



ONE HUNDRED AND THIRTIETH CONVOCATION

# CONVOCATION

**TUESDAY  
JUNE  
10  
2025**

**FACULTY OF ENVIRONMENT**  
Convocation Ceremony

# CONVOCATION

*On this day, as the University of Waterloo awards degrees and celebrates the achievements of a new generation of graduates, the members of the University and its guests share in a 900-year-old ritual called convocation.*

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TUESDAY, JUNE 10, 2025

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## TERRITORIAL ACKNOWLEDGEMENT

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg, and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is co-ordinated within the Office of Indigenous Relations.

# Message from the chancellor

*Welcome graduates, families, friends and supporters to convocation.*

This will be my second convocation cycle as chancellor and my first presiding over the spring term ceremonies, though my connection to Waterloo dates back more than 30 years. I received my three degrees from this institution, and I've continued my strong connection to the University since then.

Waterloo helped shape me, as I'm sure it has shaped the accomplished graduates who will receive their degrees today. Discovery, innovation, entrepreneurship, the freedom and inspiration to think big, audacious thoughts – these are in the ethos of the University of Waterloo. Since stepping into my role as chancellor last fall, I have been delighted to connect with students, alumni and our Waterloo community across our campuses and around the world. No matter where in the world I am, I see our community members embodying Waterloo's spirit and values.

Convocation marks a culmination of so much hard work and dedication. Each graduate has navigated the highs and lows of their educational journey to make it to this milestone. Members of the Class of 2025, especially, have overcome many unexpected hurdles during their time at Waterloo. The ability to maintain focus and support each other will serve these graduates well into the future.

I speak from experience when I say that Waterloo graduates are unique in the way they approach challenges, collaborate and stay motivated to make the world a better place. They have the skills and the network to effectively address whatever lies ahead.

During convocation, we celebrate the achievements of our graduates and their shift to our alumni community. Since Waterloo's founding in 1957, we have conferred more than 255,000 degrees and certificates. The Waterloo alumni network extends to more than 150 countries and offers our graduates a community regardless of where their futures take them.

As alumni, we are all Waterloo ambassadors for life. We are also leaders. Waterloo graduates have a responsibility to make the world a better place, whether finding solutions to humanity's most significant challenges or fostering kindness, beauty and well-being for those most in need. The knowledge and creativity of Waterloo alumni continues to have a lasting impact on our community and beyond.

Congratulations to all our graduates and their families, friends, mentors, faculty and staff who helped make this tremendous accomplishment a reality.

*Thank you for continuing the Waterloo tradition of excellence.*



**JAGDEEP SINGH BACHHER**  
BASC '93, MASC '94, PhD '00  
Chancellor

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**“I SPEAK FROM EXPERIENCE WHEN I SAY THAT WATERLOO GRADUATES ARE  
UNIQUE IN THE WAY THEY APPROACH CHALLENGES, COLLABORATE AND STAY  
MOTIVATED TO MAKE THE WORLD A BETTER PLACE.”**

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# Message from the president and vice-chancellor

*It is my privilege to welcome our graduates along with their families, friends and supporters to the University of Waterloo's Spring 2025 Convocation.*

The road to earning a degree is challenging. It takes hard work, courage and dedication. And in this year's graduating class, I have also witnessed their curiosity about the world, their drive to shape a better future and their resilience through challenging times. As the Class of 2025 crosses the stage, we celebrate their accomplishments and journeys to get to this milestone. The degrees they've earned are a culmination of lessons, relationships and experiences.

A Waterloo degree is also unique. Whether students choose co-op, undertake an entrepreneurial venture or explore courses or opportunities outside their disciplines, Waterloo provides an environment for them to embrace their passions and be unconventionally bold.

At Waterloo, we are proud to be a community of curious, collaborative, innovative and entrepreneurial problem-solvers and leaders who seek to build a better future for humanity and our planet. We think differently, act with purpose and work together. Our students don't just inherit this ethos – they continue to help shape it throughout their time at Waterloo and beyond.

As this year's graduates leave our campuses, they continue to be an important part of our Waterloo community. They are joining more than 255,000 alumni around the globe – helping our institution stay connected to the world around us.

Graduates: now is your opportunity to bring your unconventional thinking and innovations to the world. Global challenges are intersecting in complex ways. Bold and curious innovators are needed to build and identify equitable and sustainable solutions. You are among the future leaders and change-makers who will help tackle these challenges and help shape a better future.

Wherever your path leads, I hope you will continue to stay connected to our institution and the University of Waterloo community.

*I wish you all the best on the next stage of your journey.*



*Vivek Goel*

**VIVEK GOEL**

CM, OOnt

President and Vice-Chancellor

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**“GRADUATES: NOW IS YOUR OPPORTUNITY TO BRING YOUR  
UNCONVENTIONAL THINKING AND INNOVATIONS TO THE WORLD.”**

# Message from the alumni council chair

## *Congratulations Class of 2025!*

On behalf of the University of Waterloo's Alumni Council and your alumni community, congratulations to each one of you on this remarkable achievement. It gives me great pleasure to celebrate your graduation and welcome you to a global network of more than 255,000 alumni. I hope you are as proud of yourselves as we are of you.

We cannot wait to see you back on campus and hear about your professional and personal accomplishments. Remember that life is a journey, not a destination. Your journey has only just begun and as you continue this adventure, your global alumni network is here for you through our alumni chapters and global ambassadors.

As new alumni, your feedback is invaluable, and I encourage you to share your insights, stories and updates with Alumni Relations. They have valuable resources that can help you to develop your career, connect with other alumni and stay in touch with the University of Waterloo.

*Congratulations once again on all your accomplishments and I wish you the best as you join our Waterloo alumni community. Best wishes for much success!*



*Lee Anne Doyle*

**LEE ANNE DOYLE**

BES '81

Chair, University of Waterloo Alumni Council

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**“THERE ARE MORE THAN 255,000 OF US AND WE ARE HERE  
TO SUPPORT YOU AS YOU WORK TOWARDS YOUR GOALS.”**

# Our tradition of convocation

*The ritual of convocation is a tradition that honours the roots of the university, and is, at the same time, a beginning for students who now enter a new stage in their lives.*

*We welcome guests on this celebratory occasion and thank you for being present to share in it.*

Both the symbols and the ceremony of convocation look back far beyond the beginning of the University of Waterloo, back to the centuries of university life in Western civilization which Waterloo joined six decades ago. The founders of this University were eager from the beginning to make it part of that long tradition, although they proudly asserted that they were building a new and innovative university, with close ties to industry and an emphasis on practical knowledge for building the future.

On this day, as ancient customs mix with the use of up-to-date technology and exuberance of a new generation, convocation connects a forward-looking university with the traditions that universities have observed as long as they have existed.

The University of Waterloo grew out of an older institution, Waterloo College. A still older one, the University of St. Jerome's College, soon became federated with it, and the College of Optometry of Ontario joined the family in 1967. Although all these institutions were newcomers compared with Oxford and Harvard and the Jagiellonian, the connection to the traditional role and style of a university remains clear.

Tradition underlies the proceedings of today's convocation, the continuity of this University with centuries of academic experience. Passion brings the proceedings to life, along with the enthusiasm with which the University recognizes new achievements and new ideas.



1960s  
CONVOCATION  
AT WATERLOO

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## A CALLING TOGETHER

Students graduate at the end of a program of study, leading to a degree with a traditional name: Bachelor, Master, or Doctor. On this day, their families and friends celebrate their success and their transition from one status in life to another. Convocation has been, for the past nine hundred years, a meeting of the whole university community at which symbols are displayed, participants wear special attire to emphasize their official roles, and speakers share their wisdom and the values that the university seeks to teach. Convocation (the name comes from Latin, which was once the primary language of higher education) is a calling together of new graduates to receive the symbols of their accomplishments, and a calling together of the older members of the university to witness and join in the celebration.

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## CONNECTING WITH TRADITION

At Waterloo's first convocation in June 1960, the guest speaker was James J. Talman of the University of Western Ontario (now Western University), who told the audience a little about the history of Waterloo County and its industry. "The greatest resource we still have is the minds of the people," Talman said. "And this resource still remains to be developed to its full potential. The people of the Grand Valley clearly appreciate this fact. As we see the success with which they developed the physical resources in the past we can only conclude that they will be just as successful in developing the intellectual resources of the future. The University of Waterloo can look forward to a brilliant and successful future."

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## THE PROCESSION

The most impressive part of the ceremony may be the procession that begins it. The graduating students will come in first, and as they fill up the main body of the hall, they will give the impression that today's ceremony really is, as convocation used to be, a ceremonial meeting of the whole University community.

After the graduating students have come in, the academic procession will begin. First to enter is the ceremonial Eagle Staff, a symbolic representation of the continuous presence of Indigenous Peoples of these lands, carried in by an Eagle Staff carrier. Next, a selected faculty member will carry the mace, a traditional symbol of the University's authority. Then faculty members enter, walking two by two, dressed in their academic finery.

