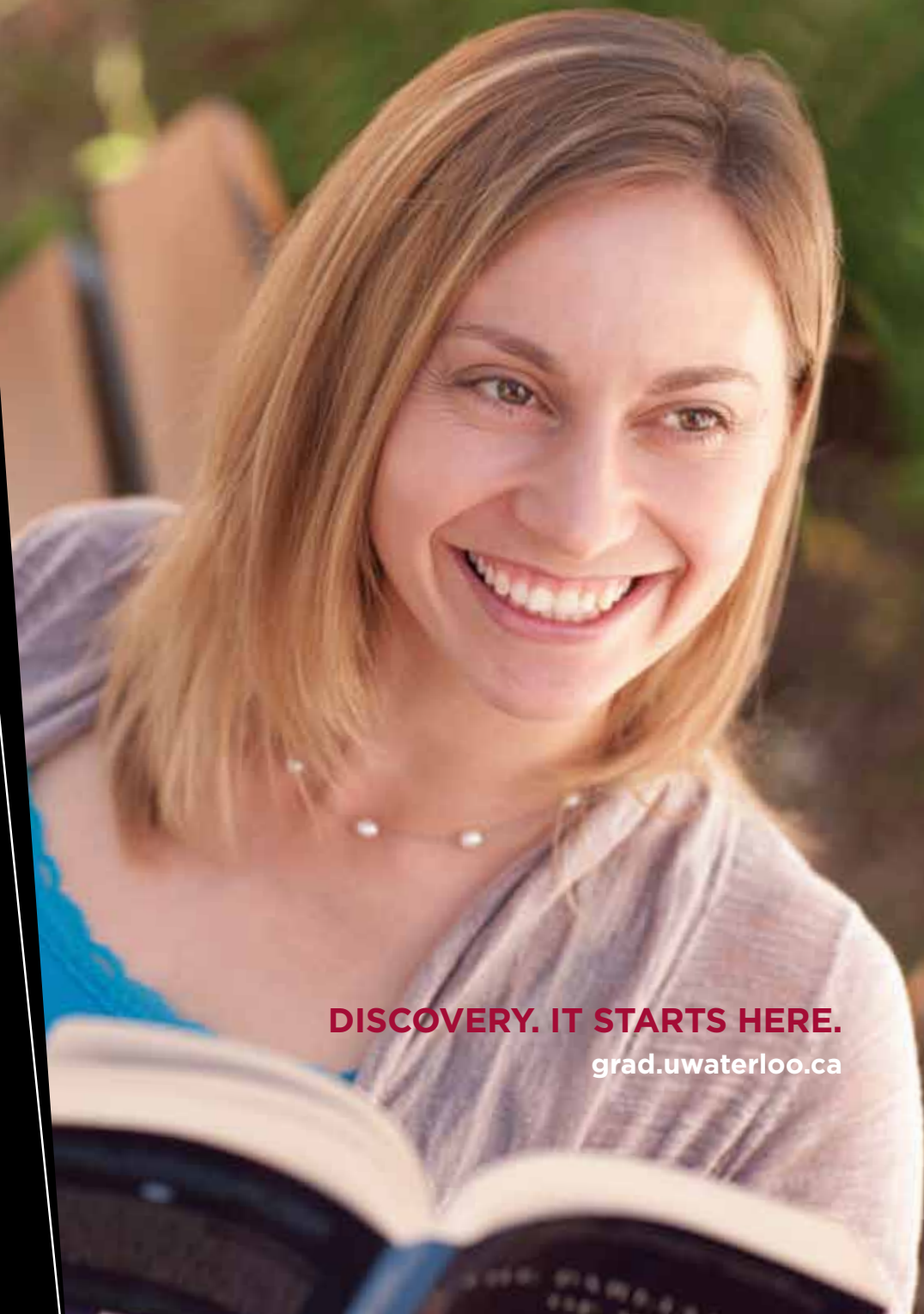


WATERLOO

UNIVERSITY OF WATERLOO » 2012

# GRADUATE STUDIES



**DISCOVERY. IT STARTS HERE.**

[grad.uwaterloo.ca](http://grad.uwaterloo.ca)

# REDEFINE DISCOVERY

**The University of Waterloo. It's a place where graduate students develop original ideas...and are encouraged to run with them.**

Where world-renowned supervisors go above and beyond to offer assistance, advice and opportunities that connect to the world. A university where, as a researcher, you will actually *own what you discover.*

**Discover. Engage. Understand. Do it here at Waterloo.**



**DISCOVER TALENT** As a Kitchener, Ontario native, Kurt says he's thrilled he chose to stick close to home for his education. As a Physics PhD student, attending Waterloo for all his degrees has been an incredible opportunity to tap into some of the best minds in North America.

**“THERE ARE GREAT OPPORTUNITIES FOR COLLABORATION ON CAMPUS, AND IT IS OFTEN POSSIBLE TO WORK TOGETHER WITH OTHERS OUTSIDE MY DEPARTMENT OR FACULTY. THERE'S ALWAYS AN EXPERT AT WATERLOO WHO IS VERY OPEN AND WILLING TO SOLVE PROBLEMS TOGETHER.”**

- KURT SCHREITER, PHYSICS PhD STUDENT

**ON THE COVER** When Manjana went looking to start her PhD, she investigated universities around the world. Until she discovered Waterloo – and knew it was the perfect fit for her unconventional research. Examining how climate negotiators make decisions, her work combines fields as diverse as international relations, global governance, social psychology and even cognitive sciences.

