak and Huron-Wendat peoples have inhabited these lands for centuries and we respect their enduring relationships with these lands. We are committed to working towards decolonization and reconciliation with Indigenous peoples and enhancing the engagement of and supports for First Nations, Inuit, and Métis students.

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PROGRAMS BY THEME

We don't expect you to have your life figured out. That's why we offer the flexibility to try on programs and make a switch if you find something you like better. Check out your options.

I'm interested in animals, conservation and health...

ANIMAL HEALTH

Animal Biology46

Animal Science ■42

Bio-Medical Science47

Doctor of Veterinary Medicine51

Equine Management ■24

Marine and Freshwater Biology ■48

One Health ■39

Wildlife Biology and Conservation ■49

Zoology49

I am artistic, creative, and/or love to perform...

ART, DESIGN, PERFORMANCE

Art History14

Computer Science ■26

Creative Writing14

Culture and Technology Studies ■14

Landscape Architecture37

Music16

Software Engineering ■26

Studio Art17

Theatre Studies17

I want to have a competitive edge, get a first-rate skillset and make a difference in the world...

ARTS, HUMANITIES AND SOCIAL SCIENCES

Anthropology ■14

Art History14

Arts and Sciences19

Classical Studies14

Creative Writing14

Criminal Justice and Public Policy ■14

Culture and Technology Studies ■14

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Justice Studies (GH)56

Mathematical Economics ■16

Mathematical Science16

Music16

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Philosophy16

Political Science ■16

Psychology ■17

Psychology (GH)56

Sexualities, Genders and Social Change17

Sociology17

Studio Art17

Theatre Studies17

I see myself as an ethical and sustainable business leader...

BUSINESS AND MANAGEMENT

Accounting ■28

Business (GH)56

Economics ■15

Environmental Economics and Policy ■44

Environmental Management ■24

Equine Management ■24

European Studies15

Food, Agricultural and Resource Economics ■15

Food and Agricultural Business ■28

Food Industry Management ■24

Government, Economics and Management ■29

Hospitality and Tourism Management ■29

International Development Studies ■16

Management ■29

Management Economics and Finance ■29

Marketing Management ■29

Mathematical Economics ■16

Media and Communication Studies (GH)56

Real Estate ■29

Sport and Event Management ■29

I want to collaborate and solve complex problems...

ENGINEERING AND TECHNOLOGY

Biological Engineering ■32

Biomedical Engineering ■32

Computer Engineering ■32

Computer Science ■26

Culture and Technology Studies ■14

Engineering Systems and Computing ■32

Environmental Engineering ■32

Environmental Geomatics ■47

Mechanical Engineering ■33

Nanoscience ■49

Physical Science49

Physics ■49

Software Engineering ■26

Theoretical Physics49

Water Resources Engineering ■33

I want to save the planet...

ENVIRONMENT AND LAND RESOURCES

Biodiversity46

Crop Science ■42

Ecology ■44

Environmental Biology47

Environmental Economics and Policy ■44

Environmental Engineering ■32

Environmental Geomatics ■47

Environmental Governance ■15

Environmental Management ■24

Environment and Resource Management ■44

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Geography ■16

Honours Agriculture ■42

Horticulture ■42

Indigenous Environmental Science and Practice ■35

International Development Studies ■16

Landcape Architecture37

Marine and Freshwater Biology ■48

One Health ■39

Plant Science ■49

Turfgrass Management ■54

Water Resources Engineering ■33

Wildlife Biology and Conservation ■49

I want to help feed 8 billion people...

FOOD

Applied Human Nutrition22

Crop Science ■42

Food, Agricultural and Resource Economics ■15

Food and Agricultural Business ■28

Food Industry Management ■24

Food Science ■47

Honours Agriculture ■42

Horticulture ■42

Nutritional and Nutraceutical Sciences ■49

One Health ■39

Plant Science ■49

I'm interested in human health...

HUMAN HEALTH

Applied Human Nutrition22

Biochemistry ■46

Biological and Medical Physics ■46

Biological and Pharmaceutical Chemistry ■46

Biological Engineering ■32

Biomedical Engineering ■32

Bio-Medical Science47

Biomedical Toxicology ■47

Child Studies22

Community Social Services (GH)56

Early Childhood Studies (GH)56

Family Studies and Human Development22

Food Science ■47

Human Kinetics48

Kinesiology (GH)56

Microbiology ■48

Molecular Biology and Genetics ■48

Nanoscience ■49

Neuroscience ■49

Nutritional and Nutraceutical Sciences ■49

One Health ■39

Physical Science49

Physics ■49

Plant Science ■49

Theoretical Physics49

Wildlife Biology and Conservation ■49

Zoology49

I want to contribute to discoveries that will aid humankind, our planet and beyond...

SCIENCES

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Animal Science ■42

Arts and Sciences19

Biochemistry ■46

Biodiversity46

Biological and Medical Physics ■46

Biological and Pharmaceutical Chemistry ■46

Biological Science47

Bio-Medical Science47

Biomedical Toxicology ■47

Chemical Physics ■47

Chemistry ■47

Crop Science ■42

Doctor of Veterinary Medicine51

Environmental Biology47

Environmental Geomatics ■47

Environmental Management ■24

Equine Management ■24

Food Industry Management ■24

Food Science ■47

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Horticulture ■42

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Kinesiology (GH)56

Marine and Freshwater Biology ■48

Mathematical Science48

Microbiology ■48

Molecular Biology and Genetics ■48

Nanoscience ■49

Neuroscience ■49

Nutritional and Nutraceutical Sciences ■49

One Health ■39

Physical Science49

Physics ■49

Plant Science ■49

Theoretical Physics49

Wildlife Biology and Conservation ■49

Zoology49

I want to get my career going ASAP!...

ASSOCIATE DIPLOMAS

Agriculture ■54

Environmental Management54

Equine Care and Management ■54

Horticulture ■54

Turfgrass Management ■54

Veterinary Technology54

Note: Programs listed with (GH) refer to University of Guelph-Humber in Toronto

■ Program is offered in both regular and co-op

■ Program has mandatory co-op

I KNOW EXACTLY WHAT I WANT TO STUDY

DEGREE PROGRAMS

Bachelor of Arts	13
Bachelor of Arts and Sciences	19
Bachelor of Applied Science	21
Bachelor of Bio-Resource Management	23
Bachelor of Computing	25
Bachelor of Commerce	27
Bachelor of Engineering	31
Bachelor of Indigenous Environmental Science and Practice	35
Bachelor of Landscape Architecture	37
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Bachelor of Science in Agriculture	41
Bachelor of Science in Environmental Sciences	43
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IT'S YOUR CHOICE.

Build your best degree. Add a minor, explore electives, top it off with a certificate. Tailor it as you go - it's your choice that matters.

Minors

Choose a minor because it intrigues you, because it complements your major, or because it's something you've always wanted to learn.

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• accounting• agriculture• anthropology• applied geomatics• art history• arts management• biochemistry• biology• biotechnology• Black Canadian studies• business• business data analytics• business economics• chemistry• classical studies• computing and information science• creative writing• culture and technology studies• ecology• economics• English | <ul style="list-style-type: none">• entrepreneurship• environmental engineering• European culture and civilization• family and child studies• food engineering• French studies• geography• German• history• human resources• international business• international development studies• Italian• linguistics• marketing• mathematical science• mathematics• media and cinema studies• microbiology• molecular biology and genetics | <ul style="list-style-type: none">• museum studies• music• neuroscience• nutritional and nutraceutical sciences• one health• philosophy• physics• plant science• political science• project management• psychology• sexualities, genders and social change• sociology• Spanish and Hispanic studies• sport and event management• statistics• studio art• sustainable business• theatre studies• zoology |
|---|---|--|

Certificates

opened.uoguelph.ca

Add a certificate to your studies and improve your potential employment opportunities.

- | | |
|--|---|
| <ul style="list-style-type: none">• Accounting• Business• Civic Engagement and Global Citizenship• Communication Process• Environmental Citizenship• Environmental Conservation• German Language and Culture | <ul style="list-style-type: none">• Hospitality Studies• Leadership• Organic Agriculture• Public Policy and Administration• Spanish Language and Culture• Food Science |
|--|---|

Academic Terms and Definitions

An **undergraduate degree** is the first degree you can complete at the university level. It is commonly called a baccalaureate or bachelor's degree, and may be further classified as honours or general.

An **honours degree** is typically completed in four years of full-time study and often focuses on a particular discipline, e.g., Honours Bachelor of Science (in Biochemistry); Honours Bachelor of Arts (in Classical Studies).

A **general degree** is typically completed in three years of full-time study and often involves a more generalized or broadly defined study area. To view a list of programs that are offered in general versus honours format, please visit the Undergraduate Calendar at admission.uoguelph.ca/degrees.

A **professional degree** meets the accreditation standards of a particular professional association or college. At U of G, we offer professional degrees in Veterinary Medicine (DVM), Engineering (B.Eng.), Applied Human Nutrition (B.A.Sc.) and Landscape Architecture (BLA). Several professional degrees, like the DVM, require the completion of some university study before application.

An **associate diploma** is a two-year program offered on our main campus and at our Ridgetown campus. It involves focused, hands-on training in a specific field, e.g., Associate Diploma in Environmental Management; Associate Diploma in Turfgrass Management.

A **graduate degree** can be completed after an undergraduate degree. It involves additional study in a particular area of interest and may include research or the completion of a thesis.

A **major** is the main area of study within an honours degree. It involves intensive focus on a specific discipline, e.g. Environmental Engineering; Bio-Medical Science Marketing Management.

A **minor** is an optional secondary area of study that can be related to or different from your major and provides an introductory level of education about a single discipline. A minor is selected after you begin your university studies (see list on previous page).

A **credit** is the unit of measurement for university courses. Usually, a course that lasts one semester is equivalent to one half-credit (0.5).

A **semester** is an academic study period of 12 weeks. U of G offers three semesters of study: fall (September to December), winter (January to April) and summer (May to August).



Experiential Learning Hub

uoguelph.ca/ELhub

Learning outside the classroom.

The Experiential Learning Hub will connect you with co-op programs, further education planning, on and off-campus jobs, volunteer and co-curricular opportunities, job fairs and networking events.

Experiential Learning

uoguelph.ca/ELhub

Graduate with a degree and a resumé loaded with the kind of experience employers want to see!

Experiential Learning is learning by doing. It's co-op, career practice courses, entrepreneurship programs, volunteer programs, engaging in the community, on- and off-campus work, field courses, and certificate programs – to name a few!

Career Development

uoguelph.ca/ELhub

The Experiential Learning Hub supports all students and alumni as they plan for their career or further education. We'll help you develop a personal career and/or education plan and teach you how to market yourself and your degree. We'll help you with job search skills, where to look for summer, part-time and post-graduation opportunities.

Co-op

uoguelph.ca/coop

Don't wait to start working in your field! Join the more than 4,000 students in co-op programs and start building those skills!

Why Apply to U of G Co-op?

- You'll take a first-year course that will prepare you for your job search and work terms.
- Your co-op coordinator will help you along the way.
- You'll complete 3-5 work terms.
- All co-op positions are full-time and PAID!
- Work in Ontario, across Canada, or internationally!

Your co-op schedule depends on your program. See the chart to the right for three common study/work sequences.

Sample co-op workterm/academic study schedule:

Year	Term	Example 1	Example 2	Example 3
1	Fall	Study	Study	Study
	Winter	Study	Work	Study
	Spring	OFF	Study	Work
2	Fall	Study	Work	Study
	Winter	Work	Study	Work
	Spring	Study	Work	Study
3	Fall	Work	Study	Work
	Winter	Study	Work	Study
	Spring	Work	Study	Work
4	Fall	Study	Work	Study
	Winter	Work	Study	Work
	Spring	Work	Work	Study
5	Fall	Study	Study	Work
	Winter	Study	Study	Study

"As a co-op student, I've been encouraged to push myself out of my comfort zone, to take on new challenges and new opportunities to improve my skillset through my work terms. The hands-on experience in my program and through co-op gives me experience in various areas, expands my personal and professional network, and helps me develop healthy working habits."

Dua Sohail
Bachelor of Commerce, accounting, co-op, minor in human resources
High school: Milton District High School, Milton, Ontario
Campus Involvement: Accounting Students Association, Ambassador; Management Economics and Finance Students Association, Director of Finance; CPA Ontario, U of G Board Ambassador

4,400+ active employers in more than 30 countries.

\$25-MILLION+ total combined earnings for all co-op students in 2019/2020.



Studying Abroad

uoguelph.ca/cip

**When the entire planet
becomes your classroom.**

Why travel between semesters when you can travel as part of one?

Join the more than 400 students who travel to another country and earn credits toward their degree. Go for a few weeks, a semester or an academic year.

“As excited as I was, I was terrified to go. I had never been away from family and friends for any length of time, let alone in another country that spoke another language! Yes, I learned about Italian culture, language and food. Yes, I made friends from Canada and beyond. But what I learned about myself was huge. Travelling overseas was a defining point in my life. I learned to adapt, find independence, and trust myself.”

Mya Leacock
Bachelor of Arts, sociology
High School: John F. Ross Collegiate Vocational Institute, Guelph, Ontario
Traveled to Sorrento, Italy on a five-week summer field course,
studying Italian language, and food and culture

**MORE THAN 100 STUDY
ABROAD OPPORTUNITIES IN
34 COUNTRIES**

**SHORT-TERM SUMMER FIELD
SCHOOL PROGRAMS**

**EXCHANGE PROGRAMS WITH
110 PARTNER INSTITUTIONS
WORLDWIDE**

**SUMMER RESEARCH
PROGRAMS**

**LEARN A NEW LANGUAGE
OVER THE SUMMER**



Bachelor of Arts

uoguelph.ca/arts | uoguelph.ca/csahs

Think critically.
Communicate effectively.
Understand complex problems.

Guelph BA grads have one of the highest employment rates among Ontario universities!

“I love the many opportunities to get involved here - from extra-curricular activities like clubs and intramural sports to more program-specific initiatives and research projects. I am very proud to have been nominated by one of my professors to be part of the Kinross Chair committee. It is truly an honour to be the youngest Black female on the committee. University should be about pushing through boundaries and trying new things, and I'm proud to say that I'm doing just that!”

Ijeoma Nwafor
Bachelor of Arts, environmental governance, minor in geography,
and certificate in environmental conservation
High School: Holy Trinity Catholic High School, Ottawa, Ontario
Campus Involvement: Events and Activities Coordinator for
Environmental Governance Society; Kinross Chair Committee; Fieldhouse/Fields Staff

Majors

ANTHROPOLOGY ■

admission.uoguelph.ca/Ba/Anth

Explore human cultures and societies and the lives of non-human primates. Learn how biology and culture shape our capacity to adapt. Develop understandings of global environmental, Indigenous, health and well-being, and social movement issues. Graduate with a deeper understanding of global cultures and what it means to be human.

Sample Careers: cultural resource management, conservationist, foreign service, community development worker

ART HISTORY

admission.uoguelph.ca/Ba/Arth

Immerse yourself in one of Canada's premier art history programs with a print collection that includes work by artists like Rembrandt, Goya, and Picasso. You'll learn the historical impacts of art and architecture by traveling to galleries and museums locally or abroad and take courses in partnership with the Art Gallery of Guelph as you become part of our thriving arts community.

Sample Careers: educator, cultural journalist, art dealer, gallery/museum professional, heritage conservation

CLASSICAL STUDIES

admission.uoguelph.ca/Ba/Clas

Understand how ancient Greece and Rome continue to impact our modern society through mythology, gender, sexuality, archaeology, politics, drama, sport, fine art, and literature. You'll learn Greek or Latin, begin to ask questions about human nature and identity, or participate in courses that take you to ancient civilizations in Italy, Greece, Spain, or Turkey.

Sample Careers: lawyer, entrepreneur, educator, government official, healthcare worker, archaeologist, foreign affairs officer, museum curator

CREATIVE WRITING

admission.uoguelph.ca/Ba/CW

Explore the ways your writing can change the world, driving social justice and environmental awareness through storytelling. You'll take courses in fantasy or science fiction, non-fiction, poetry, screenwriting and learn to write from an inclusion-focused perspective. Over time, you'll develop a portfolio of your own creative work and join a vibrant community of writers and readers.

Sample Careers: writer, journalist, editor, marketer, publisher, game designer, and educator

CRIMINAL JUSTICE AND PUBLIC POLICY ■

admission.uoguelph.ca/Ba/Cjpp

Investigate the causes and contexts of crime. Learn about real-world public policy and its effect on the Canadian criminal justice system. You'll graduate with an understanding of political and social issues and a foundation for a career or further studies in law, policy and justice.

Sample Careers: lawyer and legal professional, policy analyst, police officer, and social services

CULTURE AND TECHNOLOGY STUDIES ■

admission.uoguelph.ca/BA/Cts

Learn about the important relationship between technology and the shared values, attitudes, and social norms of cultural communities around the globe. Through digital tools like storytelling, visualization, gaming, and publishing, you'll think about ethical problems we face today, develop innovative forms of digital expression, and find creative outlets to make a better world.

Sample Careers: marketer, game designer, social service worker, digital publisher, educator, web designer, data analyst

■ Available in co-op



ECONOMICS ■

admission.uoguelph.ca/Ba/Econ

Position yourself as an expert in interesting and puzzling issues of our time, such as fluctuations in interest rates and oil prices, or the implications of continental free trade. Integrate pure and applied economic theories with modes of thought, techniques and critical analysis drawn from the arts. Also see B.Comm. Management Economics and Finance.

Sample Careers: economist, stock broker, financial consultant, and marketing analyst

ENGLISH

admission.uoguelph.ca/Ba/Engl

Learn how to write creatively across genres and media in classes taught by some of Canada’s most acclaimed writers. You’ll study historical literature as well as novels, drama, and poetry that reflect the diversity of cultures and identity in modern life and you’ll explore how the written word helps us to understand each other and the world around us.

Sample Careers: content creator, writer, marketing copywriter, educator, publisher, or editor

ENVIRONMENTAL GOVERNANCE ■

admission.uoguelph.ca/Ba/Eg

Understand the geographical, political and economic factors that shape environmental issues. Learn how to identify and manage these issues across sectors. Address environmental challenges through creative partnerships between governments, communities and businesses. Train to be an environmental professional at the leading edge of sustainability. Also see B.Sc. (Env.) Environmental Economics and Policy.