The final party to arrive is the chancellor's party. The chancellor is the ceremonial head of the University of Waterloo. The chancellor presides over convocation ceremonies every June and October and awards all degrees, diplomas and certificates, including honorary degrees. The chancellor offers an inspirational message for the graduands at these ceremonies.

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## THE MACE

The solid silver and ebony wand was given to the University in 1965 by the family of the late Stanley F. Leavine and was designed by Toronto artist Eric Aldwinckle and crafted by silversmith Harold Stacey to symbolize the University as it was at that time. It displays lions, chevrons and the shield of the province of Ontario, from which the University holds its charter to grant degrees.

The symbolic theme of the mace is unity amid diversity, and tension in the creative intellectual process that strives to bring forth a new individual. The design of the mace interprets this theme in the idiom of the life process: from the seeds at the base of the stave the mace grows in unity and strength until it differentiates by a four-fold separation into diverse elements.





The four-fold diversity is significant because of the four faculties existing at the time the mace was presented to the University, and the four church-related colleges federated and affiliated with the University. These diverse elements together form a crown, and the point of the crown, while tending toward a union, do not quite touch. They remain as individuals suspended in tension and yet engaged in deep harmony. This creative process is focused not on the traditional spherical orb of static perfection but rather on an elliptical silver ovum – the egg-shaped symbol of creativity – the marvelous potential of a new individual life.

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## THE COAT OF ARMS AND MOTTO

The lions and chevrons also appear on the shield that is the University's coat of arms and is imprinted on the graduates' diplomas. Derived from traditional heraldry, it has been used since 1961 and was registered with the Court of the Lord Lyon in 1987. The shield uses the official colours of gold, black and white, and its symbols refer to the University's base in the cities of Kitchener and Waterloo. The unusual double chevrons were borrowed from the coat of arms of Lord Kitchener of Khartoum, and the red lions are like those on the coat of arms of the Duke of Wellington, victor at the 1815 Battle of Waterloo. The lions also reflect the tough and innovative spirit of the University's founders and builders, and the black and white in the chevron are the colours of Prussia, reflecting the Germanic background of many Waterloo County settlers. Beneath the shield appears the University's motto: *Concordia cum veritate*, "In harmony with truth."

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## DEGREES AND HONORARY DEGREES

Presentations of earned and honorary degrees, and the speeches associated with them, take up most of the time at convocation. Undergraduate and graduate degrees are awarded in each of our six faculties: Arts, Engineering, Environment, Health, Mathematics and Science. Also included are students who attended our colleges, Conrad Grebel University College, Renison University College, St. Jerome's University and United College.

In addition to "earned" degrees awarded to students who have met the requirements through years of effort, the University of Waterloo confers "honorary" degrees to individuals who have been designated by the Senate, the University's academic governing body, as deserving special honour. They, too, receive hoods, lined with the colour of the faculty that nominated them or with specially designated colours for other kinds of achievement.

By tradition, public service is recognized with a Doctor of Laws degree even in a university that does not regularly teach law. The individuals receiving honorary degrees are introduced during the ceremony, and a brief citation is read to explain their various accomplishments deserving of recognition by a university. One of the honorands will address convocation after the degree has been given.

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## EAGLE STAFF

On September 22, 2022, the University of Waterloo held a Commitment Ceremony pledging action toward decolonization, Indigenization and reconciliation. Weaving in the knowledge, ways of knowing, and understandings of First Nations, Métis and Inuit peoples equips the Waterloo community, especially Waterloo graduates, with the tools and knowledge they need to create a better future for all. The commitment was formalized through a Pipe Ceremony, after which Vivek Goel, president and vice-chancellor, was given the name “Ogiima” (meaning leader) and presented with gifts of an eagle feather and two Wampum belts. Our recommitment is formally acknowledged in a special ceremony each fall.

Building on the desire and responsibility to incorporate Indigenous perspectives, the University of Waterloo community came together for a ceremony on March 27, 2023, to welcome an Eagle Staff to the University.

An Eagle Staff is an important element of the Indigenous relationship to Earth and those that have protected it. It reflects the wisdom, strength and honour of those who carry it, representing different nations across Turtle Island. By welcoming the Eagle Staff, the University acknowledges the responsibility to recognize, accept and incorporate Indigenous perspectives in how we teach, govern and behave as an institution. The Eagle Staff is present at all ceremonies, celebrations and convocations.

The University of Waterloo honours and welcomes the Eagle Staff, a symbol of Indigenous strength, spirit and care. This signifies Waterloo’s commitment to incorporating First Nations, Métis and Inuit perspectives into the University’s governance, structure, and mission. It serves as a beacon of reconciliation on our shared path forward.



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**“THE EAGLE STAFF SERVES AS AN IMPORTANT SYMBOL AND REMINDER OF THE COMMITMENT WE MADE TO RECONCILIATION AND SERVES AS INSPIRATION FOR OUR UNIVERSITY COMMUNITY TODAY AND FOR FUTURE GENERATIONS.”**

**VIVEK GOEL**  
*President and Vice-Chancellor*

# Honorary doctorates

*An honorary degree (honoris causa) is the highest honour conferred by the University. Through the conferring of honorary degrees, the University of Waterloo seeks to recognize outstanding achievement, whether academic or through service to society.*

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## JOHN ENGLISH

BA, AM, PhD, FRSC  
Doctor of Laws, *honoris causa*

THURSDAY, JUNE 12 / AFTERNOON CEREMONY



Dr. John English is one of Canada's most acclaimed, best-selling historians and experts in international relations. He is an Officer of the Order of Canada, a Fellow of the Royal Society of Canada, and has the Order of Merit of Germany. English was the member of Parliament for the federal riding of Kitchener from 1993 to 1997, serving with distinction as the parliamentary secretary to the minister of Intergovernmental Affairs. He earned a Bachelor of Arts from the University of Waterloo, and was for four decades an outstanding member of Waterloo's history department and founding executive director of the Centre for International Governance Innovation. He is now a Senior Fellow at Trinity College at the University of Toronto and chairs the Canadian International Council.

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## PAUL CORKUM

PhD  
Doctor of Science, *honoris causa*

FRIDAY, JUNE 13 / AFTERNOON CEREMONY



Dr. Paul Corkum is a pioneering Canadian physicist renowned for his foundational contributions to attosecond science – the study of ultrafast phenomena on the scale of attoseconds ( $10^{-18}$  seconds). He earned his PhD in theoretical physics from Lehigh University in 1972. Corkum joined the National Research Council of Canada (NRC) in 1973, where he transitioned to experimental physics and developed groundbreaking models of atomic ionization. His recollision model enabled the generation of attosecond laser pulses, allowing scientists to observe electron dynamics in real time. Corkum holds a joint chair in Attosecond Photonics at the University of Ottawa and the NRC. His numerous accolades include the 2022 Wolf Prize in Physics and the 2025 APS Medal for Exceptional Achievement in Research.

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## TIM JACKSON

BA, FCPA, FCA  
Doctor of Laws, *honoris causa*

THURSDAY, JUNE 12 / EVENING CEREMONY



Tim Jackson is an entrepreneur, venture capitalist, not-for-profit leader and community builder. He is the president and chief executive officer of Shad, Canada's premier high school student summer program. He co-founded Tech Capital Partners, an early-stage venture capital firm and led the Accelerator Centre, an incubator for technology startups. He was executive-president at the MaRS Discovery District, one of the world's largest urban innovation hubs. As a University of Waterloo Accounting graduate, Jackson has a long history of service at Waterloo. He held the position of vice-president, University Relations in addition to five years on the Board of Governors and seven years as chair of the Student Venture Fund investment committee. Jackson was recognized with the prestigious title of Fellow Chartered Public Accountant for his exceptional service to the profession and his community.

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## ARMUGHAN AHMAD

BA, LLB, KC  
Doctor of Laws, *honoris causa*

FRIDAY, JUNE 13 / EVENING CEREMONY



Armughan Ahmad is a global technology executive, investor and board director recognized for his leadership in artificial intelligence and digital transformation. He currently serves as executive chairman of RxFood AI and general partner at Vision Studio Ventures, a venture capital firm backing early-stage AI founders. He also advises ServiceNow, TELUS, and OMERS as a senior AI strategist. Previously, Armughan was chief executive officer of Appen, a publicly traded company providing AI training data to leading technology firms including Google, Microsoft, Meta and Nvidia. He has also held senior leadership roles as president of KPMG Digital and Dell EMC, where he led global Data Center Cloud and High-Performance Computing business, and at HP and 3Com. Ahmad serves on the board of Trillium Health Partners and is the co-founder and board director of CILAR (Coalition of Innovation Leaders Advancing respect), advancing AI skill development and inclusive economic growth.