**“AT WATERLOO, I'M ABLE TO USE METHODS THAT ARE NOT QUITE CONVENTIONAL OR STANDARD FOR MOST SCHOOLS. IT ALLOWS A LOT MORE CREATIVITY.”**

- MANJANA MILKOREIT, GLOBAL GOVERNANCE PhD STUDENT

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**“HERE, MY RESEARCH BELONGS TO ME.”**

- **SOSPETER GATOBU**, HEALTH STUDIES AND GERONTOLOGY PhD STUDENT

» **MORE THAN 150 MASTER'S AND DOCTORAL DEGREE PROGRAMS FOR RESEARCH-BASED AND PROFESSIONAL FIELDS**

» **OVER 60 PART-TIME MASTER'S PROGRAMS**

## STUDY HERE

**Serious about increasing your knowledge and furthering your studies? Want to develop ideas to create positive global change? Think Waterloo.**

Located at the heart of Canada's Technology Triangle, you'll study alongside more than 4,400 other graduate students and have access to one of the most innovative universities in the country. With our strong history of embracing connections to the world, we encourage enterprising partnerships in learning, research and discovery.

Professors and graduate students retrain rights to the intellectual property they develop. It's just one more way Waterloo drives entrepreneurial spirit forward.

### UNIVERSITY OF WATERLOO LOCATIONS

- » The University's main campus is located in **Waterloo**, Ontario.
- » The **School of Pharmacy** is located in Kitchener – 5 km from the main campus.
- » The **School of Architecture** is located in Cambridge – 24 km from the main campus.
- » Our **Stratford** campus, which focuses on digital media and global business, is 45 km from the main campus.
- » An environmental research and teaching centre is located in **Huntsville**, 305 km from the main campus.
- » Waterloo also has campuses in Rome, **Italy**; Dubai, **UAE**; and Nanjing, **China**.

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## LIVE HERE

**Home to 2 universities and a college, the city of Waterloo, population 121,700, is known for its forward-thinking vision.**

The BlackBerry®, Google enhancements and other innovative ideas and technological achievements are developed right here. No wonder Waterloo has been named a World's Most Intelligent Community. Waterloo is a safe, student-focused city with one of the youngest populations in Canada. Plus, we're only 100 km away from metropolitan Toronto.

Want to live close to your office or lab? Our graduate housing is located within walking distance to campus. The Columbia Lake Village community offers graduate students and those with families a comfortable, safe and convenient townhouse-type residences. Or, if you would rather live in the Kitchener-Waterloo community, our Off-Campus Housing office is available to help you find housing to meet your needs and budget.

[housing.uwaterloo.ca](http://housing.uwaterloo.ca)

**“WATERLOO HAS THE FEEL OF A SMALL UNIVERSITY TOWN, BUT AT THE SAME TIME WE'RE A REAL CITY. WE HAVE EVERYTHING HERE. IT'S A GREAT PLACE TO BE.”**

- **KURT SCHREITER**, PHYSICS PhD STUDENT

### AFFORDABLE LIVING

**AVERAGE MONTHLY RENT FOR A ONE-BEDROOM APARTMENT:**

» **TORONTO: \$969**

» **VANCOUVER: \$934**

» **WATERLOO REGION: \$741**

SOURCE: CANADA MORTGAGE AND HOUSING CORPORATION

WATERLOO

# TAKE THE NEXT STEP



## HOW TO APPLY

Once you identify the program(s) you wish to apply to, applying online is a two-part process:

- 1. Complete the online application.** Go to [grad.uwaterloo.ca/apply.html](http://grad.uwaterloo.ca/apply.html), pay your \$100 CAD application fee, and submit your application.
- 2. Upload your documents.** Within a few days of applying, you will receive an email containing instructions on how to upload your application documents (i.e. transcripts and degree certificates, supplementary information forms, test scores) to your file. Referees are emailed instructions on completing an electronic Confidential Reference Form. Once your file is complete, the department will review your file for admission.

## ADMISSIONS REQUIREMENTS

Like the thousands of graduate students who call Waterloo home, the university has high academic expectations to drive academic excellence and make a difference in the world. The minimum requirement for admission to a master's program is a 75 per cent overall standing in the last 2 years of a four-year bachelor's degree program from an approved university or college.

Admission to a PhD program requires a minimum 75 per cent overall standing in your previous degree. Candidates must also demonstrate other superior qualifications, such as advanced research ability. Some departments admit directly into the PhD program from a four-year bachelor's degree, although most admit from the master's. Departments and faculties may set higher admission requirements. See admission chart on pages 6-13 for application requirements and deadlines.

## ENGLISH LANGUAGE REQUIREMENTS

If you were educated outside of Canada in a country where English is not the official language, you may need to provide English Language Proficiency certification (for example; minimum ib-TOEFL = 90). For more details: [gradcalendar.uwaterloo.ca/page/GSO-ELP](http://gradcalendar.uwaterloo.ca/page/GSO-ELP).

## STUDY AND LIVING COSTS

### TUITION AND FEES (4 MONTH TERM)

	DOMESTIC	INTERNATIONAL
Tuition (some programs may have higher fees)	\$2,274	\$5,580
Incidentals and compulsory fees	\$328	\$328
University Health Insurance Plan (UHIP) (mandatory)		\$240
<b>TOTAL</b>	<b>\$2,602</b>	<b>\$6,126</b>

### LIVING COSTS (4 MONTH TERM; SINGLE PERSON)

	DOMESTIC AND INTERNATIONAL
Housing (room/one bedroom apartment)	\$2,500-\$3,000
Books and supplies (varies by course and program)	\$500-\$1,000
Food	\$1,500-\$2,000
Other (transportation, entertainment, personal)	\$1,500-\$2,000
<b>TOTAL</b>	<b>\$6,000-\$8,000/TERM</b>

All costs are in Canadian dollars (CAD).

## SCHOLARSHIPS

Waterloo is committed to providing financial opportunities and support for all students. Opportunities include:

- » **University of Waterloo Scholarships**
- » **Research Assistantships/Research Studentships**
- » **Teaching Assistantships**
- » **Funding for Doctoral Students**  
Guaranteed financial support for doctoral students will be a minimum of \$19,650 annually. This applies to the first 3 years of full-time enrolment in a PhD program.
- » **International Master's and Doctoral Student Awards (IMSA/IDSA)**

## PRESIDENT'S GRADUATE SCHOLARSHIP

- » Offers up to **\$10,000** yearly top-up funding for students holding prestigious awards from Canada's 3 research granting agencies (CIHR, NSERC and SSHRC) and OGS (Ontario Graduate Scholarships).

