

UNIVERSITY
of GUELPH

CHANGING LIVES
IMPROVING LIFE

UNIVERSITY OF GUELPH 2016

GRADUATE STUDIES



www.uoguelph.ca/graduatestudies

Join us for Graduate Studies Preview Day

Saturday, October 24, 2015
10:00am - 1:00pm

The University of Guelph in the
University Centre-Main Courtyard

- Explore Guelph's 90+ graduate programs
- Meet with faculty and staff to learn more about graduate programs and current research opportunities
- Speak with admissions and scholarship officers
- Listen to what current graduate students have to say about their program and their research

Sign up for a reminder email at: www.uoguelph.ca/graduatestudies

We can't wait to show you what we have to offer.

Learn more about our Graduate Faculty and Students

Interested in learning more about the research interests of graduate faculty and what our graduate students have to say about Guelph?

Visit us online at: www.uoguelph.ca/graduatestudies

Contact Us

Thank you for taking the time to research graduate studies at the University of Guelph.

If you have any questions please do not hesitate to contact us.

University of Guelph, 50 Stone Road East, Guelph, Ontario, N1G 2W1 Canada

519-824-4120 ext. 56833

www.uoguelph.ca/graduatestudies

Have questions?

gradapps@uoguelph.ca

Front cover photography

Cover - Will Martin

Inserts left to right:

Paige Vroom

Katherine Bishop

Mohammad Melebari

Environmental Savings

Using 320 lb. of Enviro Satin 80# text instead of virgin fibres paper on the inside of this booklet has the following environmental savings:



TREES
3



WATER
9,933 litres



AIR EMISSIONS
399 kg CO₂



SOLID WASTE
122 kg

welcome

to the University of Guelph
where we strive to make graduate
study one of the most rewarding
and stimulating periods in your life.

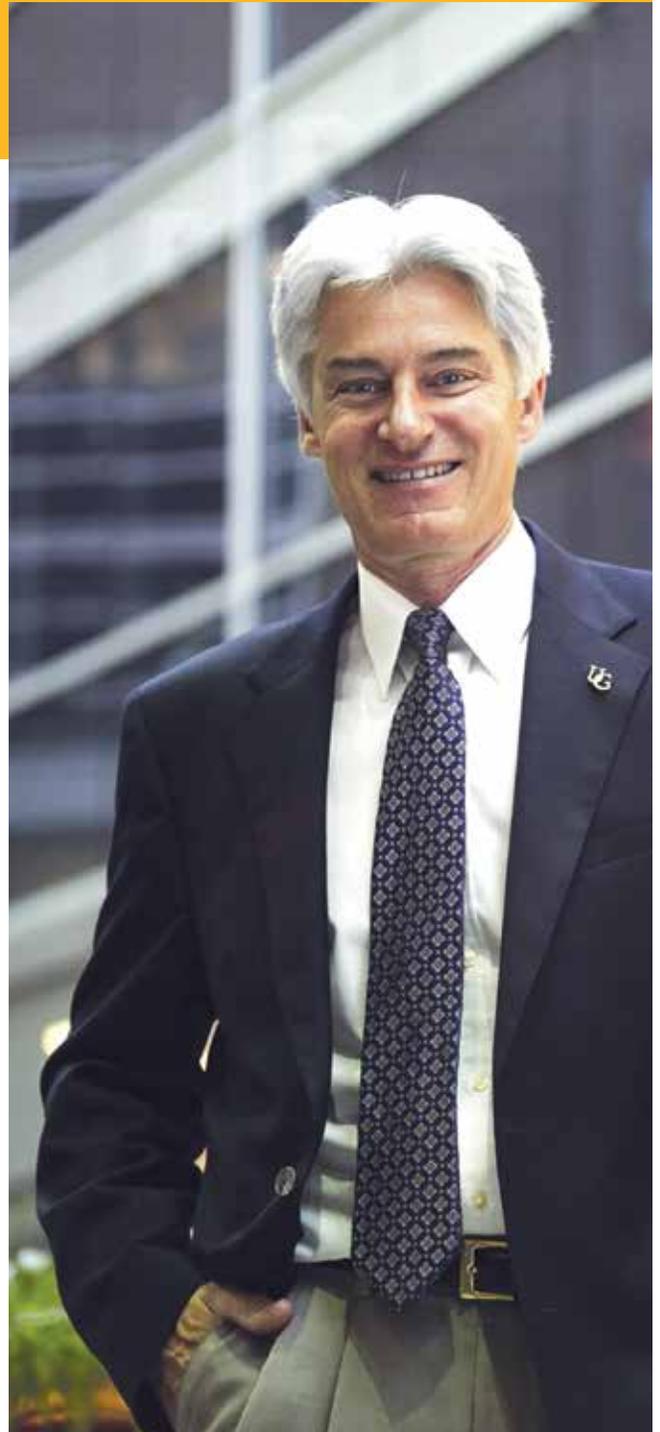
A leading research institution with specialized professional programs, the University of Guelph offers a unique environment for learning and living. Here, you will find an academic community that is committed to creating, transmitting and applying knowledge to improve the social, cultural and economic quality of life of people in Canada and around the world. Our graduate programs and our graduate students are central to achieving this vision. Graduate study at the University of Guelph is supported by internationally renowned faculty who are engaged in cutting-edge research and practice. You will have the opportunity to work closely with faculty members who are committed not only to their research but also to the development of their students as future researchers, educators and practitioners. As one of more than 2600 graduate students in over 90 graduate programs, you will find Guelph highly conducive to developing your own network of like-minded scholars and to making friends from around the world.