Sample Careers: policy advisor, environmental lawyer, project manager, and researcher

EUROPEAN STUDIES

admission.uoguelph.ca/Ba/Eurs

You’ll be fascinated by the rich histories, diverse cultures, languages, politics, customs, laws, art, and business practices of countries around the world. Throughout your degree, you’ll become fluent in French, German, Italian or Spanish and you can travel abroad to Madrid, Lyon, Konstanz, or Venice, to see it all for yourself. We’ll help you increase your intercultural skills, global awareness, business knowledge, and communication, so you can make a real difference in an international career.

Sample Careers: political activist, United Nations representative, foreign affairs, embassy officer

FOOD, AGRICULTURAL AND RESOURCE ECONOMICS ■

admission.uoguelph.ca/Ba/Fare

Become an expert on a current major global issue — the natural production of food — and upon graduation, enter a workforce where there are more jobs than qualified people to fill them. Explore all areas of agriculture, resources, and applied economics. Study courses in food, hunger and poverty, economics of the agri-food system, and international trade. Also see B.Comm. Food and Agricultural Business.

Sample Careers: market development economist, financial advisor/planner, farm management specialist

FRENCH STUDIES/ÉTUDES FRANÇAISES

admission.uoguelph.ca/Ba/Fren

French Studies offers you the opportunity to immerse yourself in French culture, language, music, literature, cinema, art, and politics, both here in Canada and around the world. You’ll do internships in local schools, contribute to international research, or live in France or Quebec for a semester. Your future bilingual communication skills will make you irreplaceable in your career.

Sample Careers: communications officer, cultural content creator, linguistic specialist, government translator, French teacher

GEOGRAPHY ■

admission.uoguelph.ca/Ba/Geog

Explore the evolution of human-environment interactions from the large to the small. Build your knowledge and skill set needed to address topics ranging from community sustainability to global environmental change. Tailor your education through course selection with this flexible major. Select a complementary minor or add a certificate to your studies. Also see B.Sc. Environmental Geomatics.

Sample Careers: land use planner, NGO advisor/analyst, and public sector conservation agency

HISTORY ■

admission.uoguelph.ca/Ba/Hist

To make change that will improve the world today, you need to look back through history to understand what has already been done. Be transported through time as you explore every region of the world through lenses such as food and health, politics and revolution, gender and sexuality, environmental change, and crime and justice. You can take hands-on historical research courses with community organizations or dive into the archives to see history come alive.

Sample Careers: public policy analyst, lawyer, journalist, business manager, copywriter, archivist/historian

INTERNATIONAL DEVELOPMENT STUDIES ■

admission.uoguelph.ca/Ba/Ids

Tackle the big issues like poverty, social justice, food insecurity, gender, inequality and climate change. Explore the nature and impacts of economic and social development in Canada and around the world and gain experience engaging with development organizations. You can choose from five areas of emphasis: Agriculture and Food Security; Development in the Canadian Context; Development in Fragile Contexts; Environment and Sustainable Development; and Gender and Inclusive Development.

Sample Careers: public policy analyst, NGO advisor, human rights advocate, social policy researcher

JUSTICE AND LEGAL STUDIES ■

admission.uoguelph.ca/BA/Jls

Examine law, justice and judicial processes in Canada and in a global context. Evaluate how justice and legal institutions both shape and are shaped by government and society. Choose from five areas of emphasis: Canadian Politics and Governance; Global Relations and Governance; Gender and Sexuality; Arts and Humanities; and Business and Management.

Sample Careers: legal professional, policy analyst, NGO advisor/analyst, corporate government relations

MATHEMATICAL ECONOMICS ■

admission.uoguelph.ca/Ba/Maec

Mathematics and statistics play a huge role in explaining the world around us. This program gives you the opportunity to apply math and stats to real world problems and uncover relationships to other fields. This unique degree will provide you with the tools and techniques to explore a wide variety of careers. Enjoy the freedom to follow your interests while becoming a leader in innovation and ground-breaking discovery! Also see BA Mathematical Science.

Sample Careers: consumer behaviour analyst, economist, forensic economist, statistician

MATHEMATICAL SCIENCE

admission.uoguelph.ca/Ba/Msci

Mathematics and statistics play a huge role in explaining the world around us. You’ll have the opportunity to apply math and stats to real world problems and uncover relationships to other fields. This unique program will provide you the tools and techniques to explore a wide variety of careers. Enjoy the freedom to follow your interests while becoming a leader in innovation and ground-breaking discovery! Also see B.Sc. Mathematical Science.

Sample Careers: market researcher, financial analyst, fraud analyst, public policy analyst, and risk manager

MUSIC

admission.uoguelph.ca/Ba/Musc

As a music student, you’ll be surrounded by musicians, just like yourself, who bring their own unique talents in classical or contemporary, including voice, turntables, drums, jazz and more. You’ll receive one-to-one music instruction and take classes in our new state-of-the-art performance facility. You’ll learn about branding, social media strategies for musicians, applying for industry grants, booking gigs, and networking within the industry. *No audition required for admission.*

Sample Careers: music marketing/promotion, music teacher, music therapist, sound/recording engineer, and studio musician/accompanist

PHILOSOPHY

admission.uoguelph.ca/Ba/Phil

You’ll pursue questions that have inspired thinkers across eras and cultures. What is it to be human? Do people have free will? What gives life meaning? Explore modern issues and ethical problems that we face today in artificial intelligence, politics, sexuality, and the environment. Learn to look at the world through a new lens, push yourself to understand different views, and make the world a better place.

Sample Careers: Lawyer, politician, human resources, ethics advisor, business manager, educator, public service, and not-for-profit sector

POLITICAL SCIENCE ■

admission.uoguelph.ca/Ba/Pol

As a poli-sci student, you’ll explore the forces of power, authority and governance that shape the world. Analyze the causes and effects of governmental actions on a local and global scale. Understand the power of politics and its ability to influence the lives of individuals, families and communities. Also see B.Comm. Government, Economics and Management.

Sample Careers: public sector or non-governmental organization employee, business-government relations, journalist

PSYCHOLOGY ■

admission.uoguelph.ca/Ba/Psyc

Explore the powerful inner workings of the human mind, how it works and how it affects behaviour. Analyze the emotions and motivations of individuals and groups. You'll gain a broad understanding of psychological theory and methodology including courses in research methodology, social psychology, cognitive psychology and behavioural neuroscience. Learn what makes us human and how the principles of psychology can be used to improve life.

Sample Careers: human resources specialist, mental health worker in treatment centre

SEXUALITIES, GENDERS AND SOCIAL CHANGE

admission.uoguelph.ca/Ba/SGSC

Explore the social, political, and cultural systems that exist today and their effect on human identity, societal norms, and self-expression. You'll dive deep into theories around feminism, LGBTQ2IA+, race, transnationalism, masculinity, and (dis)ability as you engage in outreach and advocacy to create meaningful social change.

Sample Careers: rights advocate, youth worker, political activist, policy analyst, healthcare worker, marketer, event coordinator, educators

SOCIOLOGY

admission.uoguelph.ca/Ba/Soc

Understand how society operates locally and globally. Learn how to assess, conduct, and use research on inequality, diversity, culture, work, education, families, youth, social movements, the environment, violence, health, media and more. Develop the skills needed to tackle social problems, make positive social change.

Sample Careers: researcher, policy analyst, human resources, educator, health, social and criminal justice

STUDIO ART

admission.uoguelph.ca/Ba/Sart

You'll join one of the top studio art programs in Canada and learn from talented artists in some of the best studio spaces. You'll work in painting, printmaking, drawing, sculpture, photography and time-based media to develop a wide range of skills. Throughout your degree, you'll display your own pieces in galleries on-campus and beyond. *No portfolio required for admission.*

Sample Careers: Artist, digital media producer, art therapist, educator, gallery/museum professional

THEATRE STUDIES

admission.uoguelph.ca/Ba/The

Develop your creative talents and showcase artistic expression through acting, directing, screenwriting, production, and digital performance in our new state-of-the-art performance facility. Not only will you study classical theatre, like Shakespeare, but you'll also learn how to utilize social media, video games, audio narration, and improvisation to share your story with any audience. *No audition required for admission.*

Sample Careers: Film/TV production, politics, education, game design, marketing, acting, playwright

BA GENERAL DEGREE IN CLASS OR FULLY ONLINE!

admission.uoguelph.ca/Ba/Gen

This flexible, multidisciplinary three-year degree involves a generalized study of a broad range of subjects, and allows you to tailor your studies to your interests and career plans. Choose from 15 areas of concentration, including: anthropology; English; French studies; geography; history; international development studies; mathematics; music; philosophy; political science; psychology; sociology; Spanish and Hispanic studies; statistics; theatre studies. Depending on your interests, you may need to select a mix of online, and in-class courses.

Start in the General BA program and if you're interested in pursuing an Honours degree, declare one of 26 possible majors.

The BA General Degree can be completed fully online! If you choose to pursue an area of specialization, you may need to select a mix of online, and in-class courses.

Arts and Business Double Feature

Add a minor from the Gordon S. Lang School of Business and Economics that will help launch your career. A business minor will enhance your skills in communication, problem-solving, leadership, and more!

Minors: accounting, business, business data analytics, economics, entrepreneurship, human resources, international business, marketing, project management, sport and event management and sustainable business

You can work on real-world problems through case studies and community projects.

Visit admission.uoguelph.ca for more information.
Interested in this combination of studies? Apply to your BA of choice and declare a business minor in your first year.

■ Available in co-op

Sample First-Year Courses

- Culture and Technology: Keywords
- European Cinema
- Introduction to Psychology
- Introductory Philosophy: Social & Political Issues
- Introduction to Anthropology
- Introductory Italian
- Introductory Microeconomics
- Understanding Politics
- Fundamentals of Arts Management
- Crime and Criminal Justice
- Amadeus to Zeppelin: Music and Culture I
- The Language of Media
- Understanding Development and Global Inequalities
- Food, Poverty and Hunger

Check out the Undergraduate Calendar to see all the available courses in the Bachelor of Arts. Go to admission.uoguelph.ca/degrees.

"I fell in love with philosophy after taking several electives in first year - it's a discipline that challenges and motivates me, and the small class sizes enhance the feeling of community here. I have since spoken at eight undergraduate and professional philosophy conferences, presenting my recent work to students, professors, and professionals in the industry. It's been an excellent networking opportunity and allows me to further develop my critical thinking, public speaking, presentation, and problem-solving skills."

Carson Johnston
Bachelor of Arts, philosophy, minor in marketing
High school: Robert Bateman High School, Burlington, ON
Campus Involvement: President of the Society of Undergraduate Philosophers; Journal Manager of Flora Undergraduate Philosophy Journal; U of G Residence Ambassador in 1st year



Bachelor of Arts and Sciences

uoguelph.ca/bas

Knowledge doesn't have barriers and neither should you.

Be prepared for a career in law, medicine, journalism, the environment, the theatre, user experience design and careers you haven't even thought of.

“I was drawn to U of G by the flexibility of this program and the beautiful, community-driven campus. I'm proud that I was able to serve on the executive team of my student association, and connect with my fellow students by working as a Residence Assistant (RA) in East Village. I enjoyed setting a positive example for the first-year students I lived and worked with as an RA. To be a player in enhancing the student experience of U of G students has been a great accomplishment for me.”

Malik Yagubi
Bachelor of Arts and Sciences, minors in business, mathematics and human resources
High School: Sir Winston Churchill Secondary School, St. Catharines, Ontario
Campus Involvement: President of Bachelor of Arts and Sciences Student Association (BASSA) and Residence Assistant with Student Housing Services

Study Arts and Science in Equal Measure

Specialize in one science and one arts subject and become confident in both. Your core arts and science courses teach you to connect both disciplines and succeed no matter where your career takes you!

Year 1

- ASCI — Begin your journey with all other ASCI (arts and science) students in Society and Inquiry I and II through a series of case studies examining social forces. Learn how to locate, present and evaluate evidence. Take foundational courses of subject areas you are most interested in.

Year 2

- ASCI — Explore how knowledge is transferred, translated and mobilized including how we understand social problems such as climate change, and vaccine hesitancy.
- You may select your specializations by year two.

Years 3 and 4

- Take on local challenges in our community project course. Small groups partner with community organizations, research and propose solutions.
- Complete an independent study. In the past students have:
 - explored the issues experienced by children who are homeless, and the supports offered by non-government organizations while on an exchange in Delhi, India;
 - tutored at Give Yourself Credit which provides vulnerable youth the opportunity to obtain high school credits in a community setting;
 - worked with the largest municipal tree planting program in North America, the Green Legacy Nursery, to understand the enormous social, environmental and economic contribution of trees.

Combine your two specializations with a capstone research project, preparing you for graduate school.

Sample Minor Combos and Career Choices

With...

chemistry + art history

Pursue a career in art restoration.

With...

neuroscience + psychology

Pursue a career in substance abuse and behavioural disorders.

With...

ecology + international development studies

Pursue a career in environmental policy analysis.

With...

physics + theatre studies

Pursue a career in lighting/sound technology.

Sample First-Year Courses

- Society and Inquiry I
- Indigenous Language and Culture
- Introduction to Psychology
- Biology: Discovering Biodiversity
- Introduction to Theatre Studies

Note: Your first-year courses will depend on the two minors you select. This sample is based on a student considering a science minor in the field of biology and exploring options in the arts and social sciences. Use your first year to explore options. See page 8 for a list of minors.



Bachelor of Applied Science

uoguelph.ca/family

Understand life and then you can improve it.

Learn the biological, psychological and social perspectives of human development and behaviour.

“I transferred into Adult Development after discovering how applicable the program material was to my interests in psychosocial health. From understanding the basic concepts of applied research in first and second year, my program allowed me to explore personal interests such as sexuality, identity development, psychosocial behaviours, and sport psychology. Through my studies and my experiences in athletics, I’ve become more sure of who I am and have learned how to navigate through the challenges I encounter.”

James McCole
Bachelor of Applied Science, family studies and human development (formerly adult development)
High School: Neil McNeil High School, Toronto, Ontario
Campus Involvement: varsity men’s swimming 2017-2021; student athlete mentor; EDI Athletics Advisory Council Member; exchange to Malmö, Sweden; Varsity Athletics Leadership Academy member

Majors

APPLIED HUMAN NUTRITION

admission.uoguelph.ca/Basc/Ahn

Food has a powerful influence on the lives of individuals and populations. The Applied Human Nutrition program provides a thorough understanding of all aspects of human nutrition. Lectures provide core learnings that are grounded in the biological and social sciences. Labs allow for the application of classroom instruction. New topics and emerging research are explored in small group seminars. Students may enrol in an area of emphasis in dietetics. This dietetic education program is accredited under the Partnership for Dietetic Education and Practice (PDEP) and prepares students for eligibility for registration with a provincial dietetics regulatory body.

Sample Careers: registered dietitian, fitness consulting, food policy analyst, research

CHILD STUDIES

admission.uoguelph.ca/Basc/Cstu

The Child Studies major examines the ways that children learn, develop and grow; the psychological, physiological and social aspects of development are considered, and ways of working with children in diverse and inclusive settings are explored.

You will gain both theoretical knowledge and applied skills through coursework and guaranteed practicum placements — completing over 500 hours of practical experience working with children in a variety of settings. When you graduate, you are eligible to apply for membership in the College of Early Childhood Educators.

Sample Careers: early childhood education, mental health services, elementary school teaching, social work, occupational therapy

FAMILY STUDIES AND HUMAN DEVELOPMENT

admission.uoguelph.ca/Basc/Fshd

Develop the foundations for an exciting career working with individuals and families. This interdisciplinary program provides you with an understanding of individual and family health, well-being, and relationships across the lifespan within the context of diverse social and cultural influences. Guaranteed practicum placements of up to 336 hours allow you to practice your skills, and focus your studies in one or more areas including adult development and gerontology, sexuality and relationships, and youth studies.

Sample Careers: counselling or social work, elementary/secondary teaching, working with older adults, health promotion, sexuality education

Sample First-Year Courses

Applied Human Nutrition

- Understanding Foods
- Introduction to Psychology
- Couple and Family Relationships
- Introduction to Nutrition

Child Studies

- Genetics and Society
- Couple and Family Relationships
- Infant Development
- Introduction to Psychology

Family Studies and Human Development

- Human Development
- Sociology
- Introduction to Psychology
- Couple and Family Relationships

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

* Course selection will vary by major.



Bachelor of Bio-Resource Management

uoguelph.ca/bbrm

Study our most valuable resources, then become one.

Learn the ins and outs of science, tech and business and prepare for a career that balances the natural world with the business one.

“I was drawn to this program by its combination of business and scientific understanding of the environment. I’ve made valuable connections at U of G, and can’t wait to take my knowledge into the field, where I hope to help businesses develop strategies to become more eco-conscious while continuing to be profitable.”

Alexis Wilks
Bachelor of Bio-Resource Management, environmental management
High School: Humberview Secondary School, Bolton, Ontario
Campus Involvement: President of the BBRM Student Council

Majors

ENVIRONMENTAL MANAGEMENT ■

admission.uoguelph.ca/Bbrm/Em

Combine environmental science with business. Study questions like, how do we fix a damaged ecosystem? And can businesses use AND protect the environment? Courses focus on environmental care and policy, ecology and use of natural resources. Graduate with unique skills and know how to make good decisions for the environment.

Sample Careers: environmental consultant, environmental protection officer, policy analyst

Applicants to the environmental management major who lack 4U (or grade 12) chemistry must take a replacement course in semester one.

EQUINE MANAGEMENT ■

admission.uoguelph.ca/Bbrm/Eqm

Make a career out of your love of horses. Hands-on learning will expand your understanding of this awesome animal and the unique care they require. Learn about biology, physiology, business and horse behaviour while practicing horse care and handling skills. Courses also showcase all of the unique job opportunities available. Students also take this major as an entry point to the field of veterinary medicine.

Sample Careers: breeding and foaling manager, equine facility manager, equine marketing and events coordinator

FOOD INDUSTRY MANAGEMENT ■

admission.uoguelph.ca/Bbrm/Fim

Kick-start your career by understanding the science and business of food. Courses focus on developing a unique skill set in food science, economics and business. You’ll mix theoretical and hands-on study and to balance cost, quality and deliciousness. Graduate with skills that are in high demand by food companies around the world.