# GRADUATE PROGRAMS

## OUR PROGRAMS FIT YOUR INTERESTS

Waterloo is known for innovation and giving students the freedom for academic exploration, whatever the topic. Whether you're pursuing your Master's, PhD or a Graduate Diploma, there are more than 150 graduate programs to choose from.

PROGRAMS	DEGREES	MINIMUM AVERAGE	ENTRY POINT			ENTRY POINT			ADDITIONAL APPLICATION REQUIREMENTS	PART-TIME	COURSE WORK	MAJOR RESEARCH PROJECT	THESIS	AREAS OF SPECIALIZATION	DEPARTMENTAL WEBSITE
			FALL	WINTER	SPRING	FALL	WINTER	SPRING							
			Application Deadlines						All programs require: transcripts, references, supplementary information form						
			Domestic Students			International Students				Study Options					
<b>Accounting</b>	PhD	80	January 15			January 15			Résumé, GMAT	X			X		<a href="http://saf.uwaterloo.ca/phd">saf.uwaterloo.ca/phd</a>
<b>Actuarial Science</b>	MMath	78	February 1		December 1	February 1		December 1	Résumé	X	X		X		<a href="http://sas.uwaterloo.ca">sas.uwaterloo.ca</a>
	PhD	83	February 1		December 1	February 1		December 1	Résumé				X		
	MActSc	83	February 1			February 1			Résumé		X				
<b>Ancient Mediterranean Cultures</b>	MA	78	January 31			January 31			Résumé, writing sample			X	X		<a href="http://classics.uwaterloo.ca/grad.htm">classics.uwaterloo.ca/grad.htm</a>
<b>Anthropology (Public Issues)</b>	MA	75	February 1			February 1				X		X	X		<a href="http://anthropology.uwaterloo.ca/MAProgram.html">anthropology.uwaterloo.ca/MAProgram.html</a>
<b>Applied Mathematics</b>	MMath	78	January 15	Contact department		January 15	Contact department			X	X	X	X	Control and Dynamical Systems; Fluid Mechanics; Mathematical Medicine and Biology; Mathematical Physics; Scientific Computation	<a href="http://math.uwaterloo.ca/AM_Dept/grad">math.uwaterloo.ca/AM_Dept/grad</a>
	PhD	78	January 15	Contact department		January 15	Contact department			X			X		
<b>Applied Mathematics (Quantum Information)</b>	MMath	78	January 15	June 1	October 1	January 15	June 1	October 1		X			X		<a href="http://iqc.uwaterloo.ca/welcome/graduate/applied-mathematics">iqc.uwaterloo.ca/welcome/graduate/applied-mathematics</a>
	PhD	78	January 15	June 1	October 1	January 15	June 1	October 1		X			X		
<b>Architecture</b>	MArch	75	June 1	October 1	February 1	June 1	October 1	February 1	Résumé, portfolio				X		<a href="http://architecture.uwaterloo.ca">architecture.uwaterloo.ca</a>
<b>Biology</b>	MSc	75	July 1	November 1	March 1	June 1	October 1	February 1	Résumé	X			X	Bioinformatics, Systematics and Evolution; Ecology and Environmental Biology; Microbiology; Molecular Genetics; Physiology, Cell and Developmental Biology	<a href="http://biology.uwaterloo.ca/graduate">biology.uwaterloo.ca/graduate</a>
	PhD	75	July 1	November 1	March 1	June 1	October 1	February 1	Résumé	X			X		
<b>Biology (Nanotechnology)</b>	MSc	75	July 1	November 1	March 1	June 1	October 1	February 1	Résumé	X			X		<a href="http://biology.uwaterloo.ca/graduate">biology.uwaterloo.ca/graduate</a>
	PhD	75	July 1	November 1	March 1	June 1	October 1	February 1	Résumé	X			X		
<b>Business, Entrepreneurship and Technology</b>	MBET	75	March 1			March 1			Résumé, one year prior work experience, interview		X				<a href="http://cbet.uwaterloo.ca/mbet">cbet.uwaterloo.ca/mbet</a>
<b>Catholic Thought (St. Jerome's University)</b>	MCT	75	May 31	September 15	January 31	May 31	September 15	January 31		X		X			<a href="http://sju.ca/courses_programs/MCT.html">sju.ca/courses_programs/MCT.html</a>
<b>Chemical Engineering</b>	MASc	75	July 1	November 1	March 1	May 15	September 15	January 15	Résumé	X			X	Biochemical and Biomedical Engineering; Green Reaction Engineering; Interfacial Phenomena; Colloids and Porous Media; Nanotechnology; Polymer Science and Engineering; Process Systems Engineering; Separation Process	<a href="http://chemeng.uwaterloo.ca/graduate">chemeng.uwaterloo.ca/graduate</a>
	PhD	80	July 1	November 1	March 1	May 15	September 15	January 15	Résumé	X			X		
	MEng	75	July 1	November 1	March 1	May 15	September 15	January 15	Résumé	X	X				
<b>Chemical Engineering (Nanotechnology)</b>	MASc	75	July 1	November 1	March 1	May 15	September 15	January 15	Résumé				X		<a href="http://chemeng.uwaterloo.ca/graduate">chemeng.uwaterloo.ca/graduate</a>
	PhD	80	July 1	November 1	March 1	May 15	September 15	January 15	Résumé				X		
<b>Chemistry</b>	MSc	75	Deadlines vary; contact department directly.			Deadlines vary; contact department directly.				X	X		X	Analytical Chemistry; Biological Chemistry or Biochemistry; Inorganic Chemistry; Nanoscience; Organic Chemistry; Physical Chemistry; Polymer Chemistry; Theoretical Chemistry	<a href="http://chemistry.uwaterloo.ca/graduate">chemistry.uwaterloo.ca/graduate</a>
	PhD	75								X			X		
<b>Chemistry (Nanotechnology)</b>	MSc	75	Deadlines vary; contact department directly.			Deadlines vary; contact department directly.					X		X		<a href="http://chemistry.uwaterloo.ca/graduate">chemistry.uwaterloo.ca/graduate</a>
	PhD	75									X		X		
<b>Chemistry (Quantum Information)</b>	MSc	75	January 15	June 1	October 1	January 15	June 1	October 1		X			X		<a href="http://iqc.uwaterloo.ca/welcome/graduate/chemistry">iqc.uwaterloo.ca/welcome/graduate/chemistry</a>
	PhD	75	January 15	June 1	October 1	January 15	June 1	October 1		X			X		
<b>Civil Engineering</b>	MASc	75	July 1	November 1	March 1	May 1	September 1	January 15	Résumé	X			X	Environmental and Water Resource Engineering; Geotechnical Engineering; Structures, Mechanics and Construction Engineering; Transportation Engineering	<a href="http://civil.uwaterloo.ca">civil.uwaterloo.ca</a>
	PhD	80	July 1	November 1	March 1	May 1	September 1	January 15	Résumé	X			X		
	MEng	75	July 1			Canadian and Permanent Residents Only			Résumé	X	X				
<b>Civil Engineering (Infrastructure Systems)</b>	MEng	75	July 1			May 1			Résumé		X				<a href="http://civil.uwaterloo.ca">civil.uwaterloo.ca</a>
<b>Civil Engineering (Nuclear Engineering)</b>	MEng	75	July 1			May 1			Résumé	Part-time only	X				<a href="http://civil.uwaterloo.ca">civil.uwaterloo.ca</a>
<b>Combinatorics and Optimization</b>	MMath	78	February 1	Contact department		February 1	Contact department			X	X		X	Algebraic Combinatorics; Continuous Optimization; Cryptography; Discrete Optimization; Graph Theory; Quantum Computing	<a href="http://math.uwaterloo.ca/co/graduate-students">math.uwaterloo.ca/co/graduate-students</a>
	PhD	89	February 1	Contact department		February 1	Contact department			X			X		
<b>Combinatorics and Optimization (Quantum Information)</b>	MMath	78	January 15	June 1	October 1	January 15	June 1	October 1		X			X		<a href="http://iqc.uwaterloo.ca/welcome/graduate/combinatorics-optimization">iqc.uwaterloo.ca/welcome/graduate/combinatorics-optimization</a>
	PhD	89	January 15	June 1	October 1	January 15	June 1	October 1		X			X		