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# NEIL CAWSE

BSc Eng  
Doctor of Engineering, *honoris causa*  
SATURDAY, JUNE 14 / MORNING CEREMONY



Neil Cawse is the founder and chief executive officer of Geotab, the world's largest commercial telematics company. An engineer by training and entrepreneur by instinct, he founded Geotab in 2000 to help businesses make better decisions through vehicle data. Under his leadership, the company has grown into a global leader and is recognized among the fastest-growing technology companies in North America. Known for his long-term thinking and hands-on approach, Cawse continues to guide product design and engineering for Geotab. In 2015, he was named Ernst & Young Entrepreneur of the Year.

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# GINA CODY

BEng, MEng, PhD  
Doctor of Engineering, *honoris causa*  
SATURDAY, JUNE 14 / AFTERNOON CEREMONY



Dr. Gina Cody is an engineer and business leader who has helped shape Canada's cities and communities through decades of work in the private sector. As executive chair and owner of CCI Group Inc., she led complex engineering projects for major developers, financial institutions and public agencies across the country. Cody was the first woman to earn a PhD in building engineering from Concordia University, and she remains a strong advocate for inclusion in STEM. Her leadership and generosity led Concordia to name its Faculty of Engineering and Computer Science in her honour, recognizing both her professional achievements and commitment to the next generation.



# Distinguished professors emeriti

*The distinguished professor emeritus designation is made to faculty members who have had a distinguished record of service in teaching and research in the University. The honorary award is granted upon, or shortly after, retirement.*

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## BRYAN SMALE

BA, MA, PhD

Faculty of Health

TUESDAY, JUNE 10 / AFTERNOON CEREMONY



Dr. Bryan Smale is director of the Canadian Index of Wellbeing in the Faculty of Health, and professor emeritus in the Department of Recreation and Leisure Studies at the University of Waterloo. He received his PhD in Geography from the University of Western Ontario and both his Bachelor of Arts and Master's degrees in Leisure Studies from the University of Waterloo. Smale is currently a member of Statistics Canada's Advisory Committee on Social Conditions, research consultant on UNICEF Canada's Child and Youth Well-being Index, former chair and president of the Board of Directors of the Canadian Association of Leisure Studies.

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## PAUL STOLEE

BA, MPA, MSc, PhD

Faculty of Health

TUESDAY, JUNE 10 / AFTERNOON CEREMONY



Dr. Paul Stolee retired at the rank of professor from the School of Public Health Sciences at the University of Waterloo. His research is recognised for its significant impact on older persons' experiences with care systems. Stolee received the Distinguished Member Award from the Canadian Association on Gerontology, the association's highest honour. At Waterloo, he served in key governance roles including director of the University's Network for Aging Research and as interim dean of the Faculty of Health. He is also known for his exemplary student mentorship, as recognised with the University of Waterloo Award of Excellence in Graduate Supervision.

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## MARY HARDY

BSc, PhD, FIA, FSA, CERA

Faculty of Mathematics

WEDNESDAY, JUNE 11 / MORNING CEREMONY



Dr. Mary Hardy's research creates bridges between theoretical actuarial science and real-world challenges in insurance and pensions. Her pioneering work on financial guarantees and risk measures drove regulatory changes, bolstering Canadian insurers during the 2007-09 financial crisis. Hardy has co-authored three books and approximately 80 papers. She served as past editor-in-chief of two leading actuarial journals and was vice-president of the Society of Actuaries, where she was instrumental in modernizing its technical curriculum. In 2012, Hardy was awarded the Finlaison Medal of the U.K. Institute and Faculty of Actuaries for services to the actuarial profession in the areas of governance, teaching, research and the application of research to practice. In 2023, she was awarded the Lifetime Volunteer Award by the Society of Actuaries.

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## GORDON WILLMOT

BA, MMath, PhD

Faculty of Mathematics

WEDNESDAY, JUNE 11 / MORNING CEREMONY



Dr. Gord Willmot was professor of actuarial science in the Department of Statistics and Actuarial Science at the University of Waterloo from 1986 to 2024. He was the inaugural Munich Re Chair in Insurance from 2001 to 2021. Willmot is an outstanding mathematician known for his foundational contributions to insurance risk modelling and ruin theory. He has published more than 100 research papers and co-authored five books. He is among the most-cited actuarial scholars of all time. His stellar contributions to graduate supervision led him to be the recipient of a prestigious Award of Excellence in Graduate Supervision in 2022.

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# JOHN RAVENHILL

BSc, LLB, MA, AM, PhD, FASSA, FAIIA  
Faculty of Arts  
THURSDAY, JUNE 12 / MORNING CEREMONY



Dr. John Ravenhill joined the University of Waterloo in 2013 as the director of the Balsillie School of International Affairs, recognizing his leadership and world-class research in global politics and international political economy. His service continued in 2019 as chair of the Department of Political Science. Ravenhill has published more than 25 books and over 200 articles and book chapters. Among many distinctions, he has received the International Political Economy Distinguished Scholar Award from the International Studies Association and is an elected Fellow of the Academy of Social Sciences in Australia. He has also taught at the universities of Virginia, Sydney, and Edinburgh, and at the Australian National University.

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# PETER HUCK

MAcc, PhD, FCPA  
Faculty of Engineering  
SATURDAY, JUNE 14 / EVENING CEREMONY



Dr. Peter Huck is a retired professor of civil engineering at the University of Waterloo and a leading expert in drinking water treatment. He held the longest-running NSERC Industrial Research Chair in the program's history, serving for more than 30 years. His work on advanced treatment technologies has shaped drinking water policy and practice across Canada and internationally. A trusted advisor to government and industry, Huck played a key role in the Walkerton inquiry into drinking water safety, and he has received numerous national and international awards for his research, mentorship and contributions to public health and environmental protection.

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# RANJINI JHA

BSc, MSc, MBA, PhD, CFA  
Faculty of Arts  
THURSDAY, JUNE 12 / EVENING CEREMONY



Dr. Ranjini Jha retired from the School of Accounting and Finance in 2024, following a 26-year career at the University of Waterloo. She was an outstanding researcher, an exemplary educator, a catalyst in experiential finance education particularly for young women, and a wise governance advisor to our pension and benefits committee. As a trailblazer in experiential finance education, Jha founded the Student Investment Fund in 2012 (public equity) and the Student Venture Fund in 2017 (venture capital). Jha has received numerous awards, including the Faculty of Arts 2023 Excellence in Service Award, and the Outstanding Performance Award in 2013, 2010 and 2006.

# Guest speakers

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## BRENT DOBERSTEIN

*BSc, MA, PhD*

Faculty of Environment

TUESDAY, JUNE 10 / MORNING CEREMONY



Dr. Brent Doberstein is an associate professor in the Department of Geography and Environmental Management at the University of Waterloo. He has been engaged in hazard, disaster, and climate change adaptation teaching and research in Canada and abroad for more than 20 years.

Doberstein teaches a range of undergraduate, graduate and international field courses, and also currently serves as the Faculty of Environment liaison for a \$15 million Global Affairs Canada-funded project which is helping Indonesia develop climate action capacity.

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## THERESE HAYES

*BSc, MSc, MHA*

Faculty of Science

FRIDAY, JUNE 13 / MORNING CEREMONY



Therese Hayes is chief executive officer of Good Man Brand – a sustainable B Corp apparel and footwear company. She has 25 years of experience in Canada and the U.S. including leadership roles at lululemon, ARITZIA and Whistler Blackcomb Holdings Inc. She has a Bachelor of Science from the University of Waterloo, and two Master's degrees from the University of Ottawa in Microbiology and Immunology and Health Administration. Hayes is an active mentor to young entrepreneurs as a board advisor and is chair of the Board of Fashion Revolution Canada.