Sample Careers: research and development manager, food safety manager, logistics/supply chain manager

Sample First-Year Courses

Environmental Management

- Discovering Biodiversity
- Introduction to Canadian Business Management
- Chemistry
- Introduction to Environmental Economics, Law and Policy

Equine Management

- Introduction to Equine Management
- Introductory Financial Accounting
- Principles of Animal Care and Welfare
- Equine Anatomy and Physiology

Food Industry Management

- Biological Concepts of Health
- Introduction to Molecular and Cellular Biology
- Business Mathematics
- Economics of the Agri-Food System

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

* Course selection will vary by major.

■ Available in co-op



Bachelor of Computing

uoguelph.ca/computing

Ones and zeroes and infinite possibilities.

You'll select an area of application and get the comprehensive knowledge and experience employers want!

“I’ve always had a passion for programming, and with such a high demand for developers and the opportunity to complete multiple co-op terms throughout my studies, choosing the Bachelor of Computing at U of G was an easy decision for me. Developing my teamwork skills and working collaboratively with my classmates helped me prepare for co-op placements. My co-op advisors are some of the most influential people in my university experience -- I’m so thankful for the connections, experience and skills I’ve gained through co-op.”

Kyle Monteiro
Bachelor of Computing, computer science, co-op
High School: St. Augustine Collegiate High School, Markham, Ontario
Campus Involvement: Intramural soccer and spikeball, Hackathons participant

Majors

COMPUTER SCIENCE ■

admission.uoguelph.ca/Bcomp/Csci

Computer science gives you a theoretical foundation in computer science and programming. This knowledge, combined with practical experience in computational problem-solving, will enable you to confidently design and develop software programs and computer systems.

Sample Careers: software developer, game programmer, mobile application developer, web infrastructure developer, systems architect

SOFTWARE ENGINEERING ■

admission.uoguelph.ca/Bcomp/Se

Software engineering concentrates on team-based software development, professional standards and development processes to help create cutting-edge software architectures and products. As a major, it provides a comprehensive background in design, implementation and software testing.

Sample Careers: software developer, game programmer, mobile app developer, cloud developer

Sample First-Year Courses

Computer Science

- Programming
- Discrete Structures in Computing I
- Calculus I
- Intermediate Programming

Software Engineering

- Software Design I
- Programming
- Discrete Structures in Computing I
- Software Design II
- Linear Algebra I

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

What's the difference between the two majors?

In computer science, you focus on programming, fundamental computing theory and computational problem-solving. Software engineering focuses on computing skills and professional software practices. A computer scientist makes the app work quickly and efficiently, while a software engineer leads the app development process and ensures it is user-friendly.

Areas of Application = Career Choices

Your area of application will be what you want to study, an area that interests you. Choose from more than 40 fields! You'll graduate with a unique skillset and competitive advantage.

With **computing and biology**, work in bioinformatics and support biological research that relies on the speed and accuracy of purpose-built software.

With **computing and psychology**, focus on human-computer interaction and the effects of interface design on usability.

With **computing and business**, join the world of e-commerce, create of an electronic business application or inventory management system.

With **computing and your chosen area**, do what you love and land your dream job!

■ Available in co-op

Guelph Women in Computer Science (GWICS)

This student organization fosters a supportive community for women in computing. They provide opportunities for their community such as events, technical workshops, and conferences.



Bachelor of Commerce

uoguelph.ca/lang

Use business as a force for good.

Be the future of business - become an ethical and sustainable business leader.

“My interest in understanding the inner workings of our political and economic systems led me to apply to Government, Economics and Management, which allows me to explore both of these topics in depth, while gaining useful analytical business skills in accounting, finance and operations management. The numerous opportunities to get involved on campus and within the community, have allowed me to network and build on experiences that have been as meaningful as the work I’ve done within my program.”

Sophia Steele

Bachelor of Commerce, government, economics and management
High School: Ladysmith Secondary School, Ladysmith, British Columbia
Campus Involvement: Lang Students Association member; Government, Economics and Management Association member; Cancer Awareness and Support Association; Outdoors Club member; Student Accessibility Service volunteer note-taker



AACSB ACCREDITED

We're among the top 6% of business schools around the world who have been accredited by the Association to Advance Collegiate Schools of Business (AACSB)!

Majors

ACCOUNTING ■

admission.uoguelph.ca/Bcom/Acct

Achieve a highly respected professional designation and a successful career in business and accounting. The courses in Lang's accounting program are all acknowledged requirements ahead of becoming a Chartered Professional Accountant (CPA) of Ontario. Complement your accounting focus with in a secondary area such as leadership, data analytics, business sustainability, marketing, international business, or human resources management. Upon graduation, you can pursue a 4-month graduate diploma in accounting that will advance your standing in achieving your CPA designation.

Sample Careers: public accountant, financial analyst, controller, management consultant

FOOD AND AGRICULTURAL BUSINESS ■

admission.uoguelph.ca/Bcom/Fab

Find yourself a place in Canada's second largest industry — agriculture and food. In food and agricultural business, you will explore accounting, economics, finance, marketing, production, organizational behaviour, policy planning and implementation. Become equipped with analytical, entrepreneurial and leadership skills for a variety of professional opportunities in this dynamic and innovative sector, domestically and internationally. Also see BA Food, Agricultural and Resource Economics.

Sample Careers: account executive, policy analyst and consultant, manager/consultant in agribusiness finance

■ Available in co-op

GOVERNMENT, ECONOMICS AND MANAGEMENT ■

admission.uoguelph.ca/Bcom/Gem

Combine politics, law and business and explore the unique intersection of the public sector with business and economics. Develop transferable business skills in law, human resources, marketing, accounting and finance, and pursue diverse career opportunities within the public, private and voluntary sectors. A great choice for students hoping to pursue law school.

Sample Careers: governmental policy analyst, business development specialist, legislative assistant, corporate accounts manager

HOSPITALITY AND TOURISM MANAGEMENT ■

admission.uoguelph.ca/Bcom/Htm

Create your own adventure and shape sustainable experiences in hospitality and tourism management. Choose your career path in one of three areas of emphasis: Hotel and Lodging; Restaurant and Food-service; or Tourism Management and gain the skills and leadership abilities sought after by top employers. Apply in-class learning to real-world situations. Expand your horizons by studying abroad and gain real-world experience through our unmatched co-op option. Connect and network with the program's prestigious alumni network and industry connections.

Sample Careers: hotel and restaurant investment analyst, research consultant, tourism destination specialist, hotel or resort manager, restaurant entrepreneur, event planner, travel media marketer, conference manager

MANAGEMENT ■

admission.uoguelph.ca/Bcom/Man

Gain strategic leadership and management skills that prepare you to become an organizational leader. Explore broad management topics such as project management, decision-making, team motivation, negotiation and conflict management, while exploring other business courses. You'll gain a strong foundation in business with an emphasis in leadership and management studies, and it's flexible enough for

you to add a minor, certificate and specialized electives. For example, if you know you want to work as a Certified Human Resource Leader (CHRL), choose this major and pursue a minor in Human Resources.

Sample Careers: management consultant, project manager, general manager, business analyst

MANAGEMENT ECONOMICS AND FINANCE ■

admission.uoguelph.ca/Bcom/Mef

Integrate the analysis of economics and finance with the practical tools of accounting, business management and marketing in management economics and finance. Specialize your major even further by focusing on either managerial economics or finance. With either choice, your thinking will become more disciplined, structured and critical, yet open-minded. Apply this to all types of social, management and business issues. Enjoy the intellectual, rewarding challenge and a career to match. Graduates of this major have made an impact in the banking and finance world. Also see BA, Economics.

Sample Careers: financial analyst, economist, policy analyst, accountant, investment banker

MARKETING MANAGEMENT ■

admission.uoguelph.ca/Bcom/Mkmn

Gain a better understanding of consumer behaviour and decision-making — critical skills for any marketer — with Lang's marketing management major. You will receive solid, core business skills in accounting, HR and management while exploring a wide variety of marketing-specific courses like consumer psychology, market research, marketing communications, and consumer law. Prepare for diverse marketing career paths and leadership roles, while becoming a more engaged and global citizen.

Sample Careers: marketing director, retail buying consultant, brand manager, market research, public relations

REAL ESTATE ■

admission.uoguelph.ca/Bcom/Re

Meet the high demand for employees in the real estate industry. Develop analytical, conceptual and management skills relevant to the field. Your core business curriculum will be supplemented by industry-relevant real estate studies; you could then be exempt from certain professional certifications and designations, such as the "Accredited Appraiser Canadian Institute" (AACI) designation.

Sample Careers: property or asset manager, development coordinator, commercial real estate broker, housing policy advisor, financial analyst

SPORT AND EVENT MANAGEMENT ■

admission.uoguelph.ca/Bcom/Spmt

Learn key aspects of the sport and event management industry including sponsorship, media, event hosting, and organizational leadership. You'll gain a strong foundation in business and sport business discipline. Through the Lang's International Institute for Sport Business and Leadership, you will connect with industry, and benefit from a joint partnership between the School and the Department of Athletics.

Sample Careers: athletics manager, sport operations manager, business development event and sponsorship manager, player development coordinator

UNDECLARED ■

admission.uoguelph.ca/Bcom/Und

Want a commerce degree, but not ready to commit to a specialized major? Begin with courses that foster a smooth transition to a specialization in second year. Choose your major at the end of your first year. If you are interested in the sport and event management major, admission in and beyond first year is limited, so you are encouraged to apply directly from high school. If you want co-op, we recommend you apply to the co-op stream of the major that most interests you directly from high school; space is limited.

■ Available in co-op ■ Available in first year only

The Future You Advantage

To launch your career, you need the skills, experience and expertise that top employers are demanding. Lang's Future You Advantage offers career-focused experiences in our collaborative, hands-on learning environment.

John F. Wood Centre for Business and Student Enterprise

Launch a business and become your own boss. Lang's John F. Wood Centre for Business and Student Enterprise provides all U of G students and alumni with support, mentorship and funding to help you launch your own student startup.

Sample First-Year Courses

- Introduction to Business
- Introductory Microeconomics
- Introductory Macroeconomics
- Introductory Financial Accounting
- Introductory Marketing
- Individuals and Groups in Organizations
- Business Mathematics

Options may include:

- Canadian Government and Politics
- Introduction to Psychology
- Economics of the Agri-Food System
- Principles of Management
- The Business of Sport and Event Tourism

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

Note: If you are interested in co-op, we strongly recommend you apply to co-op programs directly from high school. In-course students can be considered for co-op, but space is limited. Eligibility is subject to your University of Guelph average and availability in the program and major.

"Co-op allowed me to work on a number of different projects and gave me the opportunity to build relationships with corporate leaders at Marriott. This opportunity acted as a catalyst, providing me with an invitation to re-join the company for their post-graduate Leadership Development Program."

Sahad Kassam, Manager of Acquisition and Asset Management at Synvest Capital

Bachelor of Commerce, hospitality and tourism management grad
High School: John F. Ross C.V.I., Guelph, Ontario
Campus Involvement: Hospitality, Food and Tourism Management
Student Association President; Director of Finance for the U of G
Indian Students Association; teaching assistant



Bachelor of Engineering

uoguelph.ca/engineering

Design. Create. Solve. Repeat.

Don't compete. Collaborate. And start designing from Day 1!

Explore real-world issues, design solutions and systems and collaborate with your peers.

"I chose water resources engineering because I wanted a program that would prepare me to solve problems facing the world around me: flooding, droughts, and a lack of drinking water. I've gained skills that go beyond that -- I've helped conduct research on topics ranging from medical technology to agriculture, designed products using computer aided design (CAD), and developed hands-on skills like bending, cutting, and welding steel. My experiences have prepared me for success in co-op and I feel ready to enter the workforce after graduation."

Joseph Train
Bachelor of Engineering, water resources engineering, co-op
High School: TanenbaumCHAT, Toronto, Ontario
Campus Involvement: participant in the Great Northern Concrete Toboggan Race

Majors

BIOLOGICAL ENGINEERING ■

admission.uoguelph.ca/Beng/Bioe

Integrate an engineering and technology foundation with biological, chemical, pharmaceutical, and environmental principles. This interdisciplinary program will equip you with specialized expertise to design and analyze new and sustainable ways to produce safe and abundant food, develop innovative environmental solutions for agricultural and urban waste management, and life-enhancing and life-saving products.

Sample Careers: process and product engineer, research and development specialist, engineering consultant

BIOMEDICAL ENGINEERING ■

admission.uoguelph.ca/Beng/Biomed

Apply engineering principles, innovate technologies, and design solutions to improve human health and quality of life. Study anatomy, physiology, human kinetics, electronics, mechanics, and computer science. Examine biosystems from molecular to a full-body scale to understand the repercussions of disease or injury. Explore elective opportunities in biomechanics, medical imaging, and biomedical signal analysis.

Sample Careers: prosthetic designer, physician, medical imaging, and human factors engineer, research and development

COMPUTER ENGINEERING ■

admission.uoguelph.ca/Beng/Compeng

Processors small enough to be embedded in concussion detectors. Autonomous mine detecting robots. Open source operating systems. Big Data and Artificial Intelligence systems. If any (or all!) of these sound like something you want to design, then computer engineering is for you!

Sample Careers: computer design engineer, software engineer, network engineer, embedded systems engineer

ENGINEERING SYSTEMS AND COMPUTING ■

admission.uoguelph.ca/Beng/Esc

What do prosthetic limbs, autonomous robots, and smart buildings have in common? They're all designed by multidisciplinary teams and run by microcontrollers and embedded processors. As an ESC student, you'll bridge the gap between disciplines while learning to design the computational brains that control these complex systems.

Sample Careers: controls engineer, systems engineer, software developer, robotics and automation engineer, mechatronics engineer

ENVIRONMENTAL ENGINEERING ■

admission.uoguelph.ca/Beng/Enve

Fuse together engineering and science principles. Design treatment processes and systems to identify, prevent and clean up pollution of land, water and air. Gain globally-recognized skills and background to work in government both locally and internationally, and in consulting, industry and research. Explore elective opportunities that focus on areas such as water and wastewater treatment design, air emission control, watershed systems design and remote sensing and geographic information system (GIS) technology.

Sample Careers: air quality engineer, environmental consultant, water and wastewater engineer, remediation specialist, environmental engineer

■ Available in co-op

Women in Science and Engineering (WiSE)

WiSE promotes community outreach, professional development, and hands-on skills workshops for issues relating to women in science, technology, engineering and math (STEM) fields.

MECHANICAL ENGINEERING ■

admission.uoguelph.ca/Beng/Me

Become pivotal to the design, manufacturing and maintenance of systems in mechanical engineering. Explore elective opportunities that broaden your general mechanical engineering knowledge base. Focus on areas such as sustainable energy, mechatronics, manufacturing system design, and biomechanics. Pursue limitless career options in the private and public sectors.

Sample Careers: manufacturing engineer, automotive engineer, robotics, automation engineer, process engineer, aerospace project coordinator

WATER RESOURCES ENGINEERING ■

admission.uoguelph.ca/Beng/Wre

The world needs engineers to design solutions for the management of water and land resources. As a WRE student, you'll evaluate watershed management options and design flood and erosion control systems, water supply and treatment systems and water distribution networks, including water security systems. Choose electives in areas such as water conservation, river restoration, storm water management, meteorology and geology. Develop policies for the preservation of water systems, and use geographic information systems for state-of-the-art data management.

Sample Careers: hydrologist, municipal engineer, watershed monitoring specialist, facilities engineering analyst

UNDECLARED ■

admission.uoguelph.ca/Beng/Und

Want an engineering degree but still undecided on a discipline? Choose the undeclared option: your first semester will be the same as all other engineering majors, then select your major by the start of semester 3.

Note: If you are interested in co-op, we strongly recommend you apply to co-op programs directly from high school. In-course students can be considered for co-op, but space is limited. Eligibility is subject to your University of Guelph average and availability in the program and major.

■ Available in co-op ■ Available in first year only

Sample First-Year Courses

Semester 1

- General Chemistry 1
- Engineering and Design 1
- Calculus I
- Physics with Applications
- One of Engineering Analysis or Programming

Semester 2

- Engineering Mechanics 1
- Calculus II
- Introductory Electricity and Magnetism
- Two others as described in the program guide

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

*courses will vary depending on your major



Bachelor of Indigenous Environmental Science and Practice[■]

uoguelph.ca/biesp

Become a leader in land use, conservation and sustainability.

Braid together Indigenous and Western science and discover how history, colonization, law and technology impact our environment.

This degree is like no other program in Canada and has been created with Indigenous and non-Indigenous learners in mind.

You will develop a foundational knowledge of theoretical and applied aspects of environmental science, technology, management, land-use and policy development practices that are grounded in Indigenous ways of knowing and being.

Program Highlights

Expand your experience and learn on a co-op workterm, participate in field trips to Indigenous communities, discussion circles and ceremonies and interactive labs. Learn from Indigenous Elders and Knowledge Holders.

You are an agent of change

Create a better future for all beings. Our existence is intertwined with the rocks, the plants, the finned, the furred, the feathered, the four-legged, two-legged, many-legged and no-legged, those who creep and walk and swim and fly — all our relations. Support a world that is more respectful and responsive. As a graduate of this program, you will be able to braid together Indigenous and Western science and knowledge and see the environment through a uniquely valuable lens that is in demand by communities, governments, organizations and businesses.

Sample Careers: environmental scientist, environmental consultant, environmental policy maker, environmental educator, environmental lawyer or advocate.

Sample First Year-Courses

- Introduction to Indigenous Environmental Science and Practice
- Calculus I
- General Chemistry I
- Natural History of the Great Lakes Region
- Indigenous Knowledge for Environmental Science and Practice
- Indigenous Language and Culture

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

■ Available in co-op



Bachelor of Landscape Architecture

uoguelph.ca/bla

A one-of-a-kind degree, by design.

Design communities, urban centres, and outdoor recreational areas anywhere in the world!