I am delighted that you have chosen to explore graduate opportunities at the University of Guelph. I encourage you to review our website, visit our vibrant campus to experience our inspiring and innovative community, and contact our faculty and staff to gain a better understanding of what it means to be a graduate student at Guelph. We are confident that as you learn more about the quality of our graduate programs, you will be eager to join us here at the University of Guelph.



Dr. Anthony Clarke
Assistant VP

Graduate Studies & Program Quality Assurance



Campus Life



"I love being a graduate student at the University of Guelph because I truly feel like I am part of a community. From the professors to my fellow students, it feels like a real community."

Angela Pavarin-DeLuca
Applied Human Nutrition, MSc Program



Campus

Our beautiful campus is located on 350 hectares of land in the heart of Guelph, Ontario. The self-contained campus is made up of charming traditional buildings and new facilities set amidst spectacularly landscaped grounds, phenomenal green space and the Arboretum creating an inspiring backdrop to complement your graduate experience.

Our Community

We are a friendly, open and caring community where all persons, regardless of their personal characteristics (age, race, gender, colour, sexual orientation, disability, ancestry, place of origin, ethnicity, citizenship, creed, marital status or family status), feels they are welcome and treated with dignity and respect.

Transportation

- Eligible Guelph students have unlimited access to the City of Guelph transit.
City of Guelph Transit: guelph.ca/living/getting-around/bus
- A flag stop for Greyhound buses is conveniently located on the University of Guelph campus: www.greyhound.ca
- Go Transit Bus/Train connect students to the Greater Toronto Area and Mississauga.



Bus/Train schedules can be found at www.gotransit.com

Housing

www.housing.uoguelph.ca

Students have a variety of affordable housing options. On-campus graduate students may choose to live in a furnished three-bedroom apartment or a graduate house. Graduate students who have families may choose to live in one of 200 competitively priced townhouse units. Off-campus, there are many reasonably priced housing options for students to choose from including: individual rooms, apartments and houses.



Reputation

Consistently ranked as one of Canada's top comprehensive Universities by *Maclean's Magazine*, the University of Guelph offers over 90 graduate programs all recognized as leaders conducting cutting-edge research in their respective field of study.



"University of Guelph truly strives to care for its students. They foster personal and academic development through a variety of student services."

Peter Park
Animal & Poultry Science, MSc Program

Athletics & Facilities

gryphons.ca

At Guelph you will find a wide range of athletic and recreational opportunities for use at your convenience. We have a variety of fitness and instructional classes, community leagues, recreational "drop-ins", sport specific clubs, intramural sports and varsity teams.

Twin Pad Arena

3 Gyms

Cardio Training Room

5 Dance/Multipurpose Studios

Indoor Fieldhouse with Running Track

Weight Training Room

2 Pools

5 Squash Courts

Health & Performance Centre

Stadium

Rock Climbing Wall

4 Beach Volleyball Courts

8 Lane outdoor Running Track

3 Softball Diamonds

4 Synthetic Turf Fields

2 Natural Grass Fields

Graduate Students' Association (GSA)

uoguelph.ca/gsa

As a full or part-time graduate student, you are a member of the Graduate Students' Association (GSA). Whether in negotiations with university administration, participation on various university committees, or through interaction with other student organizations on campus, the GSA ensures that the interests of graduate students are taken into consideration.