# Valedictorians

**Putri Cullinane**

Faculty of Environment

TUESDAY, JUNE 10 / MORNING CEREMONY

**Raksha Aravind**

Faculty of Health

TUESDAY, JUNE 10 / AFTERNOON CEREMONY

**Keeley Isinghood**

Faculty of Mathematics

WEDNESDAY, JUNE 11 / MORNING CEREMONY

**Nina Tan**

Faculty of Mathematics

WEDNESDAY, JUNE 11 / AFTERNOON CEREMONY

**Karen Abdel Sater**

Faculty of Mathematics

WEDNESDAY, JUNE 11 / EVENING CEREMONY

**Viren Pandya**

Faculty of Arts

THURSDAY, JUNE 12 / MORNING CEREMONY

**Daisy Birch**

Faculty of Arts

THURSDAY, JUNE 12 / AFTERNOON CEREMONY

**Matthew Jones**

Faculty of Arts

THURSDAY, JUNE 12 / EVENING CEREMONY

**Meera Thavarajah**

Faculty of Science

FRIDAY, JUNE 13 / MORNING CEREMONY

**Lyvia Yanover**

Faculty of Science

FRIDAY, JUNE 13 / AFTERNOON CEREMONY

**Salahuddin Said**

Faculty of Engineering

FRIDAY, JUNE 13 / EVENING CEREMONY

**Chinemerem Chigbo**

Faculty of Engineering

SATURDAY, JUNE 14 / MORNING CEREMONY

**Michael Hanley**

Faculty of Engineering

SATURDAY, JUNE 14 / AFTERNOON CEREMONY

**Mankirat Singh Sains**

Faculty of Engineering

SATURDAY, JUNE 14 / EVENING CEREMONY

# Graduate degrees

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## DOCTOR OF PHILOSOPHY

**Adeniyi, Blessing** (Sustainability Management)

“From Intention to Impact: Forestry-Related Sustainability Provisions in Trade Agreements”

**Afolabi, Oluwabamise Lanre** (Geography)

“Long-Term Biophysical Conditions and Carbon Dynamics of a Temperate Swamp in Southern Ontario, Canada”

**Anagnostou, Michelle** (Geography)  
“Disentangling and Demystifying Illegal Wildlife Trade and Crime Convergence”

**Bakelaar, Margaret Grace** (Planning)  
“Local Government Planning and Maintenance of Ecological Connectivity in a Fragmented Landscape”

**Battaglia, Maria Bernadette** (Social and Ecological Sustainability)  
“From Fisher Economicus to Fisher Socialis: Investigating the Role of Fisher Behaviour for Effective and Equitable Governance”

**Chattha, Nisar Azmat** (Global Governance)  
“Climate-Geoengineering as Development: Applying the Capabilities Approach to Climate Responses in South-Asia”

**Chen, Yixin** (Geography)  
“Transition to Electric Vehicles: The Importance of Macro and Micro Influences on Spatial and Temporal Patterns”

**Cottar, Shaierree** (Geography)  
“Exploring the Use of Managed Retreat in Canada’s Policy Domain”

**De Freitas Maltauro, Rafaela** (Geography - Water)  
“Flocculation and Ingress of Cohesive Solids in a Mountainous Gravel-Bed River”

**Ghiasi, Seyed Yusof** (Geography)  
“Application of GNSS Reflectometry for the Monitoring of Lake Ice Cover”

**Hunter, Miranda Louise** (Geography - Water)  
“Carbon Emissions and Evaporation Dynamics at Peatlands Under Active Extraction in Alberta and Quebec, Canada”

**Ignatovich, Eleonora** (Planning)  
“Trendy Dorms for Grown-Ups? The Creation of the Corporate Co-Living Submarket and the Production of Youthified Space”

**Koberinski, Jodi Anne** (Geography)  
“Imagining Shared Food Futures: Honouring Canada’s Obligations Towards Anishinaabek Foodways”

**Mohammadi, Elham** (Sustainability Management)  
“How Can Information Systems Assist Vulnerable Communities in Their Transition Toward Viability”

**Oyegunle, Adeboye** (Sustainability Management)  
“Impact of Climate Transition Risk on Banks Regulatory Frameworks, Carbon Pricing and Credit Risk”

**Saboonian, Sara** (Planning)  
“The Integration of Green Infrastructure and Intensification, the Case of Greater Toronto Area”

**Shen, Zixing** (Sustainability Management)  
“The Great Migration, Urban Spatial Structure, and Their Economic and Environmental Impacts in the U.S.”

**Swanson, Kayleigh Emily** (Planning)  
“Urban Justice in a Changing Climate: Rethinking Equity and Justice Criteria to Assess Climate Action Planning in Canadian Municipalities”

**Wang, Yi** (Geography - Water)  
“Uncovering the Understudied Role of Microtopography and Ground Cover on Evapotranspiration Partitioning in High-Elevation Wetlands in the Canadian Rocky Mountains”

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## MASTER OF ARTS

**Babin, Caleb Roger Hickey** (Planning)

**Borho, Emma Rae** (Planning)

**Gao, Yude** (Planning)

**Gupta, Rachita** (Planning)

**Jonker, Sawyer Marcel** (Planning)

**Morielli, Amanda Marie** (Planning)

**Rawlyk, Madelyn Sophia Josephine** (Global Governance)

**Ricci, Michael** (Planning)

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## MASTER OF CLIMATE CHANGE

Akinbola, Sheu Tijani  
Douglas, Lindsay Louise  
Du, Yi Han  
Fan, Zhuoyuan  
Fatima, Alia  
Oosterveld, Janine

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## MASTER OF DEVELOPMENT PRACTICE

Abdul-Karim, Ridwana  
Bolanta-Owoha, Precious Imade  
Cissé, Nguénar Yacine  
Cincoli, Timothy Luke  
Enemaku, Victoria Uyojo  
Hafiz, Mashrur  
Kumar, Anshikha  
Niaz, Ahmed  
Quteishat, Nazek  
Udoh, Idoroenyen

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## MASTER OF ECONOMIC DEVELOPMENT AND INNOVATION

Graham, Jonathon Deitrich  
Schunk, Diane

---

## MASTER OF ENVIRONMENT AND BUSINESS

Allick, Danita Lera  
Atwal, Namrita Kaur  
Beyore, Jamie  
Dennis, Loren-Richard Mark  
Doerbecker, Katelyn Joyce  
Eagan, Laura M  
Goodbrand, Curtis Alexander  
Haynes, Janet  
Hockley, Chelsea  
Judson, Michael William Dallas  
Macdougall, Anastasia Marie  
Wong, Sin Yau Crystal

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## MASTER OF ENVIRONMENTAL STUDIES

**Adachi-Amitay, Maya Tali** (Social and Ecological Sustainability)

**Adhikari, Subrat** (Geography)

**Bland, Autumn Elizabeth** (Sustainability Management - Water)

**Bridges, Callum Lawrence** (Sustainability Management)

**Collette, Emma** (Social and Ecological Sustainability)  
**Grant, Weltha Elizabeth** (Social and Ecological Sustainability - Water)  
**Guo, Xuyang** (Sustainability Management)  
**Isabu, Ebosetale Hope** (Sustainability Management)  
**Kar, Akash** (Sustainability Management)  
**Kelly, Alexandra Dominique** (Planning)  
**Kelsey, Jane Katherine McCluskey** (Planning)  
**Kim, Duck Hoon** (Geography)  
**Lin, Meijie** (Sustainability Management)  
**Lodhi, Binesh** (Planning)  
**Lopez Franco, Ana Beatriz** (Sustainability Management)  
**Luan, Songhan** (Geography)  
**MacIsaac, Alexandra Monique** (Social and Ecological Sustainability)  
**Michaud, Melanie** (Social and Ecological Sustainability - Water)  
**Movoria, Ejiro Desmond** (Sustainability Management - Water)  
**Niyagama Gamage, Nilushika Madhubhashini** (Sustainability Management)  
**Nyarku, Bozo Ato Kwamina** (Sustainability Management)  
**Ohadi, Alireza** (Sustainability Management)  
**Rygus, Matthew** (Sustainability Management)  
**Song, Yinghao** (Sustainability Management)  
**Watterodt, Felicia Mae** (Geography)  
**Woods, Kyle Gordon** (Geography)  
**Yousaf, Muhammad Tahir Bin** (Sustainability Management)

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## MASTER OF PLANNING

Cole, Samantha Lynn  
Cooney, Darren Wayne  
Fletcher, Jessie  
McRadu, Lianne Jean  
Riley, Jayden Frederick  
Roberts, Lindsay Margaret

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## MASTER OF SCIENCE

**Bao, Jie** (Geography)  
**Dezyani, Sedigheh** (Geography)  
**Liu, Chenxi** (Geography)  
**McRae-Pharo, Connor William** (Geography)

**Mohammad, Sarah** (Geography)  
**Riddoch, Bronwyn Lorain** (Geography)  
**Serrano, Pedro Valentin** (Geography)  
**Srikumar, Srishanth** (Geography)  
**Sun, Letong** (Geography - Water)  
**Vong, Stephanie Ching Shan** (Geography - Water)  
**Wegener, Emma Janel Ocean** (Geography)

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## GRADUATE DIPLOMA

**Dillon, Lauren Marie** (Climate Risk Management)  
**Harrison, Thomas Furnivall** (Climate Risk Management)  
**Hassan, Ameer Mohamed** (Climate Risk Management)  
**Lee Kim Gnok, Jerry Brian** (Climate Risk Management)  
**Lim, Beng Kuan** (Climate Risk Management)  
**Mak, Flora** (Climate Risk Management)  
**Noble, Diana Dorothy** (Climate Risk Management)  
**Peachey, Vivian** (Climate Risk Management)

---

## GRADUATE CERTIFICATE

**Curty Pereira, Rodrigo** (University Teaching)  
**Feor, Leah** (University Teaching)  
**Ferguson, Jake** (University Teaching)  
**Imam, Syed Asher** (University Teaching)  
**Vikraman Nair, Navya** (University Teaching)