“I love this program because it combines all the things I’m most passionate about: the built environment that we live in and how a well-designed environment impacts the people who live there. I’m learning about landscape design, from the initial design concepts, to construction, to the selection of plants and trees -- and I get to use my artistic skills! The small class sizes allow us to get to know everybody and creates a very supportive environment.”

Tatijana Vukovic
Bachelor of Landscape Architecture
High School: St. Marcellinus Secondary School, Mississauga, Ontario
Campus Involvement: OALA (Ontario Association of Landscape Architects)
Student Representative; SEDRD (School of Environmental Design and Rural Development) Guest Lecture Series Student Assistant ; Orientation Coordinator on the Landscape Architecture Student Society (L.A.S.S.)

THIS IS THE ONLY ACCREDITED PROGRAM OF ITS KIND IN CANADA.

*Accredited by the Landscape Architecture Accreditation Council (LAAC) of the Canadian Society of Landscape Architects, meeting the educational requirements for entry into the professional associations of landscape architects across Canada, North America, and abroad.

Learn from talented professionals and have the freedom to explore ideas. Your projects are self directed and build your verbal and design skills. Studio projects and design workshops help you understand the professional methods, and students find work placements through our large (and global) alumni network.

Sample Careers: landscape architect, urban designer, environmental design and landscape rehabilitation, resorts and destination designer

Sample First-Year Courses

- Design and Communication Studio
- History of Cultural Form
- Planting Design
- Materials and Techniques
- Philosophy of the Environment

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

Background Information Form (BIF)

You are required to submit a Background Information Form (BIF) as part of your application to showcase your understanding of and passion for the profession. The BIF deadline is March 1, 2023 and can be found at admission.uoguelph.ca/bla_bif on December 1, 2022.



Bachelor of One Health[■]

onehealth.uoguelph.ca

Because human, animal and ecosystem health are all one health.

Learn how the health of one impacts the health of all by exploring both the scientific and social factors that influence complex health challenges.

Tackle some of our most complex health challenges such as infectious diseases, food insecurity, climate change, and biodiversity loss using an interdisciplinary approach. Made up of three pillars — human health, animal health and ecosystem health -- you'll discover lasting solutions to health challenges.

Program Highlights

Offered in co-op, Bachelor of One Health will give you the skills and knowledge to succeed in research or as a practitioner in the fields of human or animal health, public health, agri-food industries, health technology, or resource and ecosystem management across private industry, governmental and non-governmental organizations. You'll also be prepared to pursue professional programs such as human or veterinary medicine and law or enter in to graduate work.

Choose an area of emphasis and your courses will reflect that.

- Disease, Complexity and Health
- Environment, Food and Health
- Policy, Economics and Health
- Culture, Society and Health

Choose co-op or regular, and gain the skills and knowledge to succeed in the fields of human or animal health, public health, agri-food industries, health technology or resource and ecosystem management.

Sample First-Year Courses

- Biological Anthropology
- Biological Concepts of Health
- Introduction to Molecular and Cellular Biology
- Human Impact on the Environment
- Discovering Biodiversity
- Introduction to One Health

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

■ Available in co-op



Bachelor of Science in Agriculture

uoguelph.ca/bsc-agr

Agriculture is about food, science, business, tech and sustainability.

By 2050, there will be 9.8 billion people in the world to feed. With this degree you will be able to work anywhere in the world.

“I like growing things, and U of G’s reputation as the best agricultural sciences school in Canada made it my first choice! There is really a great community with so much going on for students to get involved with. Our professors are very approachable and many also offer summer field work positions to help students gain hands-on experience.”

Graeme Li
Bachelor of Science in Agriculture, horticulture (major formerly known as crop, horticulture and turfgrass sciences)
High School: Giebe Collegiate Institute, Ottawa, Ontario
Campus Involvement: Horticulture Club member; OAC Soil and Crop Club member; climbing wall monitor

Majors

ANIMAL SCIENCE ■

admission.uoguelph.ca/Bscag/Ansc

If you want to make a positive impact on how we raise animals, agriculture is the place to be. Explore how you can improve welfare and performance through nutrition, breeding and care. You will select courses that meet your specific interests (nutrition, welfare and genetics) to prepare yourself for the career you want in animal production and health. Students also take this major as an entry point to the field of veterinary medicine. Also see B.Sc. Animal Biology.

Sample Careers: livestock nutritionist, genetics consultant, and sales representative

CROP SCIENCE ■

admission.uoguelph.ca/cropsci

There are so many issues you can tackle as a student in crop science! You can focus on the production of field crops for food, fuel, and biomaterials. You can learn about the latest scientific advancements that could solve problems in agronomy and cropping, study how to feed the world’s growing population, and protect the environment.

Sample Careers: agronomic advisor, crop production specialist, pest management specialist, plant breeder

HONOURS AGRICULTURE ■

admission.uoguelph.ca/Bscag/Agrr

Interested in agriculture, but can’t pick your favorite part? This major allows you to explore all of your interests. Choose the courses and research projects that link to your career goals. Your studies will combine core “ag” science with courses in business, animals, plants and the environment. Plus, graduates of this choose-your-own-adventure major have flexibility when entering the job market.

Sample Careers: agriculture consultant, educator, government regulator/advisor and agriculture journalist

HORTICULTURE ■

admission.uoguelph.ca/hort

Plants are used for food, flowers, and medicine. Discover the systems behind plants and how to use science to improve the horticultural industry. Gain experience in greenhouses and controlled environment systems, explore pest management, plant physiology and plant breeding.

Sample Careers: agronomist, horticulturalist, greenhouse facility manager

Sample First-Year Courses

- Introduction to the Agri-Food Systems
- Biology of Plants and Animals in Managed Ecosystems
- General Chemistry I and II
- Economics of the Agri-Food System

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

The common first year of the degree gives you the flexibility to select one of four majors.

■ Available in co-op

WORK IN ONE OF CANADA'S LARGEST INDUSTRIES!



Bachelor of Science in Environmental Sciences

uoguelph.ca/bsc-env

The world needs environmental scientists like never before.

Use your passion and brain power to turn things around.

“It’s exciting to be in a place where others are passionate about the same causes. Applying my learning in real-world settings through co-op has been so beneficial. Learning how to conduct myself and interact with colleagues in professional environments wasn’t something I thought about going into this program, but it helped me extend my 4-month co-op with the Canadian Food Inspection Agency into an 8-month workterm. I consider it one of the best decisions I’ve made during my time at university.”

Avery Whyte
Bachelor of Science in Environmental Sciences, environmental sciences, co-op
High School: Central Huron Secondary School, Seaforth, Ontario
Campus Involvement: Environmental Science representative; Logistics Manager, Environmental Science Symposium Committee; student representative, OAC Dean's Office Indigenisation, Equity, Diversity and Inclusion Working Group; peer mentor, School of Environmental Sciences Peer Mentorship Program

Majors

ECOLOGY ■

admission.uoguelph.ca/Bscenv/Ecol

Explore how plants, animals and microbes interact with their surroundings. Learn how humans can help or hinder these connections. Lectures, labs and field trips prepare you to make ecologically sound decisions in your career.

Sample Careers: habitat conservation and restoration consultant, environmental protection agent, scientific writer/editor, and conservation ecologist

ENVIRONMENT AND RESOURCE MANAGEMENT ■

admission.uoguelph.ca/Bscenv/Erm

Balance biophysical sciences with social sciences to develop and implement effective solutions to today’s environmental challenges. Gain the skills needed for sound management and governance.

Sample Careers: community land use planner, planning design coordinator, and geographic information systems analyst

ENVIRONMENTAL ECONOMICS AND POLICY ■

admission.uoguelph.ca/Bscenv/Eep

Combine science, economics, law, and politics to offer creative solutions. Set environmental policy and sway behaviour. Study the factors that encourage people to take action and change consumer behaviour.

Sample Careers: environmental policy analyst, resource management specialist, environmental law, and business sustainability manager

ENVIRONMENTAL SCIENCES ■

admission.uoguelph.ca/Bscenv/Envsci

Study the Earth’s chemical, physical and biological processes. Solve our most complex environmental problems related to water, air and land use. Experiences in labs and on field trips will prepare you for many career options.

Sample Careers: environmental scientist, air and water quality monitoring specialist, and environmental coordinator/analyst

Sample First Year Courses

- Discovering Biodiversity
- General Chemistry I and II
- Introduction to Environmental Sciences
- Calculus I
- Introduction to Environmental Economics, Law & Policy
- Introduction to the Biophysical Environment

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

■ Available in co-op



Bachelor of Science

bsc.uoguelph.ca

Contribute to discoveries that will aid humankind, our planet... and beyond.

Studying science here won't just expand your mind, it'll expand your options.

“I was interested in how GIS and geomatics can be applied towards environmental applications. Through the in-class and experiential learning opportunities, I've gained experience with experiment design, communication and presentation skills, technical skills pertaining to GIS and computer programing, and most recently in project management and leadership, which I've applied in my co-op placements. Just as important as the program itself are the faculty -- the level of engagement from my professors has been foundational in my academic success and they're always looking for new ways to improve our experience.”

Jubril Bello
Bachelor of Science, environmental geomatics, co-op
High School: Southern Ontario Collegiate, Hamilton, Ontario
Campus Involvement: Water Environment Association of Ontario
Student Chapter member

Majors

ANIMAL BIOLOGY

admission.uoguelph.ca/Bsc/Abio

Explore genetics, physiology, behaviour, welfare, and nutrition. Obtain a broad overview of animal production systems and animal bioscience, and learn the science of breeding, feeding, care and management of agricultural animals. Expand your knowledge with electives, senior courses and undergraduate research projects. Build a career in veterinary medicine, the nutrition industry, animal care and welfare, or education and research. Also see B.Sc. (Agr.) Animal Science.

Sample Careers: animal bioscience specialist, animal behaviourist/animal care, veterinarian, and product quality controller

BIOCHEMISTRY ■

admission.uoguelph.ca/Bsc/Bioc

Combine practical laboratory training in biochemistry, molecular biology and microbiology with courses in areas such as immunology, enzymology or physiology. Gain real-world experience from co-op work terms, and complete an undergraduate research project. Enjoy challenging careers in medicine, pharmacy, academic research, governmental regulatory work, or in related business fields.

Sample Careers: science interpreter, terrestrial monitoring specialist, habitat technician, construction environmental scientist

BIODIVERSITY

admission.uoguelph.ca/Bsc/biod

Discover the exciting field of biodiversity science with U of G's Biodiversity Institute of Ontario (BIO). BIO is leading global efforts to understand the unity and diversity of all life on Earth. Be a part of it. Explore natural selection, evolution, genetic variation, life cycles, ecosystem structure, population dynamics and more. Complete field experiences and consider an international exchange or internship to expand your understanding of biodiversity.

Sample Careers: agriculture and pharmaceutical regulatory affairs specialist, biotechnology clinical program manager, healthcare sales account manager, research data scientist

BIOLOGICAL AND MEDICAL PHYSICS ■

admission.uoguelph.ca/Bsc/Biomp

Many areas of biological and medical physics have important implications for human health, like the probing of molecular structure in muscle by X-ray diffraction. Study courses such as Biophysics of Excitable Cells, Radioactivity and Radiation Interactions, Molecular Biophysics, and Clinical Applications of Physics in Medicine, building a solid knowledge base for careers in fields such as clinical research and health services.

Sample Careers: magnetic resonance imaging specialist, CAT scan technician, and forensic scientist

BIOLOGICAL AND PHARMACEUTICAL CHEMISTRY ■

admission.uoguelph.ca/Bsc/Bpc

Explore biological processes through the deeper insight and molecular understanding that biological and pharmaceutical chemistry provides. In this area of growth, discover the opportunities to combine the powers of chemistry with exciting developments in biology. Through hands-on laboratory training, develop a strong foundation in chemistry, especially synthetic and analytical chemistry, combined with biochemistry and microbiology.

Sample Careers: cancer researcher, pharmacist, forensic pharmacist, and biopharmaceutical analyst

BIOLOGICAL SCIENCE

admission.uoguelph.ca/Bsc/Bios

Design a major to fit your interests and career goals with biological science. Foundation courses cover molecular biology and genetics, biochemistry, evolution, physiology, ecology and statistics. Build on this with science electives chosen from a broad range of subject areas. Add a minor in the arts, social sciences, sciences, or business. Pursue an international exchange. Gain the entrance requirements for professional programs including medical and veterinary schools.

Sample Careers: director of healthcare research, business biotechnology development manager, terrestrial ecologist, sustainability consultant, physician/veterinarian, quality assurance specialist

BIO-MEDICAL SCIENCE

admission.uoguelph.ca/Bsc/Biom

Play a role in building a healthier society with bio-medical science. Focus on the prevention of disease and the maintenance of good health through the study of nutrition, physiology, anatomy, genetics and epidemiology. Plan, conduct and analyze your own research project and apply the knowledge and skills gained through this major to professional studies, graduate programs or a career in the health sciences.

Sample Careers: clinical research assistant, medical science liaison officer, policy analyst, veterinarian/physician, healthcare professional, health business systems analyst

BIOMEDICAL TOXICOLOGY ■

admission.uoguelph.ca/Bsc/biotox

Explore the effects and mechanisms of action of toxic substances in biomedical toxicology. Study substances of interest including pharmaceuticals, metals, industrial chemicals, and natural toxins. Examine toxicological testing required to ensure the safety of new drugs, consumer products, pesticides and industrial chemicals before they go to market. Develop a strong foundation in science disciplines pertinent to toxicology and forge a related career.

Sample Careers: regulatory affairs and toxicology specialist, clinical research scientist, respiratory research manager, clinical trial manager, healthcare assessment officer

CHEMICAL PHYSICS ■

admission.uoguelph.ca/Bsc/Chpy

Blend areas of physics and chemistry to explore molecular systems, foster a broad skill set with courses such as Thermodynamics and Kinetics, and Atomic and Molecular Physics. Employ advanced techniques, including thin film preparation and Fourier transform infrared spectroscopy. Access some of the world's most respected scientists and a variety of possible careers in industry, government or academia.

Sample Careers: physician, medical safety officer, forensic scientist, and clinical biochemist

CHEMISTRY ■

admission.uoguelph.ca/Bsc/Chem

Face the challenges of our world today — from the development of space age materials to the synthesis of new pharmaceutical products — with chemistry. Gain practical laboratory training; complete research with award-winning faculty and participate in the co-op option for work experience. Study physical, theoretical, analytical, organic and inorganic chemistry to harness analytical and practical skills for graduate or professional programs, and your career.

Sample Careers: analytical chemist, consumer product chemist, environmental analyst, and physician

ENVIRONMENTAL BIOLOGY

admission.uoguelph.ca/Bsc/Envb

Examine the impacts of climate change and learn about insect diversity, water-borne diseases, and plant pathology. Develop an understanding of the impact of interactions between humans and the environment at the molecular, population and community levels. Initiate solutions for a variety of environmental problems. Go on to further academic studies or careers in the public and private sectors. Also see B.Sc. (Env.) Environmental Sciences.

Sample Careers: forest microbiologist, plant pathologist, and entomologist

ENVIRONMENTAL GEOMATICS ■

admission.uoguelph.ca/Bsc/Eg

Combine physical geography and field research with computer-aided spatial analysis (e.g., geographic information systems, aerial and satellite image analysis) to study the natural and human-induced forces that are shaping our planet. You will be equipped to assess and address the impacts of natural hazards on society such as flood-plain mapping and emergency management, human impacts on environment (e.g., water pollution and watershed management); and how natural systems are changing due to climate change (e.g., mapping of invasive species). Also see B.Sc. (Env.) Environment and Resource Management.

Sample Careers: professional geoscientist, geomatics specialist, and geomorphologist

FOOD SCIENCE ■

admission.uoguelph.ca/Bsc/Food

Explore the processing and product development of safe and healthy foods, and fill the gap between the production of farm goods and the year-round delivery of food products to the global consumer. Apply your skills learned in chemistry, food processing, microbiology, quality assurance and sensory evaluation to the development of a food product from idea generation through to product marketing. For registered dietitian, please see B.A.Sc. Applied Human Nutrition.

Sample Careers: food safety research analyst, food product developer, technical sales and food business entrepreneur

HUMAN KINETICS

admission.uoguelph.ca/Bsc/Hk

Explore the biological aspects of human movement, function, and performance in health, aging, and chronic disease. Study nutrition, physiology, biomechanics, anatomy, genetics, and genomics. Experience comprehensive hands-on laboratories in exercise testing and assessment of human movement, and an in-depth dissection-based anatomical study of the human body. Gain the requirements to become a certified kinesiologist. Pursue graduate work or a variety of related professional programs. If you're interested in kinesiology, please see the University of Guelph-Humber B.A.Sc. Kinesiology program.

Sample Careers: pharmaceutical regulatory affairs associate, disabilities case manager, health business systems analyst, physiotherapist, specialized rehabilitation practitioner

MARINE AND FRESHWATER BIOLOGY ■

admission.uoguelph.ca/Bsc/Mfb

Explore the ecology of freshwater and marine environments, and work with aquatic organisms in the state-of-the-art Hagen Aqualab. Examine management and conservation issues. Participate in field courses in arctic, tropical or temperate regions, or in exchange programs with universities in Europe, New Zealand, Australia and Fiji. Prepare for related post-graduate work, and pursue careers in biology, management and conservation, aquaculture, biotechnology, education, and research either in government or the private sector. Also see B.Sc.(Env) Ecology.

Sample Careers: aquatic biologist, fish habitat biologist, environmental communications coordinator, research technician - oil industry, marine ecosystem scientist

■ Available in co-op

MATHEMATICAL SCIENCE

admission.uoguelph.ca/Bsc/MS

Mathematics and statistics play a huge role in explaining the world around us. This program gives you the opportunity to apply math and stats to real world problems and uncover relationships to other fields. This unique degree will provide you with the tools and techniques to explore a wide variety of careers. Enjoy the freedom to follow your interests while becoming a leader in innovation and ground-breaking discovery! Also see BA Mathematical Science.

Sample Careers: data scientist, fraud and risk analyst, and computational biologist

MICROBIOLOGY ■

admission.uoguelph.ca/Bsc/Micr

Study the smallest and most predominant organisms on the planet: bacteria, archaea, viruses, yeasts and moulds. Explore varied topics from deep sea ecosystems to the normal microbial inhabitants of the human body, to practical matters of public health. With optional co-op, you can discover the medical, industrial and environmental impacts of microorganisms and learn about the methods used to study and utilize them for biotechnology or bioremediation.