Graduate Student Learning Initiative (GLSI)

glsi.uoguelph.ca

The GLSI is a collaborative endeavour that brings together key campus services that support academic and professional skill development for graduate students as learners, instructors, researchers, and professionals.

Student Services

On-Campus Medical & Dental Facilities

Centre for Students with Disabilities

Safe Walk

On-Site Day Care

Learning Commons

Student Life

Counselling Services

Financial Services

Food Bank

Career Services

Alumni Affairs

Aboriginal Resource Centre

Library

Our students have access to an extraordinarily wide range of information through the main Library's electronic resources and our innovative partnership with the University of Waterloo and Wilfrid Laurier University. The Tri-University Group of Libraries (TUG) provides access to a total of 7 million volumes, including our own collection of 2.5 million volumes. Over 400 computers in the library give students access to books, periodicals, films, audiovisual and archival materials, government documents as well as maps.

Aboriginal Resource Centre (ARC)

Aboriginal Resource Centre (ARC) is committed to increasing the representation of First Nations, Métis and Inuit learners at the University of Guelph and promoting Aboriginal cultures and knowledge within the community. The ARC's caring staff, peer helpers and visiting Elders are in place to support the intellectual, spiritual, emotional and physical development of students. The ARC offers a wide range of services including bursary and scholarship information, cultural programming, connections to community and research support.

Graduate students will have the opportunity to work closely with faculty members who are committed not only to their research but also to the development of their students as future researchers, educators and practitioners.



Student-focused



Enjoy Life in Guelph



"Guelph is an amazing city! The university is conveniently located minutes away from the downtown core. The local people are very welcoming and student friendly. The community also prides itself on volunteering which I really like."

Joseph Varga
Molecular & Cellular Biology, MSc Program

Located in the heart of Southwestern Ontario (100 km west of Toronto), the City of Guelph offers the perfect setting to complement your graduate studies. Commonly ranked as one of the best places to live in Canada (*Money Sense Magazine*), Guelph prides itself on maintaining its small-town charm while providing urban amenities for families and single adults alike. The City of Guelph provides a perfect balance of academics and community.



Community



Photo by: Will Martin

City of Guelph attractions:

Arboretum: <http://www.uoguelph.ca/arboretum>

City of Guelph: www.guelph.ca

City of Guelph Farmers' Market: www.guelphfarmersmarket.com

Donkey Sanctuary: www.thedonkeysanctuary.ca

Guelph Arts Council: <http://guelpharts.ca>

Guelph Lake Conservation Area: www.grandriver.ca

John McCrae House: <http://guelphmuseums.ca/venue/mccrae-house>

MacDonald Stewart Art Centre: www.uoguelph.ca/msac

River Run Centre: www.riverrun.ca

Sleeman Centre: guelph.ca/sleeman

Attractions close to Guelph include:

African Lion Safari: www.lionsafari.com

City of Toronto: www.toronto.ca

Elora Gorge: www.grandriver.ca

Rockwood Conservation Area: www.rockwoodheaven.com

St. Jacob's Farmers' Market: www.stjacobs.com/farmers-market

With just over 121,000 people, Guelph is a vibrant community and home to a lively downtown core, a thriving cultural community, diverse recreational activities, numerous shopping facilities and a variety of special events.



Photo by: Mohammad Melebari

City/Campus Events

March	College Royal	3MT (3 Minute Thesis)
July	Festival Italiano	Hillside Music Festival
	Multicultural Festival	Art on the Street
September	Guelph Jazz Festival	
	World Record to Fight Hunger	
October	Graduate Studies Preview Day – October 24	
November	Fair November	

Map of Ontario – Campus Locations



"What makes the University of Guelph unique is that you are more than a number. Faculty members make a genuine effort to learn who you are, what interests you and what goals you wish to accomplish. In addition, graduate classes are small, very interactive, and challenging. This combination makes Guelph an ideal institution to complete graduate studies."

Danielle Sutton
Sociology, PhD Program

Our faculty members are committed to providing a personalized approach to learning for their graduate students. In addition to making themselves readily available for consultations with students, faculty members conduct leading-edge research, use innovative teaching methods, are well-connected within their professional communities and are committed to student success.