# Undergraduate degrees

## BACHELOR OF ENVIRONMENTAL STUDIES

### GENERAL GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT – THREE YEAR

Fournier, Yann Alexandre \*

Ghuman, Arham Faisal

Hamadani, Tabarak Mohammed  
(Aviation Specialization)

Janveaux, Mackenzie (Indigenous  
Studies Minor)

Jeyachandran, Thivethan  
(Entrepreneurship Minor)

Ko, Woonhyung

Lau, Jessica Yuen San

Macdonald, Kiara Grace

Maulucci, Mark Michael †

Mohamed, Ahmed Suleiman  
(Aviation Specialization)

Moro, Rebecca Isabel Go (Aviation  
Specialization)

Moyer, Benjamin Blake †

Ritchie, Mark Gregory

Rosli, Alia Sophia (Environment,  
Resources and Sustainability Minor)

Schultz, Matyas (Business Option)

Sevic, Tina \*

Zychlinski - Mielzynski, Stefan Peter \*

### HONOURS ENVIRONMENT AND BUSINESS

Abidi, Furogh (Geography and  
Environmental Management Minor)

Advani, Mehul Rajeev (Economics  
Minor – Co-operative Program) †

Al Futaisi, Sumaya Abdullah  
Mohamed (Co-operative Program) \*

Andre, Hugo (Legal Studies Minor)

Bansari, Simran Khanna (Computing  
Minor – Co-operative Program) \*

Barrett, Matthias (Co-operative  
Program) \*

Byers, Jordyn Elizabeth (English  
Language and Literature Minor –  
Co-operative Program) \*

Chen, Terrence (Co-operative  
Program) \*

Cho, Luke Saehymn (Co-operative  
Program)

Dhalani, Nahida Noorali (Human  
Resources Management Minor –  
Co-operative Program) †

Dong, Tony (Co-operative Program) †

Elizondo, Hanna Montserrat (French  
Minor – Co-operative Program) \*

Fan, Shenxin

Fencott, Sarah Brook (Environment,  
Resources and Sustainability Minor –  
Co-operative Program)

Funkenhauser, Meadow Anne  
(Environment, Resources and  
Sustainability Minor – Co-operative  
Program) \*

Gao, SiYuan

Gholmieh, Wael (Entrepreneurship  
Minor – Co-operative Program) †

Ghosh, Shohaum (Geography and  
Environmental Management Minor –  
Co-operative Program) \*

Gu, Jia Jun \*

Hall, Alexander Adrian (Co-operative  
Program)

Hamilton, Braydon Grant (Legal  
Studies Minor – Co-operative  
Program)

Ibrahim, Salma Ahmed Mohamed  
Hafez (Co-operative Program) †

Jegathees, Prayan (Co-operative  
Program)

Jia, Andrew Feng (Co-operative  
Program) \*

Jiao, Jiakai \*

Kalra, Karen (Economics Minor –  
Co-operative Program)

Lau, Clara †

Lee, Ching Yee (Urban Studies Minor –  
Co-operative Program) \*

Li, Andrea Hiu Yin (Human  
Resources Management Minor –  
Co-operative Program) \*

Li, Yimei

Ling, Jun Jie (Co-operative Program) \*

Lu, Xin (International Trade Minor –  
Co-operative Program)

MacDonald, Hanna Lillian  
(Co-operative Program) †

Mahendra, Riya (Co-operative  
Program)

McLeod, Stephany (Co-operative  
Program)

Murphy, Ross Cooper

Pan, Yan

Patel, Sanket Rakesh (Co-operative  
Program)

Pörtl, Bethany Helaine (International  
Development Minor – Co-operative  
Program) \*

Povhe, Martin Frank (Geography  
and Environmental Management  
Minor, Environment, Resources and  
Sustainability Minor) \*

Qin, Yilei

Saeed, Muhammad Yousuf \*

Sahi, Neel Niranjana  
(Entrepreneurship Minor –  
Co-operative Program)

Schnurr, Elizabeth Anne Tran  
(Co-operative Program) †

Serag Eldin, Mostafa (Economics  
Minor – Co-operative Program) †

Shamim, Mariam (Co-operative  
Program)

Singarajah, Abhiram (Human  
Resources Management Minor –  
Co-operative Program) \*

Singh, Jashanpreet (Economics Minor)

Sist, Jesse D (Co-operative Program)

Song, Lihui (Co-operative Program) \*

Soni, Madhav (Computing Minor –  
Co-operative Program) \*

Sun, Carrie (Economics Minor –  
Co-operative Program) †

Sun, Yixia \*

Sun, Zhiruo \*

Sutton, Noah Michael \*

Suvendran, Thenuka (Geography  
and Environmental Management  
Minor)

Tse, Kaitlyn (Geography and  
Environmental Management Minor –  
Co-operative Program) †

Valleteau De Moulliac, Sophie Jolie  
(English Language and Literature  
Minor, Environment, Resources and  
Sustainability Minor – Co-operative  
Program) \*

Veira, Cristine Dominique  
(Co-operative Program) \*

Veljkovic, Emilia (Geography and  
Environmental Management Minor –  
Co-operative Program) \*

\* – Distinction

† – Dean's Honours

**Villaroya, Kari Padilla** (Co-operative Program) \*

**Vu, Hong Anh** (Economics Minor – Co-operative Program) †

**Walker, Matthew Hawera**  
(Geography and Environmental Management Minor – Co-operative Program) \*

**Wang, Shuo** \*

**Wang, Yuelin**

**Wannemacher, Hilary** (Geography and Environmental Management Minor – Co-operative Program) †

**Weng, Shuting** (Geography and Environmental Management Minor – Co-operative Program) \*

**Williams, Chaz** (Co-operative Program) †

**Wilson, Lina Ayyash** (Environment, Resources and Sustainability Minor – Co-operative Program) †

**Wolfe, Eleanor** (Co-operative Program)

**Xiao, Wenyu** (Environment, Resources and Sustainability Minor) \*

**Xu, Zezhong**

**Ye, Tong** \*

**Yoshida, Hana May** (Co-operative Program) †

**Young, Cove Marie** (History Minor – Co-operative Program) †

**Yurcich, Lucas Victor**  
(Entrepreneurship Minor – Co-operative Program)

**Zhou, Yuzhe** (Co-operative Program) †

**Zhu, Yue**

## **HONOURS ENVIRONMENT, RESOURCES AND SUSTAINABILITY**

**Al Masroori, Aisha Salim** (Business Option – Geography and Environmental Management Minor)

**Argueta, Cristy Alena** (Co-operative Program) †

**Bona, Jessica Kendra** (Peace and Conflict Studies Minor – Co-operative Program)

**Bose, Priyangshi** (Business Option – Co-operative Program) \*

**Boudreau, Shannon Kathleen** (Co-operative Program) †

**Brunelle, Hannah Danielle** (International Studies Minor) \*

**Cullinane, Putri Edna** (Economics Minor – Co-operative Program) †

**Dabrowski, Katherine** †

**Devendra, Yaritha Arundhati**  
(Political Science Minor – Co-operative Program) †

**Disher, Katie Anne** (Business Option) \*

**Feheley, Devon Marion Louise** †

**Gonçalves, Emily Pires** (Geography and Environmental Management Minor – Co-operative Program)

**Goodale, Athena Jade Brooklynn Miracle** (Geography and Environmental Management Minor) †

**Guy, Isabella Grace** (Parks Minor – Co-operative Program) \*

**He, Nianze** (Co-operative Program) \*

**Heibein, Adam Mitchell** (Business Option – Co-operative Program)

**Hurley, Owen William** (Co-operative Program) \*

**Iapicco, Aidan Julian** (Geography and Environmental Management Minor – Co-operative Program) \*

**Jiao, Zhichao**

**Jones, Éloïse Sophie** (Biology Minor – Co-operative Program) †

**Jones, Mary Katherine** (Environment, Resources and Sustainability & Joint Honours Biology) †

**Kellough, Andrew Jeffery Jason**  
(Biology Minor – Co-operative Program)

**Kubasta, Katja Bianca** (Parks Minor – Co-operative Program) †

**Lal, Neha Jayesh** (Co-operative Program) †

**Laperle, Emma Anne** (Legal Studies Minor – Co-operative Program) †

**Lehouillier, Jamie** (Entrepreneurship Minor – Co-operative Program) \*

**Li, Qin** \*

**Ljepava, Angela** \*

**MacMillan, Kendra** (Geography and Environmental Management Minor – Co-operative Program) \*

**Magee, Brendan John** (Biology Minor – Co-operative Program) \*

**Mahler, Anna Kalina Enders**  
(Environment, Resources and Sustainability & Joint Honours Peace and Conflict Studies – Geography and Environmental Management Minor – Co-operative Program) †