Sample Careers: food safety advisor, biological activity technologist, global pharmaceutical partner analyst, biotechnology business development manager

MOLECULAR BIOLOGY AND GENETICS ■

admission.uoguelph.ca/Bsc/Mbg

Explore genomes, the genetics of microorganisms, plants and animals, and the structure and function of cells. Discover how significant advances in molecular and cellular biology can be applied to gene therapy, genetic testing, biopharmaceuticals or crop production. Participate in research projects with professors to gain additional hands-on training for a career in this exciting field.

Sample Careers: research analyst, global medical affairs lead, clinical research scientist, clinical data manager, laboratory coordinator



NANOSCIENCE ■

admission.uoguelph.ca/Bsc/Nano

Discover the science of the very small in nanoscience. Draw upon chemistry and physics to develop a thorough understanding of this innovative field; learn to control the atom-by-atom assembly of matter, form quantum dots and nanowires, and analyze structures and devices whose dimensions lie in the nanometre range. Discover nanoscience from the research lab to the industrial and consumer realms.

Sample Careers: nanolithography process designer, nanoparticle toxicologist, and cancer nanotechnologist

NEUROSCIENCE ■

admission.uoguelph.ca/Bsc/Neuro

Explore the brain, the most poorly understood organ in the human body, and the source of many disorders and diseases. Study contemporary problems and research tools in neuroscience and further your knowledge of the nervous system. Structure your program with electives to emphasize aspects of molecular/cellular, behavioural and cognitive, and biomedical neuroscience.

Sample Careers: drug safety officer, medical director, child and youth mental health clinician, robotics project manager

NUTRITIONAL AND NUTRACEUTICAL SCIENCES ■

admission.uoguelph.ca/Bsc/Nans

Tackle nutrition-related problems in the food, pharmaceutical and natural health product industries. Understand how nutrients, phytochemicals, toxins and food processing products affect the body. Work in international health and nutrition organizations, government regulatory bodies and advisory agencies, or pursue related graduate studies. To become a Registered Dietitian, please see B.A.Sc. Applied Human Nutrition.

Sample Careers: food and nutrition formulation specialist, regulatory research and development, senior health policy analyst

PHYSICAL SCIENCE

admission.uoguelph.ca/Bsc/Psci

Create your own curriculum and explore physical science. Focus on chemistry, computing and information science, mathematics, physics or statistics. Choose a minor in subjects like biotechnology, geographic information systems, psychology or business to meet your career goals or pursue professional schools.

Sample Careers: scientific writer, teacher, investment analyst, and atmospheric scientist

PHYSICS ■

admission.uoguelph.ca/Bsc/Phys

Explore the exotic aspects of the universe in physics. Study black holes and subatomic particles, develop exciting modern devices like particle accelerators and gamma-ray spectrometers. Acquire quantitative skills and logical thinking. Take specialized courses in experimental laboratory techniques, optics and science communication. Be well-equipped for high-tech careers in industry, government or academia.

Sample Careers: fibre optics and photonics researcher, meteorologist/climatologist, forensic scientist, and nuclear energy specialist

PLANT SCIENCE ■

admission.uoguelph.ca/Bsc/Plsc

Explore the intricacies of plants through the study of their diversity, growth, development, environmental interactions and various economic uses. Gain knowledge of advances in molecular biology, plant ecology, systematics, physiology, botany, genetics, agriculture, ethnobotany and biotechnology. Become a leader in the field of plant science and contribute to society’s need for the efficient production of healthy foods and improved environmental management.

Sample Careers: policy analyst, senior grower, science writer, integrated pest management lead, agricultural biotechnologist

THEORETICAL PHYSICS

admission.uoguelph.ca/Bsc/Thpy

Theoretical physics is a more mathematically oriented approach to physics that develops mathematical skills in studying topics like black holes, the internal structure of protons and neutrons and high-temperature superconductivity. Your physics and math courses will build problem solving and computing abilities for a wide variety of careers.

Sample Careers: cosmologist, financial modelling consultant, and quantum computing researcher

WILDLIFE BIOLOGY AND CONSERVATION ■

admission.uoguelph.ca/Bsc/Wlbc

Explore prominent worldwide issues such as the depletion of natural resources and global climate change. Study ecology and the evolution of organisms to begin tackling these issues, and gain an understanding of plant and animal conservation. Practical experience gained in lab, field and research courses, combined with knowledge of strategies for conservation, management and policy, will broaden future opportunities in this field. Also see B.Sc.(Env) Ecology.

Sample Careers: planning ecology technician, environmental assessment officer, terrestrial and wetland biologist, program and outreach coordinator

ZOOLOGY

admission.uoguelph.ca/Bsc/Zoo

We share planet Earth with 30 million other animal species, and virtually nothing is known about most. Gain deeper insight into the diversification of life through a broad foundation in ecology, evolution, and vertebrate and invertebrate biology. Participate in a field course, international exchange, or research project, and contribute to our knowledge of the animal kingdom.

Sample Careers: invasion biologist, sustainability manager, crime manager, animal care and research assistant

■ Available in co-op

Sample First-Year Courses

Semester 1

- Biology I
- General Chemistry I
- Physics I
- Calculus I
- One Elective

Semester 2

- Biology II
- Biology III
- Calculus II or elective
- General Chemistry II
- Physics II
- Mathematical or computational science elective or liberal education elective

Check out the Undergraduate Calendar for more available courses. Go to admission.uoguelph.ca/degrees.

“As a science student, I spend a lot of time in the Summerlee Science Complex, both in the labs and in the beautiful atrium, which is a favourite study space for many students. My courses help me build on my laboratory technical skills while learning many experimental procedures, both independently to gain confidence in my skills, and with my peers as we assist each other and learn together. My program has a great community of supportive students - it’s a great dynamic and part of what I love about being in the lab and the hands-on component of my learning.”

Sarayna Bala

Bachelor of Science, microbiology, co-op

High school: Cardinal Ambrozic Catholic Secondary School, Brampton, Ontario

Campus Involvement: Executive of Publications for Guelph’s chapter of the Canadian Association for Research in Regenerative Medicine; Student Volunteer Notetaker; peer mentor for first year students; Gryphons Nest online community mentor for off-campus students.



Doctor of Veterinary Medicine

ovc.uoguelph.ca

Contribute to the world of medicine, care, scientific discovery and community.

The Doctor of Veterinary Medicine program is accredited by the Canadian and American Veterinary Medical Associations.

“The Doctor of Veterinary Medicine program has provided me with access to a wide range of work opportunities, professional development activities and extracurriculars. This goes a long way towards helping me explore different specializations within veterinary medicine, and tailor my education to my interests. I’ve gained valuable leadership experience as the vice-president of OVC’s Surgery Club. The technical and people skills I’ve gained has been helpful in my work with the Community Outreach Club, where I’ve assisted with wellness consultations, physical exams and surgeries in First Nations communities.”

Michael Zhang
Doctor of Veterinary Medicine; completed BSc. in Bio-Medical Science at U of G
High School: Richmond Hill High School, Richmond Hill, Ontario
Campus Involvement: Vice President of Surgery Club; OVC Community
Outreach Club general member; Research assistant in the Clinical Studies
department at OVC; music performer at the Bullring

FAQs

When can I apply to the DVM program?

Before applying to the DVM program, you must complete two years of a full-time undergraduate degree and eight prerequisite courses. You can apply to the DVM program in your third year.

Full time is a minimum of five one-semester courses or 15 credit hours per semester.

What courses should I take in high school?

Take courses that provide you with the admission requirements for your program of interest. You can pursue any degree program so long as it allows you to complete the prerequisites you need to apply to the DVM program. If you're interested in a science program you should take high school Biology, Chemistry, Physics, Advanced Functions or Calculus.

How do I get veterinary experience?

You can get experience through job shadowing, working, or volunteering with veterinarians. To find a listing of licensed veterinarians and clinics in Ontario, go to the College of Veterinarians of Ontario website at cvo.org. If you own an animal, start by asking your own veterinarian if you can volunteer at their clinic. You can also contact local stables, animal shelters, zoos, and food animal producers to see if they offer volunteer/work positions.

While in university, check if your school has a laboratory animal facility there, and if so, connect with the veterinarian in charge. You can also participate in research with a veterinarian in academia or job shadow one of the many veterinarians working in the government.

How can I gain experience with animals?

Work with livestock, equestrian activities and any other animal-related hobby or experience. Contact local stables, animal shelters, zoos, and food animal producers for volunteer/work positions.

Experience does not include personal animal ownership.

Which university should I attend for my undergraduate studies?

If you've attended an accredited university or college and completed the minimum admission requirements you can apply to the OVC. If you are completing your undergraduate degree at another institution, please contact the DVM Admission Counsellor at admdvm@uoguelph.ca to ensure the courses you select meet the prerequisite requirements.

For more FAQs, please visit: ovc.uoguelph.ca

For more information about DVM admission, please email admdvm@uoguelph.ca.

Admission Requirements

- Completion of a minimum of two years of a full-time undergraduate degree.
- Completion of eight prerequisite courses completed at the degree level: cell biology; biochemistry; genetics; statistics; two biological sciences; and two humanities and/or social sciences.
- Experience with veterinarians and animals
- Submission of a Background Information Form
- Letters of Reference (two must be from veterinarians with whom you have worked)
- An interview
- CASPer Situational Judgment Test
- Canadian applicants, including dual citizens, must be residents of Ontario. A “resident” is someone who has resided in Ontario for 12 months, exclusive of time spent in a post-secondary institution.

Visit ovc.uoguelph.ca for requirements.

Career choices for Vets in Canada:

Clinical Careers 75%

- Companion animal 45%
- Mixed animal 21%
- Large animal 9%
- Government 10%
- Industry 6%
- Research, teaching and academia 5%
- Other 4%

Non-clinical careers 25%

OVC RANKS:

#1
IN CANADA

#3
IN NORTH AMERICA

#5
IN THE WORLD

(QS, 2022)



Associate Diplomas

Unique, two-year diplomas to get your career going quickly!

“I love the small class sizes, passionate faculty, and the mix between theoretical and practical learning in Turfgrass Management. Through this program, I’ve developed presentation skills and become comfortable with hands-on tasks like completing turf and soil sample collection, turfgrass and landscape plant identification, and turfgrass disease identification. The faculty take a personal interest in each student's growth, success and development and their commitment to education and turfgrass is infectious!”

Mackenzie Levesque
Associate Diploma in Turfgrass Management
High School: École Secondaire Catholique Père René de Galinée, Cambridge, Ontario
Campus Involvement: Turf Club Co-President; Curriculum Committee member;

ASSOCIATE DIPLOMA IN TURFGRASS MANAGEMENT ▲■

Offered at the Guelph Campus
admission.uoguelph.ca/DipTurf

Interested in science, sports and being outside? You’ve found your program. Launch your career in sports field and golf course management, park operations or sod production. Courses blend scientific study with hands-on learning, field trips and a co-op workterm. You’ll also use the lab facilities of the University, including the Guelph Turfgrass Institute. Leave with in-demand skills and a network of turf professionals, employers and mentors.

Sample Careers: sports field manager, golf course superintendent, lawn care specialist, sod production manager, and sales manager

Application Note: Admission is determined by a combination of your academic average and faculty evaluation of the required Background Information Form (BIF). The BIF can be found at admission.uoguelph.ca/supforms.

ASSOCIATE DIPLOMA IN AGRICULTURE ■■

Offered at the Ridgetown Campus
ridgetownc.com/dagr

Prepare yourself with the science, tech and business know-how needed to run an "ag-business". Focus on areas in crops, business, livestock, or fruit and vegetables.

Sample Careers: agricultural finance manager, feed sales manager, precision agriculture technician, farm manager, and crop consultant

ASSOCIATE DIPLOMA IN ENVIRONMENTAL MANAGEMENT ■

Offered at the Ridgetown Campus
ridgetownc.com/denm

Build your skills to secure a career in conservation, water or resource management. Learn in labs, field trips and an industry work placement.

Sample Careers: environmental farm plan consultant,

environmental technician, renewable energy plant operator, and water treatment plant operator

ASSOCIATE DIPLOMA IN EQUINE CARE AND MANAGEMENT ■■

Offered at the Ridgetown Campus
ridgetownc.com/decm

Enhance your knowledge with applied skills in equinecare, management and business. Learn about nutrition, breeding, health, and complete an industry work placement.

Sample Careers: equine facility manager, equine marketing and sales representative, show groom

ASSOCIATE DIPLOMA IN HORTICULTURE ■■

Offered at the Ridgetown Campus
ridgetownc.com/dhrt

Find your career in one of the many greenhouse an landscaping options. Enhance your creativity and skills through practical labs in our on-campus greenhouses.

Sample Careers: assistant greenhouse grower, horticultural technician, cannabis production assistant, and parks and recreation technician

ASSOCIATE DIPLOMA IN VETERINARY TECHNOLOGY*■

Offered at the Ridgetown Campus
ridgetownc.com/dvt

Receive the specialized knowledge and skills required to become a companion or large animal veterinary technician. This program is accredited by the Canadian and American Veterinary Medical Association, and the Ontario Association of Veterinary Technicians.

Sample Careers: veterinary technician, government inspector, pharmaceutical technical representative, and specialty or referral hospital technician

*The Associate Diploma in Veterinary Technology is offered in both a 2- and 3-year format. The 2-year conventional format is all on-campus and runs from September through April. The 3-year alternative format offers some courses by distance learning and three consecutive summer semesters at the Ridgetown Campus.

■ Available in co-op ▲ Mandatory Co-op

■ Offered in 2 years ■ Offered in both 2 and 3 year formats



University of Guelph-Humber

guelphhumber.ca/futurestudents

An honours degree and diploma in 4 years!

Why Choose the University of Guelph-Humber?

Gain knowledge and hands-on experience. You will learn at the University of Guelph-Humber campus, located in Toronto. Earn an honours degree from the University of Guelph and a diploma from Humber, concurrently.

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HUMBER

PROGRAMS

Workplace experience is built into every program!

Business

Honours Bachelor of Business Administration
+
Diploma in Business Administration

Community Social Services

Honours Bachelor of Applied Science in Community Social Services
+
Social Service Worker Diploma

Early Childhood Studies

Honours Bachelor of Applied Science in Early Childhood Studies
+
Diploma in Early Childhood Education

Justice Studies

Honours Bachelor of Applied Science in Justice Studies
+
Diploma in Police Foundations or Community and Justice Services

Kinesiology

Honours Bachelor of Applied Science in Kinesiology
+
Diploma in Fitness and Health Promotion

Media and Communication Studies

Honours Bachelor of Applied Arts in Media and Communication Studies
+
Diploma in Media Communications

Psychology

Honours Bachelor of Applied Science in Psychology
+
Diploma in General Arts and Science
+
Optional certificate (granted by Humber) in Intercultural Relations, Organizational Behaviour or Research Skills and Analysis

Admission Requirements

- Ontario Secondary School Diploma (or equivalent).
- A minimum of six 4U/M courses (or equivalent), inclusive of subject requirements.
- Estimated cut-off admission average for all programs is 75–80%. If you have an admission average of 70–74.9%, it is strongly recommended that you submit a Student Profile to be considered for admission.

Applying

Canadian high school students are encouraged to apply by January 12, 2023 to be considered for all rounds of admission. Transfer and international students looking for specific application deadlines should visit guelphhumber.ca/futurestudents.

Entrance Scholarships

- **Founders' Academic Merit Scholarship**
\$36,000 (\$9,000 x 4)
- **Vice-Provost Entrance Scholarship**
\$20,000 (\$5,000 x 4)
- **Renewable Entrance Scholarship**
Up to \$17,000 (over 4 years)

For more information about the University of Guelph-Humber, please visit guelphhumber.ca/futurestudents, email us at futurestudent@guelphhumber.ca or call 416.798.1331 x6056.



Ontario High School Admission Requirements

admission.uoguelph.ca

Program	Majors	Ontario High School Requirements	Estimated Cut-off Ranges**	Notes
Bachelor of Arts 6 semesters (General Degree); 8 semesters (Honours Degree) page 13	<ul style="list-style-type: none">• Anthropology• Art History• Classical Studies• Creative Writing• Criminal Justice and Public Policy• Culture and Technology Studies• Economics• English• Environmental Governance• European Studies• Food, Agricultural and Resource Economics• French Studies• Geography <ul style="list-style-type: none">• History• International Development Studies• Justice and Legal Studies• Mathematical Economics• Mathematical Science• Music• Philosophy• Political Science• Psychology• Sexualities, Genders and Social Change• Sociology• Studio Art• Theatre Studies	<ul style="list-style-type: none">• English (ENG4U)• 5 additional 4U or 4M courses	75–80% for all majors, except Criminal Justice and Public Policy, and Psychology (80-85%).	Completion of Advanced Functions (MHF4U) is highly recommended for Economics, Food, Agricultural and Resource Economics, Mathematical Economics or Mathematical Science; these majors require knowledge in math. A 4U math is recommended for students pursuing other social science majors. Students not admitted to Criminal Justice and Public Policy will be automatically considered for Bachelor of Arts, Justice and Legal Studies. Students not admitted to Psychology will be automatically considered for Bachelor of Arts, Sociology.
Bachelor of Arts and Sciences 8 semesters (Honours Degree) page 19		<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 1 4U or 4M Arts or Social Studies course• 1 additional 4U or 4M course	78–83%	Arts and social studies courses include any 4U/M course that does not begin with S, M, I, P, or T. Core courses are complemented by two minors of your choice — one science, and one arts or social science. See page 8 for a list of minors.
Bachelor of Applied Science 8 semesters (Honours Degree) page 21	<ul style="list-style-type: none">• Applied Human Nutrition	<ul style="list-style-type: none">• English (ENG4U)• 1 4U math course• Biology (SBI4U)• Chemistry (SCH4U)• 2 additional 4U or 4M courses	80–85%	
	<ul style="list-style-type: none">• Child Studies• Family Studies and Human Development	<ul style="list-style-type: none">• English (ENG4U)• 1 4U math course• 1 of Biology (SBI4U), Chemistry (SCH4U), Introductory Kinesiology (PSK4U)• 3 additional 4U or 4M courses	76–81%	4U Biology is recommended
Bachelor of Bio-Resource Management 8 semesters (Honours Degree) page 23	<ul style="list-style-type: none">• Environmental Management	<ul style="list-style-type: none">• English (ENG4U)• Biology (SBI4U)• 4 additional 4U or 4M courses	75–80%	4U Chemistry and a 4U Math are strongly recommended.
	<ul style="list-style-type: none">• Equine Management	<ul style="list-style-type: none">• English (ENG4U)• 1 4U math course• Biology (SBI4U)• Chemistry (SCH4U)• 2 additional 4U or 4M courses	75–80%	
	<ul style="list-style-type: none">• Food Industry Management	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• Biology (SBI4U)• Chemistry (SCH4U)• 2 additional 4U or 4M courses	75–80%	
Bachelor of Commerce 8 semesters (Honours Degree) page 27	<ul style="list-style-type: none">• Accounting• Food and Agricultural Business• Management• Marketing Management <ul style="list-style-type: none">• Management Economics and Finance• Real Estate• Sport and Event Management• Undeclared (first year only)	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 1 additional 4U math course• 3 additional 4U or 4M courses	80–85%	
	<ul style="list-style-type: none">• Government, Economics and Management• Hospitality and Tourism Management	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 4 additional 4U or 4M courses		
Bachelor of Computing 6 semesters (General Degree); 8 semesters (Honours Degree) page 25	<ul style="list-style-type: none">• Computer Science• Software Engineering	<ul style="list-style-type: none">• English (ENG4U)• Calculus and Vectors (MCV4U)• 4 additional 4U or 4M courses	85–90%	Computing and data management courses are recommended, as are other courses necessary to prepare you for study in an area of application.