# GRADUATE PROGRAMS CONTINUED

# CANADA'S #1 COMPREHENSIVE RESEARCH UNIVERSITY

- RESEARCH INFOSOURCE

PROGRAMS	DEGREES	MINIMUM AVERAGE	ENTRY POINT			ENTRY POINT			ADDITIONAL APPLICATION REQUIREMENTS	PART-TIME	COURSE WORK	MAJOR RESEARCH PROJECT	THESIS	AREAS OF SPECIALIZATION	DEPARTMENTAL WEBSITE	
			FALL	WINTER	SPRING	FALL	WINTER	SPRING								
			<b>Application Deadlines</b>						<b>All programs require: transcripts, references, supplementary information form</b>							
			<b>Domestic Students</b>			<b>International Students</b>				<b>Study Options</b>						
<b>Computational Mathematics</b>	MMath	78	March 1			March 1				X		X		<a href="http://math.uwaterloo.ca/navigation/CompMath">math.uwaterloo.ca/navigation/CompMath</a>		
<b>Computer Science</b>	MMath	78	December 1	June 1	October 1	December 1	June 1	October 1	Résumé, GRE (if educated outside of Canada/USA)	X	X	X	X	Algorithms and Complexity; Artificial Intelligence; Bioinformatics; Computational Statistics; Computer Algebra and Symbolic Computation; Computer Graphics; Cryptography, Security and Privacy; Databases; Formal Methods; Health Informatics; Human-Computer Interaction; Information Retrieval; Networks and Distribution Systems; Programming Languages; Quantum Computing; Scientific Computing; Software Engineering	<a href="http://cs.uwaterloo.ca/grad">cs.uwaterloo.ca/grad</a>	
	PhD	78	December 1	June 1	October 1	December 1	June 1	October 1	Résumé, GRE (if educated outside of Canada/USA)				X			
<b>Computer Science (Quantum Information)</b>	MMath	78	December 1	June 1	October 1	December 1	June 1	October 1	GRE (if educated outside of Canada/USA)	X	X	X	X	<a href="http://iqc.uwaterloo.ca/welcome/graduate/david-r.-cheriton-school-of-computer-science">iqc.uwaterloo.ca/welcome/graduate/david-r.-cheriton-school-of-computer-science</a>		
	PhD	78	December 1	June 1	October 1	December 1	June 1	October 1	GRE (if educated outside of Canada/USA)	X			X			
<b>Development Practice</b>	MDP	75	February 1			February 1			Résumé		X			<a href="http://environment.uwaterloo.ca/indev/MDP.html">environment.uwaterloo.ca/indev/MDP.html</a>		
<b>Digital Experience Innovation</b>	MDEI	78	July 1			July 1			Résumé		X	X		<a href="http://stratfordcampus.uwaterloo.ca/programs/mdei">stratfordcampus.uwaterloo.ca/programs/mdei</a>		
<b>Earth Sciences</b>	MSc	75	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X		X	X	Aqueous and Organic Hydrogeochemistry; Hydrogeology; Isotope Hydrology and Geochemistry; Solid Earth Sciences; Water Cycle Modelling	<a href="http://earth.uwaterloo.ca/graduate">earth.uwaterloo.ca/graduate</a>	
	PhD	75	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X			
<b>Economics</b>	MA	75	February 1			February 1			Writing sample, undergraduate statistics and calculus course	X	X	X	X	<a href="http://economics.uwaterloo.ca/grad/grad-studies.html">economics.uwaterloo.ca/grad/grad-studies.html</a>		
<b>Economics, Applied</b>	PhD	80	February 1			February 1			Writing sample, Master's degree in Economics	X			X	<a href="http://economics.uwaterloo.ca/grad/grad-studies.html">economics.uwaterloo.ca/grad/grad-studies.html</a>		
<b>Electrical and Computer Engineering</b>	MASc	78	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X	<a href="http://ece.uwaterloo.ca/Graduate">ece.uwaterloo.ca/Graduate</a>		
	PhD	83	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X			
	MEng	78	February 1	July 1	November 1	May 1	July 1	November 1	Résumé	X	X					
<b>Electrical and Computer Engineering (Nanotechnology)</b>	MASc	78	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X	<a href="http://ece.uwaterloo.ca/Graduate">ece.uwaterloo.ca/Graduate</a>		
	PhD	83	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X			
<b>Electrical and Computer Engineering (Quantum Information)</b>	MASc	78	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X	<a href="http://iqc.uwaterloo.ca/welcome/graduate/electrical-and-computer-engineering">iqc.uwaterloo.ca/welcome/graduate/electrical-and-computer-engineering</a>		
	PhD	83	February 1	July 1	November 1	February 1	July 1	November 1	Résumé	X			X			
<b>Electrical and Computer Engineering (Software Engineering)</b>	MASc	78	February 1	July 1	November 1	May 1	July 1	November 1	Résumé	Part-time only	X			<a href="http://ece.uwaterloo.ca/Graduate">ece.uwaterloo.ca/Graduate</a>		
<b>Electrical and Computer Engineering (Electric Power Engineering)</b> <small>available online</small>	MEng	78	May 1	September 1	January 1	May 1	September 1	January 1	Résumé	Part-time only	X			<a href="http://ece.uwaterloo.ca/Graduate">ece.uwaterloo.ca/Graduate</a>		
<b>English (Experimental Digital Media)</b>	MA	78	January 31			January 31				X		X		<a href="http://english.uwaterloo.ca/gradstudies.html">english.uwaterloo.ca/gradstudies.html</a>		
<b>English (Literary Studies)</b>	MA	78	January 31			January 31				X	X	X	X	<a href="http://english.uwaterloo.ca/gradstudies.html">english.uwaterloo.ca/gradstudies.html</a>		
<b>English (Rhetoric and Communication Design)</b>	MA	78	January 31			January 31				X	X	X	X	<a href="http://english.uwaterloo.ca/gradstudies.html">english.uwaterloo.ca/gradstudies.html</a>		
	PhD	85	January 31			January 31				X			X	Digital Design, Genres; Historical Literary Studies; Literary Theory and Discourse Analysis Rhetoric		
<b>Environment and Business</b> <small>available online</small>	MEB	75			February 1			February 1	Résumé, 3 years of business work experience, references (preferably one academic and one professional)	Part-time only	X			<a href="http://environment.uwaterloo.ca/business/about/MEB.html">environment.uwaterloo.ca/business/about/MEB.html</a>		
<b>Environment and Resource Studies</b>	MES	75	February 1			February 1			Résumé	X			X	Natural Resource Management; Sustainable Communities/Sustainable Societies; Understanding Ecosystems	<a href="http://environment.uwaterloo.ca/ers/grad">environment.uwaterloo.ca/ers/grad</a>	
<b>Fine Arts (Studio Art)</b>	MFA	75	January 15			January 15			Résumé, portfolio (slides)	X		X	X	Drawing; Electronic Imaging; Painting; Sculpture	<a href="http://finearts.uwaterloo.ca">finearts.uwaterloo.ca</a>	
<b>French</b>	MA	75	February 1	July 1	November 1	February 1	July 1	November 1	Résumé, writing sample in French	X	X	X	X	Cultural Studies in a Francophone Context; Early Modern French Literary Studies and Theory; Electronic Archiving, Editing and Publishing in a Francophone	<a href="http://french.uwaterloo.ca/grad">french.uwaterloo.ca/grad</a>	
	PhD	80	February 1	July 1		February 1	July 1		Résumé, writing sample in French	X			X			
<b>Geography</b>	MA	75	February 1	Contact department			February 1	Contact department			X		X	X	Environmental and Resource Management; Geomatics; Human Geography	<a href="http://environment.uwaterloo.ca/geography/grad">environment.uwaterloo.ca/geography/grad</a>
	MES	75	February 1				February 1				X		X	X		
	PhD	80	February 1				February 1							X		
	MSc	75	February 1				February 1				X			X		
<b>Geography (Tourism Policy and Planning)</b>	MES	75	February 1			February 1			Résumé, writing sample	X			X	<a href="http://environment.uwaterloo.ca/tourism">environment.uwaterloo.ca/tourism</a>		