**Mcateer, Jacklyn Evelyn** (Peace and Conflict Studies Minor, Human Rights Minor) †

**Mccrae, Carter Richard Bruce**  
(Geography and Environmental Management Minor – Co-operative Program) \*

**McManus, Keira Elizabeth** (Biology Minor – Co-operative Program) \*

**Meili-Ifabumuyi, Vera Johanna Funmilola** (Co-operative Program) †

**Mohindru, Jassimrit** (Human Rights Minor – Co-operative Program)

**Morant, Aliyah Erica** (Geography and Environmental Management Minor – Co-operative Program)

**Morrison, Megan Ashly Ellen** (Co-operative Program) †

**Nguyen, Monica** (Biology Minor – Co-operative Program) †

**Nicholson, Allisa Mae** (Geography and Environmental Management Minor – Co-operative Program) †

**Owsley, Esther** \*

**Phillips, Kiernan Francis**  
(Geography and Environmental Management Minor – Co-operative Program) \*

**Queiroz De Souza, Daniel** (Parks Minor – Co-operative Program) \*

**Reid, Kiera Ceilidh** (Sociology Minor – Co-operative Program) †

**Roberts, Jessica Anna** (Biology Minor) †

**Rosen, Milan Rumi** (Geography and Environmental Management Minor – Co-operative Program) \*

**Ryan, Tara Ada** (Parks Minor – Co-operative Program) \*

**Samson, Mary Shanti** (Biology Minor – Co-operative Program)

**Sankat, Katyana Syona** (Legal Studies Minor) \*

**Sutton, Hillary Lorraine** (Geography and Environmental Management Minor – Co-operative Program) †

**Terry, Samantha Grace** (Geography and Environmental Management Minor – Co-operative Program) †

**Turk, Danielle Jacqueline** (Parks Minor) †

**Vowels, Sierra Nicole** (Urban Studies Minor, Biology Minor – Co-operative Program) †

**Xiong, Ruizhu**

**Yasuda, Ichiro**

**Yu, Nicole Wing Hin** (Geography and Environmental Management Minor – Co-operative Program)

**Zarin, Tabassum** (Co-operative Program) †

## **HONOURS GEOGRAPHY AND AVIATION**

**Cardoza, Chase Riley** \*

**Forsythe, Sampson Michael Alexander** (Economy and Society Specialization)

**Hui, Shawn Jin** (Geomatics Specialization)

\* – Distinction

† – Dean's Honours



**Johnson, Isac** (Climate Change and Environment Specialization)

**Kaisar, Anushka** †

**Kwong, Steve** (Geomatics Specialization/Business Option) †

**Navaratnam, Job Erick**

**Parkins, Aiden Alexander Charles** (Economy and Society Specialization) \*

**Sabourin, Benjamin Christopher**

**Shetty, Krishang Ravi** †

**Simrák, Jason Szilárd** †

**Temple, Dominic Robert** (Climate Change and Environment Specialization) †

**Tan, Kai Ming Kevin** (Geomatics Specialization) \*

**Tiller, Benjamin William** †

**Toy, Matthew Ethan Chow** (Geomatics Specialization) †

**Victor Challa, Nikith** (Geomatics Specialization) \*

## **HONOURS GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT**

**Abernot, Cole Alexander** (Aviation Specialization) \*

**Al Lamki, Deema** (Geomatics Specialization)

**Belquas, Bradley Omar** (Co-operative Program)

**Bondi, Luca** (Geomatics Specialization – Co-operative Program) †

**Button, Alexa** (Earth Systems Science Specialization – Environment, Resources and Sustainability Minor, Parks Minor – Co-operative Program) †

**Cantuba, Ludwik Elca** (Geomatics Specialization – Co-operative Program)

**Chan, Kwun Sing** (Aviation Specialization – Co-operative Program) \*

**Corriveau, Matthew Richard** (Geomatics Specialization – Parks Minor) †

**Cox, John Colton James** (Classical Studies Minor)

**Dal Grande, Rebecca Leigh** †

**Das, Shantanu Banerji** (Geomatics Specialization – Co-operative Program) †

**DePetrìs, Benjamin Peter** (Earth Sciences Minor – Co-operative Program) †

**Dolbec, Alicia** (Co-operative Program)

**Egbunike, Ngozi Bibiana** (Climate Change and Environment Specialization – Co-operative Program) †

**Geneski, Risto**

**Gogolewski, Jacob Konrad** (Geomatics Specialization – Co-operative Program)

**Greig, Nicole Claire** (Earth Systems Science Specialization – Classical Studies Minor – Co-operative Program)

**Han, Jihee** (Aviation Specialization)

**Jackson-Janzen, Isabelle** (Climate Change and Environment Specialization) \*

**Kassim, Thaqifah Binte** (Geomatics Specialization – Co-operative Program) †

**Kim, Hunsup**

**Lau, Owen** (Co-operative Program)

**Li, Zhuhan** (Aviation Specialization)

**Litt, Kurtis Richard** (Geomatics Specialization) \*

**Lo, Stephanie Therese** (Economy and Society Specialization – Co-operative Program) †

**Niia, Reo** (Geomatics Specialization) \*

**Qureshi, Usman Sohail** (Urban Studies Minor – Co-operative Program)

**Ross, Dorian Alexander**

**Saalim, Minza** (Co-operative Program)

**Sarrafian, Hasti** (Environment, Resources and Sustainability Minor) †

**Saunders, Hastings Jack** (Co-operative Program)

**Shoniker, Harrison David** (Aviation Specialization) \*

**Sim, Szehui Jamie** (Geomatics Specialization) \*

**Soriano, Justin Chale Bailon** (Geomatics Specialization – Co-operative Program) †

**Sran, Prabjot**

**Struyk, Curtis Riley** (Geomatics Specialization – Co-operative Program)

**Thavanayagam, Thiviya** (Geomatics Specialization – Co-operative Program)

**Tong, Cheuk Hei** (Environment, Resources and Sustainability Minor) †

**Yang, Yuxin** (Geomatics Specialization – Co-operative Program) †

**Zhou, Yakun** (Geomatics Specialization – Co-operative Program) \*

## **HONOURS GEOMATICS**

**Boger, Colette Leah** †

**Boland, Rory** (Computing Minor)

**Chen, Peilin** †

**Cheung, Harry** (Computing Minor – Co-operative Program) †

**Crawford, Lucas Donald** (Computing Minor – Co-operative Program) \*

**Dang, Oscar** (Co-operative Program)

**Dizon, Daniel John** (Co-operative Program) †

**El-Hag, Al-Hassan Ayman** (Computing Minor – Co-operative Program)

**Garada, Mohamed-Marwan** (Co-operative Program)

**Gourishetty, Shraddha** (Aviation Specialization – Computing Minor – Co-operative Program)

**Guo, Mingming**

**He, Hong Xiang** (Computing Minor – Co-operative Program) †

**Huang, Ross** \*

**Ilyes, Robert** (Computing Minor – Co-operative Program) †

**Jun, SeungWon** \*

**Kirkwood, Bonnie Charlotte** (Co-operative Program) \*

**Lee, Daniel Hangyi** (Co-operative Program) \*

**Que, Brandon Fan** (Co-operative Program) \*

**Shlyakhtov, Maxim** (Computing Minor)

**Song, Linyi**

**Wang, Bailiang** (Co-operative Program) \*

**Xiang, Jessica** (Climate Change and Environment Specialization – Computing Minor – Co-operative Program) †

**Zhou, Mengtan** (Business Option – Computing Minor – Co-operative Program) \*

## **HONOURS INTERNATIONAL DEVELOPMENT**

**Boudreau, Shannon Kathleen** †

**Cotic, Samantha Danielle** (Research Specialization) †

**Gagnon, Chelsea Dominique** (Research Specialization – Peace and Conflict Studies Minor)

**Ibrahim, Habibah Ali** (Research Specialization)

**Laing, Ryan Spencer** (Practice Specialization) †

\* – Distinction

† – Dean's Honours

**Mensah, Philippe Akoyire** (Practice Specialization)

**Michael Handal, Alexander M.** (Practice Specialization) \*

**Mirenge, Tess** (Research Specialization – Environment, Resources and Sustainability Minor) \*

**Walton, Alexander John** (Research Specialization – Environment, Resources and Sustainability Minor) †

## HONOURS PLANNING

**Abdullah, Muhammad Shahab** (Land Development Planning Specialization – Co-operative Program) †

**Achireko, Adwoa Gyapomaa** (Co-operative Program) \*

**Ahmed, Syeda Aksa** (Co-operative Program)

**Ali, Yasser** (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Barone, Michael Vincent** (Land Use, Transportation, and Infrastructure Planning Specialization & Urban Design Specialization – Philosophy Minor – Co-operative Program) \*

**Barrera Jaimes, Karemnia Alejandra** (Land Use, Transportation, and Infrastructure Planning Specialization – Environment, Resources and Sustainability Minor – Co-operative Program) \*