Program	Majors	Ontario High School Requirements	Estimated Cut-off Ranges**	Notes
Bachelor of Engineering 8 semesters (Honours Degree) page 31	<ul style="list-style-type: none">• Biological Engineering• Biomedical Engineering• Computer Engineering• Engineering Systems and Computing <ul style="list-style-type: none">• Environmental Engineering• Mechanical Engineering• Water Resources Engineering• Undeclared (first year only)	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• Calculus and Vectors (MCV4U)• Chemistry (SCH4U)• Physics (SPH4U)• 1 additional 4U or 4M course	84–89%	
Bachelor of Indigenous Environmental Science and Practice 8 semesters (Honours Degree) page 35		<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• Biology (SBI4U)• Chemistry (SCH4U)• 2 additional 4U or 4M courses	75–80%	
Bachelor of Landscape Architecture 8 semesters (Honours Degree) page 37		<ul style="list-style-type: none">• English (ENG4U)• 5 additional 4U or 4M courses	Admission is determined through a combination of academic grades and the Background Information Form (BIF).	Applicants are required to complete a Background Information Form (BIF). See page 38. Sciences as well as the arts and languages is encouraged for all applicants.
Bachelor of One Health 8 semesters (Honours degree) page 39		<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 1 4U or 4M Arts or Social Studies course• 1 additional 4U or 4M course	83-88%	Arts and social studies courses include any 4U/M course that does not begin with S, M, I, P, or T.
Bachelor of Science 6 semesters (General Degree); 8 semesters (Honours Degree) page 45	Biological Sciences <ul style="list-style-type: none">• Animal Biology• Biochemistry• Biodiversity• Biological Science• Bio-Medical Science• Biomedical Toxicology• Environmental Biology• Food Science <ul style="list-style-type: none">• Human Kinetics• Marine and Freshwater Biology• Microbiology• Molecular Biology and Genetics• Neuroscience• Nutritional and Nutraceutical Sciences• Plant Science• Wildlife Biology and Conservation• Zoology	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 2 additional 4U or 4M courses	78-84% for all majors except Biological Science (81-86%), and Bio-Medical Science and Animal Biology (85-90%)	Two of three 4U science courses (i.e.: Biology, Chemistry, and Physics) are required for admission; completion of all three is recommended. Applicants who lack the third science course will take a replacement course in semester one. Students not admitted to Animal Biology or Bio-Medical Science will be automatically considered for Bachelor of Science, Biological Science.
	Physical Sciences <ul style="list-style-type: none">• Biological and Medical Physics• Biological and Pharmaceutical Chemistry• Chemical Physics <ul style="list-style-type: none">• Chemistry• Environmental Geomatics• Mathematical Science• Nanoscience• Physics• Physical Science• Theoretical Physics	<ul style="list-style-type: none">• English (ENG4U)• Calculus and Vectors (MCV4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 2 additional 4U or 4M courses	78–84% for all majors	
Bachelor of Science in Agriculture 8 semesters (Honours Degree) page 41	<ul style="list-style-type: none">• Animal Science• Crop Science• Honours Agriculture• Horticulture	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 2 additional 4U or 4M courses	75–80%	Completion of 4U Biology and 4U Chemistry is recommended. First year is common; students will select a major in second year.
Bachelor of Science in Environmental Sciences 8 semesters (Honours Degree) page 43	<ul style="list-style-type: none">• Ecology• Environment and Resource Management• Environmental Economics and Policy• Environmental Sciences	<ul style="list-style-type: none">• English (ENG4U)• Advanced Functions (MHF4U)• 2 of Biology (SBI4U), Chemistry (SCH4U), Physics (SPH4U)• 2 additional 4U or 4M courses	75–80%	Completion of 4U Biology and Chemistry is recommended. First year is common; students will select a major in second year.
Doctor of Veterinary Medicine 8 semesters page 51		No direct admission from high school. Applicants must have completed a minimum of two years of a full-time undergraduate degree program. Please see page 51 for more information.		
Associate Diplomas 4 semesters page 53	Associate Diplomas in: <ul style="list-style-type: none">• Agriculture (Ridgetown)• Environmental Management (Ridgetown)• Equine Care and Management (Ridgetown)• Horticulture (Ridgetown)• Turfgrass Management• Veterinary Technology (Ridgetown)	<ul style="list-style-type: none">• Secondary School Diploma (OSSD) Veterinary Technology: <ul style="list-style-type: none">• OSSD with credits in SBI3C or SBI3U; SCH3U or SCH4C; MTC4C or MAP4C, or any 4U Math; and ENG4C or any 4U English.	65–70%	Consult the associate diploma program calendar uoguelph.ca/diploma_calendar for program details. Turfgrass applicants are required to complete a Background Information Form. See page 54 for more details. 'U' level course minimum final grade must be 65%; 'C' level course minimum final grade must be 75%.

Visit admission.uoguelph.ca/degrees for a list of programs offered in general vs honours format. For admission purposes, FEF4U and EAE4U will be considered equivalent to ENG4U.

■ Offered as regular and co-op programs. ■ Mandatory co-op programs. For programs with an Undeclared option, we recommend you apply directly to a co-op major.

** Estimated cut-off ranges are based on the admission averages from previous years and are provided solely as a point of reference. Exact cut-offs for the current cycle will be determined by the quantity and quality of applications received and the number of places available in the program. Co-op averages will often exceed the estimated cut-off ranges. Students not admissible to co-op will be automatically considered for the regular program.



National Course Equivalency Chart by Province and Territory

admission.uoguelph.ca

Ontario Course	Alberta, Northwest Territories,	British Columbia, Yukon	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia	Prince Edward Island	Quebec (Grade 12)	Quebec (CEGEP)	Saskatchewan
General Requirements	Grade 12 diploma, including 5 courses numbered 30 or 31 with weight of 5, including required subjects	Grade 12 diploma, including 5 acceptable academic Grade 12 courses, including required subjects	Grade 12 diploma, including 5 full courses at the senior level 4, with a minimum of 3 40S courses, including required subjects	Grade 12 diploma, including 6 academic courses numbered 120, 121, or 122, including required subjects	Grade 12 diploma, including 11 credits numbered 31_ or 32_, including required subjects	Grade 12 diploma, including 5 courses numbered 12 academic or advanced, including required subjects	Grade 12 diploma, including 5 academic courses numbered 61_ or 62_, including required subjects	Grade 12 diploma, including 6 academic Grade 12 courses, including required subjects	12 academic courses, including required subjects. Note: course codes are subject to change	Grade 12 diploma, including 6 courses numbered 30, including required subjects
English (ENG4U)	English 30–1	English 12 OR English Studies 12	English Language Arts 40S	English 121 OR English 122	English 3201	English 12 (Academic)	English 621A	English 12	2 x English 603 or 604	English A30 or English B30
Biology (SB14U)	Biology 30	Biology 12 OR Anatomy and Physiology 12	Biology 40S	Biology 121 OR Biology 122	Biology 3201	Biology 12	Biology 621	Biology 12	Evolution and Diversity of Life (Biology NYA)	Biology 30
Chemistry (SCH4U)	Chemistry 30	Chemistry 12	Chemistry 40S	Chemistry 121 OR Chemistry 122	Chemistry 3202	Chemistry 12	Chemistry 621	Chemistry 12	General Chemistry (Chemistry NYA) AND Chemistry of Solutions (Chemistry NYB)	Chemistry 30
Physics (SPH4U)	Physics 30	Physics 12	Physics 40S	Physics 121 OR Physics 122	Physics 3204	Physics 12	Physics 621	Physics 12	Mechanics (Physics NYA) AND Electricity and Magnetism (Physics NYB)	Physics 30
Calculus and Vectors (MCV4U)	Math 31	Calculus 12	Calculus 45A OR Calculus 45S	Calculus 120	Math 3208	Calculus 12	Math 611B	Calculus 12	Calculus 1 (Math NYA)	Calculus 30
Advanced Functions (MHF4U)	Math 30–1	Pre-Calculus 12	Pre-Calculus Math 40S	Pre-Calculus B-120	Math 3200	Pre-Calculus 12	Math 621B	Advanced Functions 12	Linear Algebra (Math NYC)	Pre-Calculus 30
Other Math (MDM4U)	Math 30–2	Foundations of Math 12	Applied Math 40S	Foundations of Math 120	Math 3201	Math 12 (Academic)	N/A	Data Management 12	Calculus 2 (Math NYB)	Foundations of Math 30

Please refer to the Ontario Admission Requirements chart for specific subject requirements. (pages 57-58)
*Please note that the estimated cut-off ranges assume a grading scale in which 50% is a minimum passing grade. Educational systems in which 60% is the minimum passing grade may be prorated accordingly.





How to Apply

admission.uoguelph.ca/apply

I am currently enrolled in an Ontario high school...

How to Apply:

Apply using the 101 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates:

October 2022 — applications are open

January 12, 2023 — official application deadline to be considered for early offers of admission.

Note: The OUAC will continue to process applications received after this date.

Application Fees:

The application fee is \$150 payable to the OUAC for your first three program choices. Each additional program choice, beyond the first three, is \$50. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

April 27, 2023 — deadline for grades to be submitted by your school to the OUAC.

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission through the OUAC.

The residence application and \$750 deposit are due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.

I am currently enrolled in high school in a Canadian province or territory outside of Ontario...

How to Apply:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates:

October 2022 — applications are open

January 12, 2023 — official application deadline to be considered for early offers of admission.

Note: The OUAC will continue to process applications received after this date.

Application Fees:

The application fee of \$156 is payable to the OUAC for three program choices. It's \$50 for each additional program. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

Please have your school forward official transcripts showing completed Grade 11 and 12 courses, and all in-progress Grade 12 courses. For currently enrolled course work, have your guidance counsellor/administrator email an official (with an official school stamp or seal) transcript with all in-progress and completed grades to applicant@uoguelph.ca. All course and grade information must be sent to Admission Services at the University of Guelph as soon as possible, but no later than **April 15, 2023**.

British Columbia:

British Columbia schools submit grade data electronically to the OUAC. We will automatically receive grade data from the OUAC on an ongoing basis.

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission through the OUAC.

The residence application and \$750 deposit are also due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.

I am an out-of-country Canadian or I am studying in an international curriculum outside of Canada...

How to Apply:

International Applicants: There are three ways to apply:

1. Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.
2. If you only wish to apply to the University of Guelph, apply online directly using the form available at admission.uoguelph.ca/international
3. Apply with the Common App at apply.commonapp.org (not applicable to Canadian Citizens or Permanent Residents of Canada)

Canadian Citizens or Permanent Residents of Canada:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates:

January 15, 2023 — application deadline to be considered for early offers of admission.

February 15, 2023 — official application deadline.

Submit Documents:

February 1, 2023 — deadline for early consideration.

March 1, 2023 — deadline for applicants residing and studying outside of Ontario and/or Canada to submit application and academic documents (including English Proficiency).

*Official documents should come directly from the issuing institution or accreditation body in their official sealed envelope or from wes.org/ouac. Where English translations are needed, please have them verified and sent by the issuing academic institution. Please contact Admission Services at the University of Guelph for further clarification on official documentation.

Applicants from the United States

admission.uoguelph.ca/american

Applicants From Other Countries

admission.uoguelph.ca/international

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission.

The residence application and \$750 deposit are also due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.

My most recent education is high school, but I am not currently enrolled...

How to Apply:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates:

October 2022 — applications are open

January 12, 2023 — application deadline to be considered for early offers of admission.

Note: The OUAC will continue to process applications received after this date.

Application Fees:

The application fee of \$156 is payable to the OUAC for your first three program choices. Each additional program choice, beyond the first three, is \$50. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

January 12, 2023 — deadline to submit transcripts to be considered for early offers of admission. An official transcript is one that is sent in a sealed envelope from the issuing institution directly to Admission Services on your behalf. It should not come from you, unless it is otherwise not available.

April 15, 2023 — the deadline to have all of your official grades submitted to the OUAC. As a student not currently enrolled in high school, it is your responsibility to ensure your school submits your official grades to the OUAC. Submit your grades as soon as possible.

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission through the OUAC.

The residence application and \$750 deposit are also due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.

I have been out of full-time high school for two years or more and have not registered at a college or university (mature student)...

How to Apply:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca. Normally, mature applicants must present a minimum of three required 4U/M subjects (as listed in the requirements chart on pages 57 and 58), have been granted a secondary school diploma, and have not attempted post-secondary studies. For more information, refer to admission.uoguelph.ca/maturestudent.

Important Dates:

January 12, 2023 — official application deadline to be considered for early offers of admission.

Note: The OUAC will continue to process applications received after this date.

Application Fees:

The application fee is \$156 payable to the OUAC for your first three program choices. Each additional program choice, beyond the first three, is \$50. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

January 12, 2023 — deadline to submit documents to be considered for early offers of admission.

April 15, 2023 — deadline to have all of your official grades submitted to Admission Services. An official transcript is one that is sent in a sealed envelope from the originating institution directly to Admission Services, University of Guelph. It should not come from you unless it is otherwise not available.

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission through the OUAC

The residence application and \$750 deposit are also due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.

Academic Transition Program

uoguelph.ca/arts/students/ATP

Applicants who do not possess the requirements for admission as a mature student may be eligible to apply to the Academic Transition Program. It provides an opportunity for mature students who do not meet the normal university admission requirements to take university courses and develop foundational academic skills before applying to a degree program.

I am currently or was previously registered at a college or university (transfer student)...

How to Apply:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates for Fall 2023 entry:

May 1, 2023 — application deadline. Some application dates vary by program. Please visit admission.uoguelph.ca/exttransfer for details.

Application Fees:

The application fee is \$156 payable to the OUAC for your first three program choices. Each additional program choice, beyond the first three, is \$50. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

June 1, 2023 — document deadline

As a transfer student, your application will be reviewed upon receipt of all official transcripts and supporting documents. Secondary and post-secondary transcripts must be sent from the issuing institution directly to Admission Services on your behalf. Unofficial transcripts and other required documents can be submitted through the OUAC Document Upload.

Transfer Credits:

Transfer credits (where applicable), are assessed during the admission process. Your transfer credits will typically be indicated in your offer of admission as well as your WebAdvisor account.

How to Accept Your Offer:

Your offer letter will indicate the deadline by which you must accept your offer of admission through the OUAC.

Pathways and Articulation Agreements:

The University of Guelph has many unique Pathways and Articulation Agreements with many colleges to give students an efficient way to combine their applied education with a strong theoretical base. Visit admission.uoguelph.ca/articulation.

I am a homeschooled applicant...

How to Apply:

Apply using the 105 application available online at the Ontario Universities' Application Centre (OUAC) ouac.on.ca.

Important Dates:

October 2022 — applications are open

January 12, 2023 — official application deadline to be considered for early offers of admission.

Note: The OUAC will continue to process applications received after this date.

Application Fees:

The application fee of \$156 is payable to the OUAC for your first three program choices. Each additional program choice, beyond the first three, is \$50. If you remove one of your program choices and add a new one at the same university, there is no additional fee.

Submit Documents:

January 12, 2023 — deadline to submit documents to be considered for early offers of admission.

April 15, 2023 — deadline to have all of your official documentation submitted to Admission Services. It is your responsibility to ensure you submit official documentation in support of your application. Submit your grades as soon as possible. For further details, please visit admission.uoguelph.ca/canadian/homeschool.

How to Accept Your Offer:

June 1, 2023 — deadline to accept your offer of admission through the OUAC.

The residence application and \$750 deposit are also due on **June 1, 2023**. Information on how to apply to residence will be included in your offer package and available online at housing.uoguelph.ca.



Additional Admission Documents

Student Profile Form

Optional but strongly recommended
Deadline: **May 1, 2023**
Available at admission.uoguelph.ca/spf

The Student Profile Form (SPF) is your opportunity to tell Admission Services about activities in which you have been involved that have helped you develop leadership and citizenship qualities. Factors beyond your control that have negatively affected your academic performance, such as illness or extenuating circumstances, will also be considered. If your admission average in May does not meet the cut-off for the program to which you have applied, your SPF will be considered if your average falls within a discretionary range of the final cutoff (up to 5%). If you choose to submit the SPF it is due **May 1, 2023**. The online form is made available in November.

Note: The SPF is to be used by high school applicants only. Transfer students who have factors to report should email a support letter to Admission Services: applicant@uoguelph.ca

Diploma in Turfgrass Management

Mandatory Background Information Form (BIF)
Recommended Deadline: **February 17, 2023**
Available at admission.uoguelph.ca/suppfoms

Your admission average will be calculated using Grade 12 or equivalent (4U, 4M or 4C courses only) and the Background Information Form (BIF). Applications and documents received after **February 17, 2023** will be considered as space allows.