# CANADA'S MOST INNOVATIVE UNIVERSITY - 19 YEARS IN A ROW

- MACLEAN'S NEWSMAGAZINE

## GRADUATE PROGRAMS CONTINUED

PROGRAMS	DEGREES	MINIMUM AVERAGE	ENTRY POINT			ENTRY POINT			ADDITIONAL APPLICATION REQUIREMENTS	PART-TIME	COURSE WORK	MAJOR RESEARCH PROJECT	THESIS	AREAS OF SPECIALIZATION	DEPARTMENTAL WEBSITE
			FALL	WINTER	SPRING	FALL	WINTER	SPRING							
			<b>Application Deadlines</b>						<b>All programs require: transcripts, references, supplementary information form</b>						
			<b>Domestic Students</b>			<b>International Students</b>				<b>Study Options</b>					
<b>German</b>	MA	75	February 1	Contact department		February 1	Contact department		Writing sample	X	X	X	X	Applied Linguistics/Second Language Acquisition	<a href="http://germanicandslavic.uwaterloo.ca/graduate/german_program.htm">germanicandslavic.uwaterloo.ca/graduate/german_program.htm</a>
	PhD	78	February 1			February 1			Writing sample	X			X	Literature and Film Studies	
<b>German Studies, Intercultural Global Governance</b>	MA	78; 80 (in German)	March 1			March 1			Résumé			X	Applied Linguistics/Second Language Acquisition, Literature/Media Studies	<a href="http://germanicandslavic.uwaterloo.ca/graduate/IGS_globalgovernance.uwaterloo.ca">germanicandslavic.uwaterloo.ca/graduate/IGS_globalgovernance.uwaterloo.ca</a>	
	PhD	80	January 15			January 15			Résumé, writing sample		X		Conflict and Security; Global Environment; Global Justice and Human Rights; Global Political Economy; Global Social Governance; Multilateral Institutions and Diplomacy		
<b>Health Informatics (Computer Science)</b>	MHI	78	Dec. 15	1-Jun	1-Oct	Dec-15	1-Jun	1-Oct	Résumé, GRE (if educated outside of Canada/USA),	X	X			<a href="http://hi.uwaterloo.ca">hi.uwaterloo.ca</a>	
<b>Health Studies and Gerontology</b>	MSc	75	February 1			February 1			Résumé, writing sample	X		X	Biology of Health; Gerontology as Related to Health; Health Behaviour	<a href="http://ahs.uwaterloo.ca/hsg">ahs.uwaterloo.ca/hsg</a>	
	PhD	75	February 1			February 1			Résumé, writing sample	X		X			
<b>Health Studies and Gerontology (Aging, Health and Well-Being)</b>	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/hsg">ahs.uwaterloo.ca/hsg</a>	
<b>Health Studies and Gerontology (Work and Health)</b>	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/hsg">ahs.uwaterloo.ca/hsg</a>	
	MA	75; 77 (in History)	February 1			February 1			Writing sample	X	X	X	X	<a href="http://history.uwaterloo.ca/Graduate">history.uwaterloo.ca/Graduate</a>	
<b>History</b>	PhD	83	February 1			February 1			Writing sample			X	Canadian History; Cold War Era History; Early Modern European History; Medieval History; Modern European History; Race and Class, Imperialism and Slavery; Scottish History; War and Society; World History	<a href="http://history.uwaterloo.ca/Graduate">history.uwaterloo.ca/Graduate</a>	
	MSc	75	February 1	Contact department		February 1	Contact department		Résumé, writing sample	X			X	Biomechanics; Neuroscience; Work Physiology	<a href="http://ahs.uwaterloo.ca/kin/graduate">ahs.uwaterloo.ca/kin/graduate</a>
<b>Kinesiology</b>	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/kin/graduate">ahs.uwaterloo.ca/kin/graduate</a>	
	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/kin/graduate">ahs.uwaterloo.ca/kin/graduate</a>	
<b>Kinesiology (Aging, Health and Well-Being)</b>	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/kin/graduate">ahs.uwaterloo.ca/kin/graduate</a>	
<b>Kinesiology (Work and Health)</b>	PhD	75	February 1			February 1			Résumé, writing sample	X		X		<a href="http://ahs.uwaterloo.ca/kin/graduate">ahs.uwaterloo.ca/kin/graduate</a>	
<b>Local Economic Development</b>	MAES	75	February 1			February 1			Résumé, writing sample	X	X	X		<a href="http://environment.uwaterloo.ca/led">environment.uwaterloo.ca/led</a>	
<b>Management Sciences</b>	MASc	75	February 1			February 1			Résumé				Applied Operations Research; Information Systems; Management of Technology	<a href="http://www.mansci.uwaterloo.ca">www.mansci.uwaterloo.ca</a>	
	MMSc	75	February 1			February 1			Résumé	X	X				