**Bath, Kira Lorna** (Environmental Planning and Management Specialization – Co-operative Program) \*

**Borowski, Konrad Michal** (Co-operative Program) †

**Brummelhuis, Benjamin Lucas George** (Land Development Planning Specialization – Co-operative Program) \*

**Chan, Karen Wai Chung** (Co-operative Program) †

**Chan, Kaylie** (Co-operative Program) †

**Chau, Alex Ly** (Co-operative Program)

**Chau, Kristen** (Urban Design Specialization – Co-operative Program) †

**Chen, Tian Qing** (Geography and Environmental Management Minor – Co-operative Program) †

**Chhoa, Marcus** (Urban Design Specialization – Co-operative Program) \*

**Chiu, Edwin Keefe** (Urban Design Specialization – Co-operative Program)

**Coulis, Hunter James Fox** (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Coyle, Owen Hugh James** (Land Development Planning Specialization – Co-operative Program) \*

**Dabydeen, Ricardo Darius** (Urban Design Specialization – Co-operative Program) †

**Egbeyemi, Oyinkansola Monjola** (Co-operative Program) \*

**El-Batroukh, Salma** (Co-operative Program) †

**Fan, Justin** (Decision Support and Geographical Information Systems Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Farkas, Samuel** (Peace and Conflict Studies Minor – Co-operative Program) \*

**Fay, Morgan Brenda Lum** (Co-operative Program) \*

**Fitzpatrick, Kaitlyn Ann** (Land Development Planning Specialization – Urban Studies Minor – Co-operative Program) †

**Fung, Yik Lam** (Environmental Planning and Management Specialization – Co-operative Program) \*

**Gandhi, Divankshi** (Environmental Planning and Management Specialization & Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program)

**Gibson, Samuel James** (Urban Design Specialization – Co-operative Program)

**Gurjar, Aaditya Deepak** (Co-operative Program) \*

**Han, Daniel** (Co-operative Program)

**Hayes, Olivia Charlotte Alicia** (French Minor – Co-operative Program) †

**Hicks, Benjamin Peter** (Co-operative Program)

**Hoekstra, Kirsten** (Geography and Environmental Management Minor – Co-operative Program) †

**Hood, Andrew Simpson** (Land Development Planning Specialization – Co-operative Program) †

**Hu, Xiaorui** (Co-operative Program)

**Huang, Hillary** (Co-operative Program) †

**Irfan, Omer** (Land Development Planning Specialization – Co-operative Program) \*

**Jiang, Gao Mei** (Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Jung, Hyeoyun** (Decision Support and Geographical Information Systems Specialization & Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program)

**Khuu, Christine Emily** (Co-operative Program)

**Kim, Rebekah Young Eun** (Geography and Environmental Management Minor – Co-operative Program) †

**Koc, Emilia Paulina** (Environmental Planning and Management Specialization – Co-operative Program)

**Kong, Sophia Shi Qing** (Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Lau, Pui Yam** (Land Use, Transportation, and Infrastructure Planning Specialization & Urban Design Specialization – Co-operative Program) \*

**Lawrence, Dylan Hackett** (Land Development Planning Specialization – Co-operative Program) \*

**Lema, Quentin Stephen** (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program)

**Li, Muzhi** (Urban Design Specialization – Co-operative Program) \*

**Li, Xiangyuan** (Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program)

**Liu, Yi** (Co-operative Program) †

**Lo, Pak Kong** (Land Use, Transportation, and Infrastructure Planning Specialization – Co-operative Program) \*

**Luckhai, Kieran Surav** (Environmental Planning and Management Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

\* – Distinction

† – Dean's Honours

**Lukic, Aleksa** (Environmental Planning and Management Specialization – Co-operative Program)

**Luo, Anthony Jun Feng** (Land Development Planning Specialization – Urban Studies Minor – Co-operative Program) †

**Marsh, Kayla Ann** (Geography and Environmental Management Minor – Co-operative Program) \*

**Mason, Adrienne Kaleigh** (Urban Design Specialization – Co-operative Program) \*

**McLeod, Lee-Anne Elizabeth** (Urban Design Specialization – Co-operative Program) †

**Moyo, Karabo Ashleigh-Ann** (Co-operative Program) \*

**Musa, Omid** (Co-operative Program)

**Neal, Julia Catherine** (Environmental Planning and Management Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Nguyen, Trisha** (Co-operative Program)

**Pathania, Mannini** (Urban Design Specialization – Co-operative Program) \*

**Peracha, Elsa** (Co-operative Program) †

**Petrovic, Nicholas** (Environmental Planning and Management Specialization – Co-operative Program) \*

**Phan, Jonathan** (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Pharaon, Lina** (Urban Design Specialization – Co-operative Program) †

**Qian, Yunjing** (Land Use, Transportation, and Infrastructure Planning Specialization – Urban Studies Minor – Co-operative Program)

**Qin, Canwen** (Urban Design Specialization – Psychology Minor – Co-operative Program)

**Rezk Alla, Manuela** (Urban Design Specialization – Co-operative Program)

**Sabapathi, Rosani** (Co-operative Program) \*

**Schaap, Mattea Elizabeth Anne** (Urban Design Specialization – Co-operative Program) †

**Schnittke, Emily Charlotte** (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Sharma, Arjun** (Co-operative Program)

**Sifontes, Esabia Michelle** (Co-operative Program)

**Sikder, Somapty** (Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Singh, Ashwarya** (Co-operative Program) †

**Sivakumaran, Mayuri** (Urban Design Specialization – Co-operative Program) †

**Suchomel, Benjamin** (Geography and Environmental Management Minor – Co-operative Program) \*

**Tao, Christina Yanbing** (Co-operative Program) \*

**Thomson, Nicole Laura** (Land Development Planning Specialization – Co-operative Program) \*

**Tomaino, Elizabeth Grace** (Co-operative Program) \*

**Tong, Nathan Lon-Hin** (Land Use, Transportation, and Infrastructure Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Topping, Kirstin Ann** (Land Use, Transportation, and Infrastructure Planning Specialization – Co-operative Program) \*

**Tran, Fianna** (Urban Design Specialization – Co-operative Program) †

**Tu, Rachel May** (Land Development Planning Specialization – Co-operative Program)

**Valencia Rodriguez, Andres Alejandro** (Land Use, Transportation, and Infrastructure Planning Specialization – Urban Studies Minor – Co-operative Program) \*

**Wang, Ivy** (Geography and Environmental Management Minor – Co-operative Program) †

**Weisbrot, Jason Matthew** (Land Development Planning Specialization – Co-operative Program) †

**Wilson, Callum Stewart Swan** (Land Development Planning Specialization – Co-operative Program) †

**Wu, Hin Chung Aldwin** (Land Development Planning Specialization – Co-operative Program) \*

**Xu, Xinyu Amy** (Co-operative Program)

**Young, Doris** (Decision Support and Geographical Information Systems Specialization – Geography and Environmental Management Minor – Co-operative Program) \*

**Zaman, Tasfia** (Geography and Environmental Management Minor – Co-operative Program)

**Zhang, Jiarui** (Environment, Resources and Sustainability Minor, Geography and Environmental Management Minor – Co-operative Program)

**Zhou, Yuewei** (Urban Design Specialization – Co-operative Program) †

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## BACHELOR OF KNOWLEDGE INTEGRATION

### HONOURS PROGRAM

**Armstrong, Sophia Paige** (Environment, Resources and Sustainability Minor) †

**Burt, Katherine Elizabeth** (Collaborative Design Specialization – English Language and Literature Minor, International Studies Minor) \*

**Chaban, Alexander** (Knowledge Integration & Joint Honours Legal Studies – Peace and Conflict Studies Minor) †

**Chan, Marcus Sheung Lap** (Collaborative Design Specialization & Science, Technology & Society Specialization – Cognitive Science Minor, English Language and Literature Minor) \*

**Cowell, Tyler** (Science, Technology & Society Specialization – Urban Studies Minor) †

**Deshpande, Rachel Alisha** (Science, Technology & Society Specialization – Addictions, Mental Health and Policy Minor) \*

**Dey, Alisha Chandni** (Collaborative Design Specialization – Philosophy Minor) †

**Girouard, Caraline Elizabeth** (Cognitive Science Minor, Anthropology Minor) †

**Klassen, Joel** (Computing Minor, Philosophy Minor) †

**Lam, Lilian** (Performance Creation Minor) †

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\* – Distinction

† – Dean's Honours

**Macatangay, Jeanelle Valerie**  
**Abanilla** (Science, Technology & Society Specialization) \*

**Matsuo, Alana Sanaye** (Gender and Social Justice Minor) †

**Morley, John Brennan** (Philosophy Minor) \*

**Patterson, William Glassey** (Philosophy Minor) \*

**Schaefer, Nyah Lynne** (Collaborative Design Specialization – Digital Arts Communication Minor, Psychology Minor) †

**Thomas, Sophie Helene Teresa** (Computing Minor, Geography and Environmental Management Minor) †

**VanderKooi, Rachel Hogan** (Management Studies Minor)

**Wong, Ryan Kwan Yue** \*

**DIPLOMA IN CREATIVE WRITING**  
Ljepava, Angela

**DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION**  
Argueta, Cristy Alena  
Button, Alexa  
Goodale, Athena Jade Brooklynn  
Miracle  
Guy, Isabella Grace  
Jones, Éloïse Sophie  
Jones, Mary Katherine  
Kubasta, Katja Bianca  
LaI, Neha Jayesh  
McManus, Keira Elizabeth  
Nguyen, Monica  
Nicholson, Allisa Mae  
Owsley, Esther  
Phillips, Kiernan Francis  
Roberts, Jessica Anna  
Turk, Danielle Jacqueline  
Zhang, Yixuan