Bachelor of Landscape Architecture

Mandatory Background Information Form (BIF)
Deadline: **March 1, 2023**
Available at admission.uoguelph.ca/suppfoms

If you apply to the BLA program, you are required to submit a Background Information Form (BIF). Admission is determined through a combination of academic grades and the BIF.

Supplementary Information Form For Students With Disabilities

Deadline: **May 1, 2023**
Available at wellness.uoguelph.ca/accessibility

The University of Guelph strives to provide equal opportunity for academically qualified students with disabilities. If you believe that your admission average does not reflect your true academic ability as a result of a disability, you are encouraged to complete the Supplementary Information Form for Students with Disabilities (SIF-D). The online form is made available in November. SIF-D submissions are reviewed and considered along with your marks in determining admission.

Additional Admission Information

International Baccalaureate (IB)

If you are applying with an IB Diploma you should:

- present a minimum academic score of 28 (many programs may require a higher score);
- complete the diploma with six subjects; 3 higher level and 3 standard level;

- include specific subject requirements among your higher and standard levels for the program to which you're applying (Math Studies and Standard Level Applications and Interpretations are not acceptable prerequisites for programs that require Advanced Functions or Calculus);
- ensure your predicted scores are submitted using the 7-point scale (Ontario students registered in an IB program will typically have their IB scores converted into Ontario U and M level courses).

IB Scores will be converted into grades on a percentage scale out of 100 by your school. Admission and scholarships are determined using the conversions.

IB students registered in their grade 11 year of study are advised to consult their high school IB guidance counsellor regarding 2019 changes to the IB Mathematics curriculum and how the new curriculum will be converted to Ontario 3U/M and 3U/M courses.

Upon receipt of official final results from the IBO, we'll assign specific transfer credits, where applicable, to a maximum of 2.00 credits, for grades of 5 or better on higher level courses where the applicant has been awarded the IB Diploma or DP course. You may request a change to an unspecified credit within the first 30 days of your first semester.

Advanced Placement (AP)

- If you have completed AP examinations with a minimum grade of 4, you will be eligible to receive transfer credits, where applicable, to a maximum of 2.0 credits.
- Transfer credits will be assigned once official exam results have been received from the AP College Board.
- Institution code for the University of Guelph is 0892.

If you fall outside these curricula, please consult our Country Specific Admission Requirements: admission.uoguelph.ca/international/admreq



English Proficiency

admission.uoguelph.ca/englprof

You will be required to present evidence of English language proficiency if:

1. your primary or first language is not English, and
2. you have completed less than four years of full-time secondary or post-secondary school study demonstrating satisfactory academic progress in an English language school system.

English Proficiency Deadlines

February 1, 2023 – the deadline for early consideration (out-of-country applicants)

March 1, 2023 – the deadline for final consideration (for out-of-country applicants)

April 15, 2023 – the deadline for English proficiency results (applicants studying in Canada)

As an applicant who is required to meet the English language proficiency requirement you must do so by submitting the required scores in one of the tests in the chart above. Test results dated more than two years prior to application for admission will not be considered. Send English Proficiency results to Admission Services (see address on back cover).

Acceptable English Proficiency Tests

Test	Required Scores
Advanced Level of the English Language Certificate Program (ELCP) eslguelph.ca	Successful completion of the University of Guelph's Open Learning Advanced Level of the English Language Certificate Program (ELCP) (levels 9 and 10) is also considered an acceptable form of testing for English proficiency.
Cambridge English: C1 Advanced and C2 Proficiency cambridgeenglish.org	Minimum overall score of 176 with no band less than 169.
Canadian Academic English (CAEL) cael.ca	Language Assessment Minimum overall band score of 70.
Duolingo English Test englishtest.duolingo.com	Minimum overall score of 110. Individual subscores may be considered.
International English Language Testing System (IELTS) ielts.org	Minimum overall score of 6.5 with no band less than 6.
Pearson Test of English (PTE) pearsonpte.com	Minimum overall score of 60 with no score less than 60 in the individual components.
Test of English as a Foreign Language (TOEFL) toefl.org	Internet-based: minimum total score of 89 with no individual scaled score less than 21. Computer-based: minimum score of 250. Paper-based: minimum score of 600. Test of Written English (TWE): with a score of 5. Institution code is 0892.

For additional information, please visit admission.uoguelph.ca/addinformation

Integrated Admission Pathway (IAP) opened.uoguelph.ca/English-Language-Programs

Begin your University of Guelph degree while you study English. The Integrated Admission Pathway allows you to start taking university degree-credit courses immediately. The combination of English language courses and selected degree-credit courses provides a simultaneous learning experience within a supported environment. Take advantage of a unique opportunity to apply your new English language skills to your academic studies right away.

This pathway provides a flexible option for guaranteed admission to the following degree programs at the University of Guelph:

- Bachelor of Arts, all regular and co-op programs
- Bachelor of Science, all regular and co-op programs
- Bachelor of Commerce, Undeclared
- Bachelor of Science in Agriculture
- Bachelor of Bio-Resource Management, all regular and co-op programs
- Bachelor of Science in Environmental Sciences, all regular and co-op programs

Apply through the Ontario Universities' Application Centre (OUAC) or Open Learning and Educational Support.

High School Applicants: FAQs About Applying to U of G

admission.uoguelph.ca/faqs

WHAT IF I WANT TO APPLY TO MORE THAN ONE PROGRAM AT THE UNIVERSITY OF GUELPH?

If you are coming to the University of Guelph directly from high school, you will be considered for all programs to which you apply. You are encouraged to list your program choices at U of G in order of preference.

WHAT IF I'M NOT ADMISSIBLE TO THE PROGRAM TO WHICH I APPLY?

There are a few programs where we will consider you automatically for an alternate program.

1. Not admitted to a co-op program? You'll be automatically considered for admission to the regular program.
2. If you don't possess the admission average for BA, Criminal Justice and Public Policy, we'll automatically consider you for BA, Justice and Legal Studies.
3. If you don't possess the admission average for BA, Honours Psychology, we'll automatically consider you for BA, Honours Sociology.
4. If you don't possess the admission average for B.Sc., Animal Biology or Bio-Medical Science, we'll automatically consider you for B.Sc., Biological Science.

DOES THE UNIVERSITY OF GUELPH RANK ME DIFFERENTLY IF I APPLY TO THE OTHER ONTARIO UNIVERSITIES?

We do not consider the ranking of program choices at other Ontario universities for admission, residence or scholarship consideration.

WHAT IF I REPEAT HIGH SCHOOL COURSES?

For the 2023 admission cycle, U of G will be using the highest grade reported for any repeated courses.

WHAT IF I WANT TO CHANGE THE PROGRAM I APPLIED TO?

You will need to amend your OUAC application but make sure you do it by **April 15, 2023** to be considered equally for admission to all programs.

WHEN IS THE DEADLINE TO APPLY?

Applications open in **October 2022**. To be considered for early admission, you should apply by **January 12, 2023**.

Note: The OUAC will continue to process applications received after this date.

WHAT IF I WANT TO APPLY TO CO-OP?

The minimum admission average required to be considered for co-op programs is normally 80%. It is important to note, however, that many co-op cut-offs exceed the estimated ranges based on the quantity and quality of applications and the number of places available in the program.

If you are considering applying to the Undeclared option in Bachelor of Commerce or Bachelor of Engineering but know you want to pursue co-op, you are encouraged to apply to a major with co-op directly from high school. It's possible for all students to apply to co-op in first year but space can be limited.

WHAT ARE THE CUT-OFFS?

Estimated cut-off ranges are based on the admission averages from previous years and are provided solely as a point of reference. Exact cut-offs for the current cycle are determined by the quantity and quality of applications received and the number of places available in each program. Admission to the University of Guelph can be competitive. Possession of an admission average within the estimated cut-off range (see the admission chart on pages 57 and 58) does not guarantee an offer of admission. The cut-off estimates apply to students who have been educated in Canada. Students educated outside of Canada will have their eligibility assessed on an individual basis.

Our Admission Plan

admission.uoguelph.ca

Offers of Admission

If you are currently enrolled full-time in an Ontario high school and you meet the minimum requirements, you will be considered for admission on an ongoing basis beginning January 2023.

If you are not currently enrolled full-time in an Ontario high school, and you meet the minimum requirements, you will be considered for admission on an ongoing basis as soon as all required documentation is received. All documents must be received no later than April 15, 2023.

Applicants presenting an admission average of 75% and higher will be considered for admission to all programs to which they've applied. Possession of an admission average within the estimated cut-off range does not guarantee an offer of admission.

Note: this admission plan is applicable for students applying directly from high school.

Conditions of Your Offer

Any offer of admission that you receive from the University of Guelph is conditional upon the following:

- completion of the Ontario Secondary School Diploma (OSSD) or equivalent; and
- completion of six Grade 12 and/or 4U/M courses, including required subjects, or equivalent; and
- a minimum final average as outlined in your offer letter.



Timing of Offers

admission.uoguelph.ca

Offer Dates	How We Calculate Your Admission Average	Estimated Cut-offs
Late January to late February	We use your top six completed 4U/M (or equivalent) courses, including required subjects.** Where not available, we use a combination of the top six completed or in-progress 4U/M and completed 3U/M courses, including required subjects. Should no 4U/M courses be completed or in-progress, the top five 3U/M completed courses (including required subjects) will be used.	Offers in this round are typically made to applicants whose admission average exceeds the estimated cut-off range.*
Early March to mid-April	We use your top six completed 4U/M (or equivalent) courses, including required subjects.** Where not available, we use a combination of the top six completed or in-progress 4U/M and completed 3U/M courses, including required subjects.	Offers in this round are typically made to applicants whose admission average is near the top of the estimated cut-off range.*
Late April to mid-May	We use your top six completed 4U/M (or equivalent) courses, including required subjects.** Where not available, we use a combination of the top six completed or in-progress 4U/M and completed 3U/M courses, including required subjects.	Offers in this round are typically made to applicants whose admission average is within the estimated cut-off range.*

Important Note: Some offers may be extended in December to a limited number of programs. In most cases, early offers will be sent to applicants whose admission average far exceeds the estimated cut-offs.
* For estimated cut-off ranges, see the Ontario requirements chart on pages 57 and 58.
** For a list of required subjects, see the Ontario high school requirements on pages 57 and 58, or provincial equivalents on page 59.

Applicants presenting an admission average of 75% and higher will be considered for admission to all programs to which they've applied. Possession of an admission average within the estimated cut-off range does not guarantee an offer of admission.

Important Deadlines for Fall 2023

admission.uoguelph.ca

JANUARY 12

Application deadline for currently enrolled high school students to be considered for first round of offers.

JANUARY 25

Application deadline for:

- President's Scholarships
- Lincoln Alexander Chancellor's Scholarships
- Dr. Franco J. Vaccarino President's Scholarship
- Academic Leadership Entrance Scholarships

FEBRUARY 15

Application deadline for students studying outside of Canada.

MARCH 1

Deadline for:

- Undergraduate applications to the Ontario Universities' Application Centre (OUAC)
- Applications for applicants residing and studying outside of Ontario and/or Canada. Academic documents (including English Proficiency) are also due.
- Bachelor of Landscape Architecture Background Information Form (BIF) deadline for all currently enrolled high school students

APRIL 15

Deadline for:

- Official transcripts for all high school applicants not currently enrolled in high school
- Official transcripts for high school students from provinces other than Ontario
- Proof of English proficiency for applicants applying from a Canadian high school system
- Amending your application to be considered equally for all programs, except for BLA
- Applying for scholarships and bursaries that require an application
- Financial Need Assessment Form

APRIL 27

Deadline for all official grades to be submitted from your high school (for those currently enrolled in an Ontario high school).

MAY 1

Deadline for:

- Student Profile Form (SPF) submission for students currently enrolled in high school
- Supplemental Information Form for Students with Disabilities (SIF-D) submission
- Application for college or university transfer applicants (fall 2023 entry)
- Bachelor of Landscape Architecture BIF submission (college and university transfer students)

JUNE 1

- Deadline to accept offer of admission through the OUAC
- Deadline for residence application and \$750 deposit
- Document deadline date for college and university transfer applicants for fall 2023 entry

THE ULTIMATE UNIVERSITY TOWN








City of Guelph

guelph.ca

With a rich history and small-ish size, Guelph offers the perfect blend of major city vibes and tightly knit small town. We're only an hour's drive from Toronto, and the GTA. GO commuter trains offer easy access. But make no mistake: Guelph is no suburb. It's a vibrant and diverse city that embraces U of G students.

GUELPH IS ONE OF CANADA'S TOP TEN PLACES TO LIVE!

-  Population of 133,000
-  1-hour drive from Toronto
-  You'll find music, art, and culture festivals all year 'round!
-  So many restaurants from so many cultures! Check Guelph's Top 10 Restaurants on TripAdvisor!
-  See more of Guelph —follow @seen_in_guelph on Instagram

SO MANY WAYS TO GET INVOLVED

200+ clubs

25,000-sq.ft.

fitness centre

12,000

students participated in intramurals
in 2019

20

kinds of intramural sports

35+

sports classes

20+

sports clubs



Clubs and Organizations

gryphlife.uoguelph.ca

Clubs and organizations span cultural and religious interests, media and performing arts, sports, academics and community service.

Join a student government - represent your residence hall, your academic college or the entire university!

With more than 200 clubs, we can't fit them all on one page, but here's a sample:

- Canadian Asian Student Society
- Contemporary Music Ensemble
- Engineers Without Borders
- Future Vets Club
- Guelph Black Students Association
- Guelph Queer Equality
- Habitat for Humanity
- Indian Students Association
- Muslim Students Association
- University Catholic Community
- World University Service of Canada



Athletics

gryphons.ca

Incredible facilities, indoors and out, and every sport under the sun!

● = Varsity Men ● = Varsity Women ● = Intramurals

3-Pitch.	●	Golf	● ●
Badminton.	●	Hockey	● ●
Baseball	●	Lacrosse	● ●
Basketball	● ●	Lobball	● ●
Beach Volleyball	●	Multi-Sport	● ●
Bubble Soccer	●	Nordic Skiing	● ●
Cross-Country	●	Pickleball	● ●
Curling	●	Rowing	● ●
Dodgeball	●	Rugby	● ●
Field Hockey	●	Spikeball	● ●
Figure Skating	●	Soccer	● ●
Flag Football	●	Swimming	● ●
Floor Hockey	●	Track and Field	● ●
Football	●	Ultimate Frisbee	● ●
Indoor Soccer	●	Volleyball	● ●
Innertube Water Polo	●	Wrestling	● ●



Living your best life

uoguelph.ca/studentexperience

No matter where you come from or how you get here, we're going to make your Gryphon life your best life. And we start from Day 1.

Even before you arrive, we've got your back! START Online is your guide to coming to U of G. Connect with other students, and get all the info you need for September!

START Online

uoguel.ph/start

STARTOnline is your guide to starting university. Connect with other students and get all the info you need for September!

START Indigenous

uoguel.ph/start

This orientation program for First Nations, Inuit and Métis students helps you and your family members learn more about life at U of G and the academic, financial, social and cultural supports available. Meet the Indigenous Student Advisor and the many other Guelph community members who will be at your side throughout your journey.

START Accessible

wellness.uoguelph.ca/accessibility

This two-and-a-half-day orientation introduces participants to Student Accessibility Services and other campus resources, preparing you for life as a U of G student while experiencing a disability.

START International

uoguel.ph/start

This orientation program for international students, exchange students and out-of-country Canadians helps you make connections and settle into your new home before Orientation Week begins. It features info sessions about academic life, resources to help you succeed, space to meet and connect with upper year students and staff, and campus tours and social gatherings.



“The University of Guelph is committed to increasing the representation and success of Indigenous students, and promoting First Nations, Inuit and Métis cultures and heritage within the campus community. All Indigenous students are encouraged to visit the Indigenous Student Centre to learn about the programs and services.”

Natasha Young, MA, MSW, RSW
Manager, Indigenous Student Centre

HEALTHY MIND HEALTHY BODY

Wellness and Support

wellness.uoguelph.ca

We're committed to fostering a safe environment where everyone experiences an authentic sense of inclusion and belonging. We take swift and deliberate steps to address racism, hatred and discrimination.

The Vaccarino Centre for Student Wellness puts you and your wellbeing at the centre of all we do. Helping you work at your best:

- Student Accessibility Services
- Wellness Education and Promotion Centre
- Student Health Services
- Health and Performance Centre
- Counselling Services
- Sexual Violence Support
- Student Support Network

Student Experience

uoguelph.ca/studentexperience

Student Experience supports the transition to campus and orientation needs of all students, including students identifying as First Nations, Inuit, Métis, Black, racialized, members of the LGBTQ2IA+ community, and members of various cultural, international, religious, and spiritual communities. We provide programs where you can build community, explore lived experiences, and support your personal development.

Black and Racialized Students

The Cultural Diversity Office supports the development of Black and racialized students. We provide services such as wellness support, cultural and transition support, student advising, and identity-based programming and resources.

LGBTQ2IA+ Students

The Sexual and Gender Diversity Advisor provides resources, programs and advising support for LGBTQ2IA+ students. OUTline is an anonymous and confidential online chat service staffed by trained peers to talk about issues related to sexuality.

First Nations, Inuit and Métis Students

The Indigenous Student Centre provides a culturally supportive environment that fosters academic excellence and supports the intellectual, spiritual, emotional and physical development of all First Nations (status and non-status), Inuit and Métis students. We provide student advising and wellness support, cultural and educational programming as well as academic and financial information.

Faith and Spirituality

The Multi-Faith Resource team represents a number of faiths and works together to meet the religious and spiritual needs of the University community.



Residence

housing.uoguelph.ca

Where campus comes to life.

When you live in residence at U of G, you're part of a community. You can also personalize your living options with Academic Clusters, Living-Learning Communities and Themed Living Communities based on your interests.

priority consideration

As a high school applicant, you will have priority for a space in residence (based on availability) if you submit your residence application and pay your \$750 deposit by June 1, 2023.