	PhD	83	February 1			February 1			Résumé	X		X			
<b>Management Sciences (Management of Technology) available online</b>	MMSc	75	October 1	February 1	June 1	October 1	February 1	June 1	Résumé	Part-time only	X			<a href="http://mscionline.uwaterloo.ca">mscionline.uwaterloo.ca</a>	
<b>Mathematics for Teachers available online</b>	MMT	75	February 1		November 1	February 1		November 1	Résumé; no supplementary information form required	Part-time only	X			<a href="http://cemc.uwaterloo.ca/mmt.html">cemc.uwaterloo.ca/mmt.html</a>	
<b>Mechanical Engineering</b>	MASc	75	July 15	November 15	February 1	March 1	August 1	December 1	Résumé	X			X	Automation and Controls; Fluid Mechanics; Materials Engineering and Processing; Solid-Body Mechanics and Mechanical Design; Thermal Engineering	<a href="http://www.mme.uwaterloo.ca/grad">www.mme.uwaterloo.ca/grad</a>
	PhD	80	July 15	November 15	February 1	March 1	August 1	December 1	Résumé	X			X		
	MEng	75	September 1	January 1	May 1	Canadian and Permanent Residents Only			Résumé	X	X				
<b>Mechanical Engineering (Nanotechnology)</b>	MASc	75	July 15	November 15	February 1	March 1	August 1	December 1	Résumé			X		<a href="http://www.mme.uwaterloo.ca/grad/Nano.php">www.mme.uwaterloo.ca/grad/Nano.php</a>	
	PhD	80	July 15	November 15	February 1	March 1	August 1	December 1	Résumé			X			
<b>Pharmacy</b>	MSc	78	July 1	November 1	March 1	June 1	October 1	February 1	Résumé, GRE (if educated outside of Canada)			X	Drug Design: Molecular Pharmacology, Pharmacokinetics and Toxicology; Pharmaceuticals: Drug and Vaccine Delivery Systems and Nanomedicine	<a href="http://pharmacy.uwaterloo.ca/graduate">pharmacy.uwaterloo.ca/graduate</a>	
<b>Philosophy</b>	MA	78	February 1			February 1			Writing sample	X	X	X	Ethics and Political Philosophy; Language, Logic and Metaphysics; Mind and Cognitive Science; Philosophy of Science and Mathematics	<a href="http://philosophy.uwaterloo.ca/graduate/gradindex.html">philosophy.uwaterloo.ca/graduate/gradindex.html</a>	
	PhD	78	February 1			February 1			Writing sample	X		X			
<b>Physics</b>	MSc	75	February 1	Contact department		February 1	Contact department		GRE (if educated outside of Canada)	X	X	X	Astrophysics and Gravitation (experimental/theoretical); Atomic, Molecular and Optical Physics (experimental/theoretical); Biophysics (experimental/theoretical); Chemical Physics (experimental/theoretical); Condensed Matter and Material Physics (experimental/theoretical); Industrial and Applied Physics (experimental/theoretical); Quantum Computing (experimental/theoretical); Subatomic Physics (experimental/theoretical)	<a href="http://gwp.on.ca">gwp.on.ca</a>	
	PhD	75	February 1			February 1			GRE (if educated outside of Canada)	X		X			
<b>Physics (Nanotechnology)</b>	MSc	75	February 1	Contact department		February 1	Contact department		GRE (if educated outside of Canada)	X		X		<a href="http://gwp.on.ca">gwp.on.ca</a>	
	PhD	75	February 1			February 1			GRE (if educated outside of Canada)	X		X			
<b>Physics (Quantum Information)</b>	MSc	75	January 15	June 1	October 1	January 15	June 1	October 1	GRE (if educated outside of Canada)	X		X		<a href="http://iqc.uwaterloo.ca/welcome/graduate/physics-and-astronomy">iqc.uwaterloo.ca/welcome/graduate/physics-and-astronomy</a>	
	PhD	75	January 15	June 1	October 1	January 15	June 1	October 1	GRE (if educated outside of Canada)	X		X			
<b>Planning</b>	MA	78	February 1			February 1			Résumé, writing sample	X		X	Human/Built Environment; Physical/Natural Environment	<a href="http://environment.uwaterloo.ca/planning">environment.uwaterloo.ca/planning</a>	
	MES	78	February 1			February 1			Résumé, writing sample	X		X			
	MAES	78	February 1			February 1			Résumé, writing sample	X	X				
	PhD	83	February 1			February 1			Résumé, writing sample	X		X			
<b>Political Science</b>	MA	75	February 1	Contact department		February 1	Contact department		Résumé, writing sample	X		X	Conflict and Conflict Resolution; Political Economy; States and Societies	<a href="http://politicalscience.uwaterloo.ca">politicalscience.uwaterloo.ca</a>	