Faculty

Admission Requirements & Application Process

Master's Degree

Applicants are required to have completed a four-year Honours degree, or equivalent, from a recognized post-secondary institution with a minimum B- average over the last two years of full-time equivalent study.

Doctoral Degree

Applicants are usually required to have completed a Bachelor's and a Master's degree from a recognized post-secondary institution and must have achieved a minimum overall B average in their Master's program. Applicants must also demonstrate strong potential for research.

Graduate Diploma

Applicants are required to have completed a four-year Honours degree or equivalent from a recognized post-secondary institution with a minimum of a B- average over the last two years of full-time equivalent study.

Additional Admission Requirements

- Applicants whose first language is not English are required to present a passing English Language test (see page 9).
- Some departments may have additional or higher admission qualifications. We recommend that you visit the program/department website for program specific admission requirements.

How to Apply

Applicants who are interested in applying to a graduate program at the University of Guelph must apply online at: <http://horizon.ouac.on.ca/guelph/grad>

Application Fee

The application fee to most graduate programs at the University of Guelph is \$110 (MBA and MA (Leadership) application fee is \$150).

Within 5 business days, the applicant will receive their WebAdvisor log in information. They must log in to WebAdvisor and upload all required application documents (some departments require additional documents that must be sent directly to the department – see department website for details).

Within 5 business days, (after submitting and paying the application fee) the references listed on your application will be sent an email requesting a reference on your behalf.

Deadlines to Apply

Application deadlines and entry dates vary by program. Some programs admit students in each semester, while others have one entry semester each year. We encourage students to apply as soon as possible and recommend international students apply nine to twelve months in advance of their start date. Please review program application requirements for further details.

Application Checklist

We encourage students to:

- **Investigate** program options,
- **Review** minimum admission requirements and deadlines,
- **Make contact** with program/department (see departmental website),
- **Complete** the English Language test (if required),
- **Apply online** at the Graduate Studies Website before the program deadline,
- **Pay** the application fee,
- **Log in to WebAdvisor** and upload all required application materials on your checklist (see department website for any additional admission requirements applicants may be required to send some application materials directly to the department),
- **Admission Decision** you will be notified by email once a decision has been made on your application,
- **Submit** your response to your offer of admission prior to the admission response deadline,
- **Obtain** a Study Permit (Student Visa if necessary), www.cic.gc.ca

At the Master's level, students have the opportunity to complete: coursework (with or without a major research project/paper), a thesis, or, may be eligible to transfer into a Doctoral program. Specialized Graduate Diplomas are also offered. See our program website for details regarding degree options.

Degree Options

Photo by: Mohammad Melebari

International Students

Applying to Guelph

We recommend international applicants apply a minimum of 9-12 months in advance of their start date.

English Proficiency

If your first language is not English, you are required to submit the results of a standardized language test. Please see the chart below for acceptable tests and required scores.

English Language Certificate Program www.eslguelph.ca

The University of Guelph offers an English language program for international students wishing to apply to graduate studies. Successful completion of the advanced level of this program meets the English language requirement for admission to graduate studies.

English Language Requirement Chart

	Minimum Overall Score
University of Guelph English Language Certificate (ELCP)	Advanced Level
Canadian Academic English Language Assessment (CAEL)	60
International English Language Testing System (IELTS) (Academic Test)	6.5
Michigan English Language Assessment Battery (MELAB)	85
Pearson Test of English Academic (PTE-A) Note: A minimum score of 60 in each of the individual components	60
Test of English as a Foreign Language (TOEFL)	50
Paper Based Test (PBT) Note: A minimum score of 21 must be achieved in each of the four categories (listening, speaking, reading, writing)	89



"One of the best things about my graduate experience at Guelph is the great warmth, guidance and concern I have received from my advisor as well as my advisory committee. Their readiness to counsel and level of knowledge has been amazing."

Ernest Damalie – Ghana
Food, Agricultural & Resource Economics MSc

International Student Barometer (ISB)

For three consecutive years, U of G has received top marks among other Canadian universities participating in this survey for its exceptional living and learning environments. When surveyed, our international students gave us the highest overall average!

The University of Guelph ranked No. 1 in Canada for overall learning, living and student support in the 2013 International Student Barometer.