**DIPLOMA IN ENVIRONMENTAL ASSESSMENT**  
Al Masroori, Aisha Salim  
Andre, Hugo  
Barrera Jaimes, Karemnia Alejandra  
Bose, Priyangshi  
Brunelle, Hannah Danielle  
Chen, Terrence  
Dabrowski, Katherine  
Dong, Tony  
Fencott, Sarah Brook  
Goodale, Athena Jade Brooklynn  
Miracle  
Guy, Isabella Grace  
Kellough, Andrew Jeffery Jason  
Laperle, Emma Anne  
Lawrence, Dylan Hackett  
Lee, Ching Yee

Lehouillier, Jamie  
Ling, Jun Jie  
McCrae, Carter Richard Bruce  
McManus, Keira Elizabeth  
Mohindru, Jassimrit  
Morant, Aliyah Erica  
Nguyen, Monica  
Nicholson, Allisa Mae  
Phillips, Kiernan Francis  
Queiroz De Souza, Daniel  
Rosen, Milan Rumi  
Ryan, Tara Ada  
Serag Eldin, Mostafa  
Thavanayagam, Thiviya  
Turk, Danielle Jacqueline  
Williams, Chaz  
Wilson, Lina Ayyash  
Yu, Nicole Wing Hin  
Zarin, Tabassum  
Zhang, Jiarui

**DIPLOMA IN FRENCH LANGUAGE II**  
Ibrahim, Salma Ahmed Mohamed  
Hafez  
Nguyen, Trisha  
Peracha, Elsa  
Wilson, Callum Stewart Swan

**DIPLOMA IN FUTURE CITIES**  
Armstrong, Sophia Paige  
Laperle, Emma Anne  
Ljepava, Angela  
Thomas, Sophie Helene Teresa

**DIPLOMA IN KOREAN LANGUAGE I**  
Lau, Pui Yam

**DIPLOMA IN SPANISH LANGUAGE I**  
Michael Handal, Alexander M.

**DIPLOMA IN SUSTAINABILITY**  
Dabydeen, Ricardo Darius  
Deshpande, Rachel Alisha  
Dinsmore, Raianne Richeal Patricia  
Ghosh, Shohaum  
Kalra, Karen  
Lau, Jessica Yuen San  
MacDonald, Hanna Lillian  
O'Drowsky, Renee Lynne  
Soni, Madhav  
Veljkovic, Emilia  
Vu, Hong Anh

**DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS**  
Al Lamki, Deema  
Bondi, Luca  
Cardoza, Chase Riley

Chan, Kaylie  
Chan, Kwun Sing  
Cheung, Harry  
Corriveau, Matthew Richard  
Das, Shantanu Banerji  
Egbunike, Ngozi Bibiana  
El-Batroukh, Salma  
Gurjar, Aaditya Deepak  
Ilyes, Robert  
Kwong, Steve  
Litt, Kurtis Richard  
Luckhai, Kieran Surav  
Morrison, Megan Ashly Ellen  
Peracha, Elsa  
Que, Brandon Fan  
Sabapathi, Rosani  
Sikder, Somapty  
Tong, Nathan Lon-Hin  
Toy, Matthew Ethan Chow  
Victor Challa, Nikith  
Wang, Ivy  
Xiang, Jessica  
Zhou, Mengtan

**CERTIFICATE IN EXPERIENTIAL EDUCATION**  
Corriveau, Matthew Richard  
Goodale, Athena Jade Brooklynn  
Miracle  
Tong, Cheuk Hei

**CERTIFICATE IN GLOBAL EXPERIENCE**  
Gonçalves, Emily Pires  
MacDonald, Hanna Lillian  
Schnurr, Elizabeth Anne Tran

\* – Distinction  
† – Dean's Honours

# Outstanding achievements

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## MEDALS AND AWARDS

### GOVERNOR GENERAL’S ACADEMIC GOLD MEDAL

Highest standing in a doctoral program  
Michelle Anagnostou

### UNIVERSITY FINALIST FOR THE GOVERNOR GENERAL’S GOLD MEDAL

Master’s  
Felicia Mae Watterodt

### THE UNIVERSITY OF WATERLOO PRESIDENT’S AWARD OF EXCELLENCE

Highest standing in an  
undergraduate degree program  
Neha Jayesh Lal

### THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Outstanding academic achievement  
Eloise Amy Fan (Fall 2024)

## DEPARTMENTAL AWARDS

### Distinguished academic achievement

Environment and Business  
Salma Ahmed Mohamed Hafez Ibrahim

Environment, Resources and Sustainability  
Eloise Amy Fan (Fall 2024)

Geography and Aviation  
Jason Szilard Simrak

Geography and Environmental Management  
Benjamin Peter DePetrís

Geomatics  
Harry Cheung

Knowledge Integration  
Sophia Paige Melody Armstrong

Planning  
Ricardo Darius Dabydeen

International Development  
Alexander John Walton

# Waterloo brings home the gold

*Alumni Gold Medal recipients share in the pursuit of discovery, so we created a lasting symbol to honour their achievements.*

Since 1970, Alumni Gold Medals have graced the convocation gowns of our top undergraduate and graduate students. The Royal Canadian Mint produced these medals in the past – but in the true spirit of Waterloo, we’ve decided to make them ourselves.

Carefully crafted on campus in state-of-the-art labs, each medal is created out of nickel superalloy using a 3D printer. The surface is finished by hand to produce a brilliant shine. Through the process of electroplating, the medal is then coated in 24-carat gold. The result is a tribute to Waterloo’s most accomplished graduates, made for each proud recipient by members of the University community.



GO INSIDE THE LAB AT  
[uwaterloo.ca/alumni/alumni-gold-medals](https://uwaterloo.ca/alumni/alumni-gold-medals)

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**CONGRATULATIONS TO THIS YEAR’S ALUMNI GOLD MEDAL RECIPIENTS.  
YOU HAVE MUCH TO CELEBRATE, AND EVEN MORE TO ANTICIPATE  
IN YOUR FUTURE AS UNIVERSITY OF WATERLOO ALUMNI.**

# *Our tradition of regalia*

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## **THE GOWN**

At the University of Waterloo, as at most universities, academic robes are worn only on these special occasions. In the Middle Ages, robes were everyday clothing, and some students were so poor they had nothing else to wear. The black wrapper now called a “gown” served them as jacket, coat and sometimes bedclothes. Stone college buildings of the Middle Ages were unheated and the colourful “hood” could be pulled up to help keep out the cold wind. Today, the officers of the University, faculty members and graduating students all wear garments that are symbolic, not functional.

The scholars and students in long-ago universities were generally monks and other members of church orders. Over time, their vestments came to identify their universities. There are many variations, and the exact hood, gown or hat worn by an individual are determined by the university where they qualified. The array of colours and styles demonstrates the worldwide range of universities from which Waterloo’s faculty have come.

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## **THE HOOD**

Hoods are unique in design and colour to each degree and each university. The academic dress chosen for Waterloo is patterned after that of Oxford, the world’s oldest English-speaking university. The chief officers on the convocation platform – the chancellor (the ceremonial head of the University) and the president (who is also vice-chancellor) – wear gowns of the Oxford cut and trim, each with its own distinctive colour. The gowns worn by recipients of honorary degrees have the same design, as do the black gowns worn by candidates for regular degrees, and the red-and-green gowns which are Waterloo’s regalia for Doctor of Philosophy degrees.

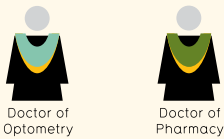
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

# Academic dress

## BACHELOR'S



## PROFESSIONAL DOCTORATE



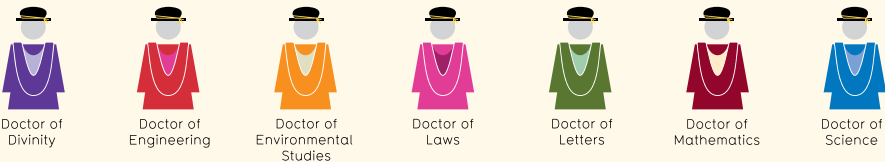
## MASTER'S



## DOCTORAL



## HONORARY DOCTORATE





# CONVOGATION



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

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