# BEST OVERALL UNIVERSITY IN CANADA

- MACLEAN'S NEWSMAGAZINE

## GRADUATE PROGRAMS CONTINUED

PROGRAMS	DEGREES	MINIMUM AVERAGE	ENTRY POINT			ENTRY POINT			ADDITIONAL APPLICATION REQUIREMENTS	PART-TIME	COURSE WORK	MAJOR RESEARCH PROJECT	THESIS	AREAS OF SPECIALIZATION	DEPARTMENTAL WEBSITE
			FALL	WINTER	SPRING	FALL	WINTER	SPRING							
			Application Deadlines						All programs require: transcripts, references, supplementary information form						
			Domestic Students			International Students									
<b>Psychology</b>	MA	75	December 15 (Clinical/Social) January 15 (Other)			December 15 (Clinical/Social) January 15 (Other)					X	X	Cognitive Psychology; Industrial/Organizational Psychology	<a href="http://psychology.uwaterloo.ca/gradprog">psychology.uwaterloo.ca/gradprog</a>	
	MASc	75	December 15 (Clinical/Social) January 15 (Other)			December 15 (Clinical/Social) January 15 (Other)					X		Developmental Psychology; Industrial/Organizational Psychology	<a href="http://psychology.uwaterloo.ca/gradprog">psychology.uwaterloo.ca/gradprog</a>	
	PhD	75	December 15 (Clinical/Social) January 15 (Other)			December 15 (Clinical/Social) January 15 (Other)						X	Clinical Psychology; Cognitive Neuroscience; Cognitive Psychology; Developmental Psychology; Industrial/Organizational Psychology Social Psychology	<a href="http://psychology.uwaterloo.ca/gradprog">psychology.uwaterloo.ca/gradprog</a>	
<b>Psychology (Developmental Communication Science)</b>	MASc	85	January 15			January 15				X	X			<a href="http://psychology.uwaterloo.ca/gradprog">psychology.uwaterloo.ca/gradprog</a>	
<b>Public Health</b> available online	MPH	75	February 1			February 1			X	X			Non-Specialist; Socio-Behavioural Sciences	<a href="http://ahs.uwaterloo.ca/hsg/mph">ahs.uwaterloo.ca/hsg/mph</a>	
<b>Public Service</b>	MPS	78	February 1			February 1				X	X			<a href="http://mps.uwaterloo.ca">mps.uwaterloo.ca</a>	
<b>Pure Mathematics</b>	MMath	78	February 1	Contact department		February 1	Contact department			X		X	Algebra and Logic; Analysis and Functional Equations; Geometry and Topology; Number Theory	<a href="http://math.uwaterloo.ca/PM_Dept/Grad/grad.shtml">math.uwaterloo.ca/PM_Dept/Grad/grad.shtml</a>	
	PhD	78	February 1			February 1				X		X			
<b>Quantitative Finance</b>	MQF	80	January 15			January 15					X	X		<a href="http://sas.uwaterloo.ca/finance">sas.uwaterloo.ca/finance</a>	
<b>Recreation and Leisure Studies</b>	MA	75	February 1			February 1			X			X	Administration and Management of Services; Leisure Behaviour and Cultural Studies; Recreation and Leisure Resources	<a href="http://ahs.uwaterloo.ca/rec/graduate">ahs.uwaterloo.ca/rec/graduate</a>	
	PhD	75	February 1			February 1			X			X		<a href="http://ahs.uwaterloo.ca/rec/graduate">ahs.uwaterloo.ca/rec/graduate</a>	
<b>Recreation and Leisure Studies (Aging, Health and Well-Being)</b>	PhD	75	February 1			February 1			X			X		<a href="http://ahs.uwaterloo.ca/rec/graduate">ahs.uwaterloo.ca/rec/graduate</a>	
<b>Recreation and Leisure Studies (Tourism Policy and Planning)</b>	MA	75	February 1			February 1			X			X		<a href="http://ahs.uwaterloo.ca/rec/graduate">ahs.uwaterloo.ca/rec/graduate</a>	
<b>Recreation and Leisure Studies (Work and Health)</b>	PhD	75	February 1			February 1			X			X		<a href="http://ahs.uwaterloo.ca/rec/graduate">ahs.uwaterloo.ca/rec/graduate</a>	
<b>Religious Studies</b>	PhD	80	February 1			February 1						X	Religious Diversity in North America	<a href="http://religiousstudies.uwaterloo.ca/graduate.html">religiousstudies.uwaterloo.ca/graduate.html</a>	
<b>Social and Ecological Sustainability</b>	PhD	83	February 1			February 1			X			X	Resource Analysis and Stewardship; Socio-Ecosystem Function and Renewal; Sustainability Policy and Governance	<a href="http://environment.uwaterloo.ca/ers/grad">environment.uwaterloo.ca/ers/grad</a>	