International Credential Evaluation

International students can use the International Credential Evaluation Guideline as a reference for gaining a better understanding of how we assess grades and degrees from around the world.

www.uoguelph.ca/graduatestudies/credguide

More than 550 international graduate students from over 80 countries call the University of Guelph home.



Global Perspective

Photo by: Adam Moms

Funding & Scholarships

Planning for financial support is very important as you prepare for the next stage of your education as a graduate student. Graduate students are encouraged to actively seek scholarship opportunities and assistance which contributes to funding the student's graduate program.

Departmental Stipends

Every new full-time Doctoral student (Canadian or International) is guaranteed a minimum stipend of \$17,500 per year for 3 years; many programs offer higher levels of support. Master's stipends are offered at the discretion of each department. Graduate students at the University of Guelph are a vital part of the research and teaching community and many opportunities are available for Graduate Research, Graduate Teaching and Graduate Service Assistantships.

Federal Scholarships

Plan ahead! We encourage students to apply for a variety of external awards to supplement their funding. New and in-course students are encouraged to apply for federal level scholarship competitions, which are held each fall. Guelph students who are successful in winning NSERC, SSHRC, or CIHR will be awarded the Dean's Tri-Council Scholarships valued at \$5,000 per year. Visit our website to view internal deadlines and check out the websites listed below for complete competition details.

www.uoguelph.ca/graduatestudies/finance/extawards

- Canadian Institutes of Health Research (CIHR) www.cihr-irsc.ca
- Natural Sciences and Engineering Research Council (NSERC) www.nserc-crsng.gc.ca
- Social Sciences and Humanities Research Council (SSHRC) www.sshrc-crsh.gc.ca
- Vanier Canada Graduate Scholarships www.vanier.gc.ca

Prospective students interested in applying for Federal/Provincial Scholarships are encouraged to review the application process and deadlines one year in advance.

Provincial Scholarships

Be sure to check out the following awards, which are offered in conjunction with the Ontario Government. For complete details, visit the Graduate Studies website.

www.uoguelph.ca/graduatestudies

- Ontario Graduate Scholarship (OGS)
- Ontario Trillium Scholarship (OTS)
- Ontario Graduate Fellowship (OGF)
- Queen Elizabeth II Graduate Scholarships in Science and Technology (QEII-GSST)

Internal University-Wide Awards

The University reserves the right to amend awards subject to the availability of funds.

Highlights:

- Nora Cebotarev Memorial Graduate Scholarships, \$25,000 over 2 years
- Dairy Farmers of Ontario Doctoral Research Assistantships, up to \$20,000 per year for 3 years
- Highdale Farms, \$14,000 over 2 years
- International Graduate Tuition Scholarship, up to \$9,000 per year
- Graduate Tuition Scholarship, \$8,000 per year for up to 4 years

To access all of our internal awards and bursaries, please visit the Graduate Awards Search:

www.uoguelph.ca/registrar/studentfinance/index.cfm?app=gawards

Internal College Scholarships

Each of the seven colleges at the University of Guelph offers a variety of scholarships.



Graduate Funding

The success rate of Guelph students who apply for funding from the Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC) and the Ontario Graduate Scholarship (OGS) program is consistently high.

Cost of Living & Tuition Fees

Costs

The following outline is an itemized list of expenses for a typical domestic graduate student for one calendar year (12 months). These costs are estimates and should only be used as a guideline. The costs incurred by a student vary depending on many factors including, but not limited to, your lifestyle, whether you are supporting family members, and the program to which you are admitted. Computer expenses are not included in this guideline. Costs are in Canadian dollars and are subject to change at any time.

Domestic Student Expense Guideline

Expense	Cost	
Tuition – Full-time	\$7,542*	
Compulsory Fees (Dental, drug plan, etc.)	\$1,500	
	Estimated Minimum	Estimated Maximum
Room & Board	\$10,000	\$14,000
Transportation	\$500	\$3,000
Books & Supplies	\$800	\$2,000
Miscellaneous	\$1,200	\$3,800
TOTAL	\$21,542	\$31,842

*Tuition fees vary for Executive Business programs.



“There are plenty of opportunities within my department for Teaching Assistantships, as well as industry partners to collaborate with.”