SINGLE ROOM



DOUBLE ROOM



EAST VILLAGE TOWNHOUSE, 1ST FLOOR

South Residences

- Mountain, Prairie and Maritime Halls house 1,800 students.
- More single rooms here than any other residence.
- Co-ed
- Dining hall in Prairie

North Residences

- Lambton offers suites with washrooms and kitchenettes.
- Lennox Addington has its own Starbucks.
- Johnston Hall is the most iconic building on campus.
- Arts House is where all of the bands are formed.
- Mills Hall includes a fireplace lounge.
- Watson Hall is women only.

East Residences

- Dundas, Lanark and Glengarry are shared suite-style.
- East Village is made up of townhouses, each with four private bedrooms, shared washroom, kitchen, living and dining rooms.

Follow [@UofGHousing](#) on Instagram and check out [uofghousing](#) on YouTube for 360° virtual tours.



Campus Food

hospitality.uoguelph.ca

The only campus food in Canada that's insta-worthy!

For years, we've been voted as having the best campus food of any Canadian university. Our secret? We make it all ourselves. We have a strong commitment to serving food that's good for you and for the planet too.

Checkout the hospitality website to learn more and follow [@HospitalityUofG](#) on Instagram, Twitter and Facebook for updates, menus and daily delicious posts!

Your Meal Card

campuscard.uoguelph.ca

Your Campus Card (ID card) is your meal card. Just tap it like a debit card

Meal Plan Sizes

hospitality.uoguelph.ca

Minimum: for small eaters

Light: for small eaters

Full: for those who eat 3 meals/day

Plus: for those who love all the food

Varsity: for those who really love all the food



Double Trouble Burger



Banana, Strawberry, Nutella Waffle



Bibimbap



Chili



Chicken Shawarma



Jackfruit Burger in our #IamReusable Container



Helping you pay

uoguelph.ca/studentfin

Let us help.

We believe all qualified individuals should be able to attend university regardless of their financial status. We make it easier for you by working in partnership with government aid programs and students to offer innovative programs specifically geared to ensuring an accessible, top-quality education for all students.

\$27.2M

Top Scholarships

\$42,500

11 scholarships worth \$42,500 each, \$8,250 annually for four years, plus \$9,500 for a summer research assistantship position after first year. **Apply by January 25, 2023 at:** admission.uoguelph.ca/topscholarships

President's Scholarships

Nine scholarships recognize students with a minimum 90% admission average who have made significant leadership contributions to their schools and communities.

Lincoln Alexander Chancellor's Scholarships

Each year, two scholarships recognize students entering with a minimum 90% admission average who have made significant leadership contributions to their schools and communities. Students must be one or more of the following: an Indigenous person, a person with a disability, and/or a Black or racialized student.

Academic Leadership Entrance Scholarships

\$20,000

35 awards of \$20,000 over four years. Selection is based on demonstrated leadership and academic excellence. Selection is made from the President's and Lincoln Alexander Chancellor's Scholarships applicants.

Board of Governor's Scholarships

\$20,000

25 awards of \$20,000 payable over four years, recognizing students with outstanding academic excellence. Application not required.

Entrance Scholarships

U of G rewards high academic achievement with a guaranteed entrance scholarship. Application not required.

The amount 8,170 students received in awards, including \$10.5 million in need-based awards, in 2021-2022!

Accessibility Bursaries

\$14,000

200 awards of \$14,000 payable over four years to those who have demonstrated financial need. **Apply by April 15, 2023 at:** uoguelph.ca/studentfin

Registrar's Entrance Bursaries

\$4,000

550 awards of \$4,000 for first year of study to those students who have demonstrated financial need. **Apply by April 15, 2023 at:** uoguelph.ca/studentfin

International Student Scholarships

Dr. Franco J. Vaccarino President's Scholarship

\$42,500

Payable over four years, this is awarded to a top international student who is entering with a record of academic excellence and has made significant leadership contributions to their school and community. **Apply by January 25, 2023 at:** admission.uoguelph.ca/topscholarships

If you are eligible for scholarships and/or bursaries, you will know the amount of your award(s) before the deadline to accept your offer.

U of G is committed to providing financial support in the form of scholarships and bursaries to encourage attendance by BIPOC students. Read more at uoguelph.ca/registrar/sfs/bipoc.

Academic Leadership International Entrance Scholarship

\$20,000

Awarded based on demonstrated leadership and academic excellence. Payable over four years. Selection is made from the Dr. Franco J. Vaccarino President's Scholarship applicants.

International Scholarships

\$17,500-\$20,500

Awarded on a competitive basis to semester-one students who have an admission average of 85% (or equivalent) or higher.

They range in value from \$5,500 to \$8,500 in the first year and are renewable at \$4,000 per year in years two, three and four when registered in full-time studies with a minimum 80% average in the previous academic year.

Students must have a complete admission file by March 1, 2023 to be considered. No scholarship application is required.



Use our Scholarship Search Tool to find the scholarship that's right for you! Search uoguelph.ca/registrar/sfs/ugawards



Student Financial Services

uoguelph.ca/studentfin

Student Financial Services provides a wide range of services and resources.

Work Study Program

This program creates part-time, on-campus employment for registered students with financial need. You can apply to this program by visiting the Student Financial Services website at uoguelph.ca/studentfin.

Part-time Jobs

Apply to one of our more than 4,000 part-time, on-campus jobs. Serve up a latté in one of our many on-campus eateries, help with research, work in an academic department, or lifeguard at the pool.

Summer Research Positions

Full-time summer research opportunities are available through three competitive and unique programs: Undergraduate Research Assistantships (URAs) for students with demonstrated financial need; International Student Undergraduate Research Assistantships (ISURAs) for international students; and Undergraduate Student Research Awards (USRAs) for students in natural sciences or engineering. Gain experience, work with faculty, and earn at least \$8,735.

In-Course Bursaries

Sometimes it's hard to meet all of your financial obligations. If you have a financial shortfall, a medical expense that isn't covered by any insurance plan or government program, or if you are experiencing financial pressures or an emergency, a University of Guelph in-course bursary may be the answer. We'd be happy to meet with you to find a way to help.

The Ontario Student Assistance Program (OSAP) and Other Government Student Assistance Programs

osap.gov.on.ca

We'll help you with questions about the program or your application. OSAP applications are available on the OSAP website: osap.gov.on.ca. Students from other Canadian provinces or territories apply directly to the student financial aid program offered by your home province to receive government assistance. Visit your provincial/territorial government's website for detailed information.

450+

Work Study positions

150+

Undergraduate Research Assistantship positions

4,000+

part-time jobs

250+

Peer Helper positions

150+

positions in Residence Life



How much will it cost?

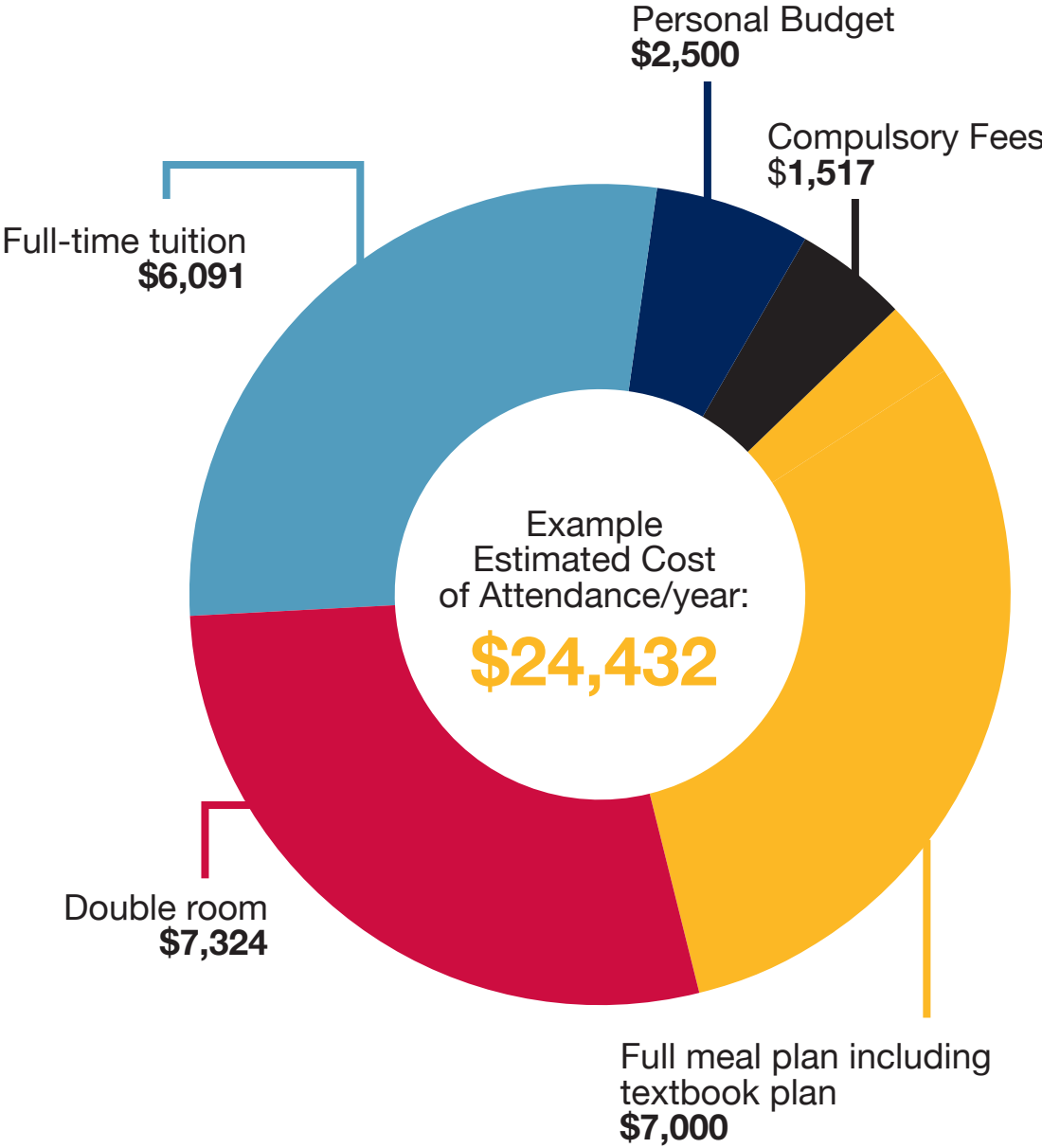
uoguelph.ca/studentfin

Fees per year:

Fee Type	Cost (two semesters)	Notes
Tuition for Ontario residents	\$6,091–\$11,286	Dependent on program.
Tuition for non-Ontario residents (within Canada)	\$6,395–\$11,850	Dependent on program.
Tuition for international students	\$30,317–\$43,848	Dependent on program.
Co-op Fee	\$600	Paid in addition to tuition.
Compulsory fees	\$1,517–\$1,675	Incl. health/dental plans*, academic support, athletics, health services and city transit pass.
Residence fees (2 semesters)	\$6,520–\$9,517	Includes ResNet internet service and laundry facilities. An additional Residence Activity Fee of approximately \$25 per semester (subject to change). Payment of fees is made on a semesterly basis. For more detailed information, visit housing.uoguelph.ca
Residence room types vary: singles, doubles, triples, quads, townhouses and suites.		
Meal Plan fees (2 semesters)	\$4,600–\$7,870	You receive half in September and the other half mid-December. For more detailed information, visit hospitality.uoguelph.ca
Meal plan types vary: Minimum, Light, Full, Plus, Varsity		

* Students can opt out of dental plan with proof of equivalent coverage

You pay for fees by semester, not all up front in September.



Note: These estimates are based on 2022/2023 figures and are subject to change. Costs vary from program to program and depend on your lifestyle. Fees are listed on a per year basis.



ONCE A GRYPHON, #FOREVERAGRYPHON

The U of G experience is about discovering who you're truly meant to be. And one thing's for sure: when you graduate, you'll always be part of the Gryphon family.

U of G: Your Sequel

Graduate Programs

graduatestudies.uoguelph.ca/programs/list/byprogram

Don't think sequels can be as good as the original? You haven't met our Grad Programs.

Sometimes, finding yourself at the U of Guelph means finding you want to stay. We pride ourselves on our exceptional undergrad experience — but we also know that for some students, it's just the beginning.

With one of the most comprehensive lists of graduate programs in Canada, U of G offers plenty of options for Gryphons to continue their studies.

At U of G, you can earn your graduate degree in the following areas:

- Accounting, GDip
- Animal Biosciences, MSc, PhD
- Art History and Visual Culture, MA
- Artificial Intelligence*, MASc, MSc
- Bioinformatics, MInf, MSc, PhD
- Biomedical Sciences, DVSc, MBS, MSc, PhD
- Biophysics, MSc, PhD
- Biotechnology, MBIOT
- Business Administration, MBA
- Capacity Development and Extension, MSc
- Chemistry, MSc, PhD
- Clinical Studies, DVSc, MSc
- Computational Sciences, PhD
- Computer Science, MSc, PhD
- Conservation Leadership, MCL
- Creative Writing, MFA
- Criminology and Criminal Justice Policy, MA
- Critical Studies in Improvisation, MA, PhD
- Cybersecurity and Threat Intelligence, MCTI
- Dairy Technology Management, MDTM
- Data Science, MDS
- Doctor of Veterinary Medicine/Master of Public Health combined degree program, DVM/MPH
- Economics, MA, PhD
- Engineering, MASc, MEng, PhD
- English, MA
- Environmental Sciences, MES, MSc, PhD
- European Studies, MA
- Family Relations and Applied Nutrition, MAN, MSc, PhD
- Food Safety and Quality Assurance, GDip, MSc
- Food Science, MSc, PhD

- Food, Agricultural and Resource Economics, MFARE, MSc, PhD
- French Studies, MA
- Geography, MA, MSc, PhD
- History, MA, PhD
- Human Health and Nutritional Sciences, MSc, PhD
- Integrative Biology, MSc, PhD
- International Development Studies*, MA, MSc, PhD, MFARE, MASc
- Landscape Architecture, MLA
- Latin American and Caribbean Studies, MA
- Leadership, MA
- Literary Studies/Theatre Studies in English, PhD
- Management, MSc, PhD
- Market Research, GDip
- Marketing and Consumer Studies, MSc
- Mathematics & Statistics, MSc, PhD
- Molecular and Cellular Biology, MSc, PhD
- Neuroscience*, MBS, MSc, PhD
- One Health*, MA, MASc, MBS, MEng, MES, MSc, MSc (Planning), PhD
- Pathobiology, DVSc, GDip, MSc, PhD
- Philosophy, MA, PhD
- Physics, MSc, PhD
- Plant Agriculture, MSc, PhD
- Political Science, MA, PhD
- Population Medicine, DVSc, MSc, PhD
- Project Management, MPM, GDip*
- Psychology, MA, MSc (Neuroscience & Applied Cognitive Science only), PhD
- Public Health, GDip, MPH
- Public Issues Anthropology, MA
- Regenerative Medicine*, DVSc, MASc, MBS, MSc, PhD
- Rural Planning and Development, MPlan, MSc (Planning)
- Rural Studies, PhD
- Sexualities, Gender and Bodies*, MA, MSc, PhD
- Social Practice and Transformational Change, PhD
- Sociology, MA, PhD
- Studio Art, MFA
- Theatre Studies, MA
- Tourism and Hospitality, MSc
- Tourism Research, GDip
- Toxicology*, MSc, MBS, PhD
- Veterinary Science, DVSc

*collaborative specializations

*Pending approval from the Ontario Universities Council on Quality Assurance.

Career Development

uoguelph.ca/ELHub

The Experiential Learning Hub supports all students and alumni as they plan for their career or further education.

We'll help you develop a personal career and/or education plan and teach you how to market yourself and your degree. We'll help you with job search skills, where to look for summer, part-time and post-graduation opportunities and, most importantly, how to succeed with your personal goals.

And then you graduate.

173,000+

U of G alumni live and work all over the world. What you'll quickly discover when you graduate is that the growth and experience gained here creates a lifelong bond that we all share. When you graduate you are **#foreverAGryphon**.

alumni.uoguelph.ca



Admission Services

admission.uoguelph.ca/connect-with-us

WHY IS EVERYONE TALKING ABOUT THIS PLACE?

Join us on campus for a tour, register for an event, follow us on social media and connect with current students. Then you'll know why everyone is talking about the University of Guelph.

Touring Campus

admission.uoguelph.ca/tours

We are excited to be offering in-person and virtual tour options!

In-person campus tours depart at 10am and 1:30pm, Monday-Saturday year round! (with the exception of exam periods and holidays). Reservations are required.

Your student-led tours are approximately 2 hours. Tours are general in nature, designed to include stops at notable campus landmarks, a lecture hall, athletic facilities, dining halls, the library, student residences and more!

Live **virtual guided tours** can also be booked at admission.uoguelph.ca/tours.

Events

admission.uoguelph.ca/events

Fall Preview Day | Sunday, November 6, 2022

Join us for our fall open house. Tour campus, chat with faculty, staff and students, and learn more about the U of G!

Science and Engineering Sunday | Sunday, November 13, 2022

Interested in sciences or engineering? Tour labs and academic buildings, meet faculty, staff and students and learn more about science and engineering!


Campus Day | Sunday, March 26, 2023


Join us Sunday, March 26, 2023 for our Spring Open House. Attend academic and student service sessions, tour campus and residence, and speak with faculty, staff and students. Don't miss this chance to visit U of G!


Connect with current students:


Chat online in real-time using UniBuddy
admission.uoguelph.ca/chat-current-u-g-student.

Follow us on social:

 UofGAdmission

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 UofGuelphAdmission



Contact us

Admission Services
University Centre, Level 3
50 Stone Road East
University of Guelph
Guelph, ON, N1G 2W1

519-824-4120
admission@uoguelph.ca
find.yourself@uoguelph.ca

**Check out the
interactive map!**



HOW WE'RE MANAGING COVID-19:

At the University of Guelph, the health and safety of our students, staff and faculty is our top priority.

The world has made great gains in fighting COVID-19 on a global scale and our Gryphons continue to do their part. While we may not know everything the future will bring, we do know that we will always put your well-being first while continuing to support your Gryphon experience. Our COVID-19 site has all the up-to-date information you and your family need. news.uoguelph.ca/covid-19/

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