<b>Social Innovation</b> available online	Graduate Diploma	75	February 1			February 1			Part-time only	X				<a href="http://gradsi.ca">gradsi.ca</a>	
<b>Sociology</b>	MA	78	February 1	Contact department		February 1	Contact department			X	X	X	Community Research Methodology; Crime and Deviance; Interpretive Sociology; Social Inequality; Work and Technology	<a href="http://sociology.uwaterloo.ca/graduate.html">sociology.uwaterloo.ca/graduate.html</a>	
	PhD	83	February 1			February 1							Crime and Deviance; Industry, Work and Leisure; Interpretive Sociology; Self, Culture and Society; Social Inequality; Theory and Methodology; Work and Technology		
<b>Statistics</b>	MMath	78	February 1		December 1	February 1		December 1	X	X		X		<a href="http://sas.uwaterloo.ca/stats_navigation/Graduate.shtml">sas.uwaterloo.ca/stats_navigation/Graduate.shtml</a>	
	PhD	78	February 1		December 1	February 1		December 1	X			X			
<b>Statistics (Biostatistics)</b>	MMath	78	February 1		December 1	February 1		December 1	X		X			<a href="http://sas.uwaterloo.ca/stats_navigation/Graduate.shtml">sas.uwaterloo.ca/stats_navigation/Graduate.shtml</a>	
	PhD	78	February 1		December 1	February 1		December 1	X			X			
<b>Systems Design Engineering</b>	MASc	75	June 1	October 1	February 1	June 1	November 1	March 1	X			X	Human and Biomedical Engineering; Intelligent Systems and Software; Mechatronic and Physical Systems; Modelling, Simulation and Systems Theory; Optimization and Decision Making; Signal and Image Processing; Societal and Environmental Systems	<a href="http://www.systems.uwaterloo.ca/grad/index.html">www.systems.uwaterloo.ca/grad/index.html</a>	
	PhD	83	June 1	October 1	February 1	June 1	November 1	March 1	X			X			
	MEng	75	June 1	October 1	February 1	June 1	November 1	March 1	X	X					
<b>Systems Design Engineering (Nanotechnology)</b>	MASc	75	June 1	October 1	February 1	June 1	November 1	March 1		X		X		<a href="http://www.systems.uwaterloo.ca/grad/index.html">www.systems.uwaterloo.ca/grad/index.html</a>	
	PhD	83	June 1	October 1	February 1	June 1	November 1	March 1				X			
<b>Taxation</b>	MTax	75	April 1			April 1			X	X				<a href="http://accounting.uwaterloo.ca/mtax">accounting.uwaterloo.ca/mtax</a>	
<b>Theological Studies (Conrad Grebel University College)</b>	MTS	75	February 1	September 15	Contact department	February 1	September 15	Contact department	X	X		X		<a href="http://grebel.uwaterloo.ca/academic/gts/mts.shtml">grebel.uwaterloo.ca/academic/gts/mts.shtml</a>	
<b>Vision Science</b>	MSc	75	Deadlines vary; contact department directly.			Deadlines vary; contact department directly.			X			X	Healthcare, Education and Delivery; Neurosciences; Ocular Biology and Pathophysiology; Technology and Optics	<a href="http://optometry.uwaterloo.ca/future-students/graduate">optometry.uwaterloo.ca/future-students/graduate</a>	
	PhD	75							X			X			



**“THERE’S NEVER  
A SET PATH  
FOR RESEARCH,  
SO ACADEMIC  
FREEDOM IS  
ABSOLUTELY  
ESSENTIAL FOR  
A RESEARCHER  
TO GROW. THE  
FREEDOM I  
FIND HERE AT  
WATERLOO IS  
FANTASTIC.”**

**- SHRUTI NAMBIAR,**  
SYSTEMS DESIGN ENGINEERING PhD STUDENT



**DISCOVER FREEDOM** Heavy, lead x-ray shield aprons may someday be a thing of the past. Shruti Nambiar, a System Design Engineering PhD student, is developing a new material that combines flexible polymer and nanoparticles. The goal? To create a non-toxic, lighter shield to be worn by patients and clinical personnel when working around harmful x-rays.

She says she wouldn't be nearly so far along in her research without her enthusiastic supervisors, other helpful students – and Waterloo's culture of discovery through collaboration.

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