James Desouza
Food Science, MSc Program

International Student Expense Guideline

Expense	Cost	
Tuition – Full-time	\$18,655*	
Compulsory Fees (Dental, drug plan, etc.)	\$1,500	
Health Insurance (single)	\$612	
	Estimated Minimum	Estimated Maximum
Room & Board	\$10,000	\$14,000
Transportation	\$500	\$3,000**
Books & Supplies	\$800	\$2,000
Personal Costs	\$1,200	\$3,800
TOTAL	\$33,267	\$43,567

*Cost of tuition varies for executive business programs.

**Additional expenses to consider may include travel to or within Canada.

Are you a fully-funded international student? These faculty members want you!

www.uoguelph.ca/graduatestudies/future/faifs

For the most up-to-date information about tuition fees please review the Student Financial Services website:

www.uoguelph.ca/registrar/studentfinance/index.cfm?fees/guelph_gr

Interested in attaining some hands-on experience? Many graduate programs have strong connections with industry, allowing students to attain experience and professional networking opportunities during their program.



Field Work

Photo by: Mohammad Melebari

University of Guelph Graduate Programs

www.uoguelph.ca/graduatestudies

Animal & Poultry Science	MSc ●● PhD ●
Applied Nutrition	MAN ●
Art History Visual Culture	MA ●●
Bioinformatics	MSc ● MBNF ● PhD ●
Biomedical Sciences	MSc ● MBS ● PhD ● DVSc ●
Biophysics	MSc ● PhD ●
Business Administration	MBA ●
Food & Agribusiness Management	
Hospitality & Tourism Management	
Sustainable Commerce	
Capacity Development & Extension	MSc ●●
Chemistry	MSc ●● PhD ●
Clinical Studies	MSc ●● DVSc ● GDip. ●
Computational Sciences	PhD ●
Computer Science	MSc ●
Creative Writing	MFA ●
Criminology & Criminal Justice Policy	MA ●
Economics	MA ●● PhD ●
Engineering	MEng ● MAsc ● PhD ●
Engineering Design of Sustainable Water Resource Systems	GDip. ●
Modeling Applications in Water Resources Engineering	GDip. ●
English	MA ●●
Environmental Sciences	MSc ● MES ● PhD ● GDip. ●

European Studies	MA ●
Family Relations & Applied Nutrition	MSc ●● PhD ●
Food, Agricultural & Resource Economics	MSc ●● PhD ●
Food Safety & Quality Assurance	MSc ● GDip. ●
Food Science	MSc ● PhD ●
French Studies	MA ●
Geography	MA ●● MSc ●● PhD ●
History	MA ●● PhD ●
Human Health & Nutritional Sciences	MSc ●● PhD ●
Integrative Biology	MSc ● PhD ●
International Development Studies	MA ●● MSc ●● PhD ●
Landscape Architecture	MLA ●
Latin American & Caribbean Studies	MA ●●
Leadership Studies	MA (Leadership) ●
Literary Studies/Theatre Studies in English	PhD ●
Management	MA ●* PhD ●
Marketing & Consumer Studies	MSc ●
Market Research	GDip. ●
Mathematics & Statistics	MSc ●● PhD ●
Molecular & Cellular Biology	MSc ● PhD ●
Neuroscience	MSc ●● PhD ●
Pathobiology	MSc ● PhD ● DVSc ● GDip. ●
Philosophy	MA ●● PhD ●

LEGEND: Study Options

- Thesis-based
- Course-based (may include Major Research Project/Paper)
- Course-based (no research requirement)
- Graduate Diploma
- Collaborative Program: Can be added to departmental degree (not stand alone programs)
- * Pending approval

Physics	MSc ●● PhD ●
Plant Agriculture	MSc ● PhD ●
Political Science	MA ●● PhD ●
Population Medicine	MSc ●● PhD ● DVSc ●
Psychology	MA ● MSc ● PhD ●
Public Health	MPH ●
Public Issues Anthropology	MA ●●
Rural Planning & Development	MSc (Planning) ●● MPlan ●
Rural Studies	PhD ●
Sociology	MA ●● PhD ●
Studio Art	MFA ●
Theatre Studies	MA ●●
Tourism	GDip. ●
Tourism & Hospitality	MSc ●
Toxicology	MSc ●● PhD ●
Veterinary Science	DVSc ●

Have questions? Please contact the Office of Graduate Studies
gradapps@uoguelph.ca or 519-824-4120 ext. 53446