



ONE HUNDRED AND TWENTY-EIGHTH CONVOCATION

CONVOCATION

**TUESDAY
JUNE
11
2024**

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.

Table of Contents

TUESDAY, JUNE 11, 2024

CONGRATULATIONS

Message from the Chancellor	4
Message from the President and Vice-Chancellor	5
Message from the Alumni Council Chair	6

OUR TRADITION OF CONVOCATION

A Calling Together	7
Connecting with Tradition	7
The Procession	8
The Mace	8
The Coat of Arms and Motto	9
Degrees and Honorary Degrees	9
Eagle Staff	10

DISTINGUISHED UNIVERSITY MEMBERS AND AWARDS

Honorary Doctorates	11
Distinguished Professors Emeriti	14
Honorary Members of the University	16
Guest Speaker	18
Valedictorians	19

CEREMONY

Graduate Degrees	20
Undergraduate Degrees	22
Outstanding Achievements	29

OUR TRADITION OF REGALIA

The Gown	31
The Hood	31

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 graduands, family members and friends, faculty, staff and alumni to the Spring 2024 Convocation.

As Chancellor of the University of Waterloo, it is my honour to preside over this ceremony.

This is a bittersweet convocation for me as it is my last as Chancellor. Though I formally leave this role, I, like you, will forever have a connection to this extraordinary institution.

Over the past six years, I have been constantly inspired by the ingenuity, passion and drive of the University of Waterloo's community. During the pandemic, their resiliency, dedication and enthusiasm were well on display. Each individual is so dedicated to making the world a better place for others. The people at Waterloo are principled, honest and hard-working. They have the skillsets and the network to effectively navigate an uncertain future.

The University of Waterloo was founded in extraordinary times, and as a result generates extraordinary leaders. Today, Waterloo brings together a unique combination of the "practical" (largely through co-op and experiential learning) and the "pure" (in terms of fundamental research). Waterloo grads are leaders who are capable and driven to address whatever lies in their path.

Convocation recognizes the achievements of our graduates and their shift to our alumni family. Since the institution's inception in 1957, we have conferred nearly 250,000 degrees and certificates. Our alumni community extends to more than 150 countries and offers a network regardless of where the future takes our graduates.

Waterloo is a community of innovative leaders who seek out ways to solve the big problems of our time. These solutions are needed more than ever as we face profound disruptions and transformations across health, the economy, technology, sustainability, and society. While the challenges may seem dire, they also lend themselves to opportunities like we've never seen before. The world needs Waterloo graduates to harness all their experiences to lead and shape the future. The knowledge and creativity they have developed at the University of Waterloo has prepared them to be the leaders the world needs.

As our graduates cross the stage, they will bear the privilege and responsibility of bringing the spirit and values of this distinguished institution with them, wherever their lives may lead. They now have an opportunity to shape a better, more equitable world through their careers and community involvement.

Congratulations to all of our graduates and thank you for continuing the Waterloo tradition of excellence.



A handwritten signature in black ink that reads "Dominic Barton". The signature is written in a cursive, flowing style.

DOMINIC BARTON
Chancellor

**“THE UNIVERSITY OF WATERLOO WAS FOUNDED IN EXTRAORDINARY TIMES,
AND AS A RESULT GENERATES EXTRAORDINARY LEADERS.”**

Message from the President and Vice-Chancellor

Congratulations to the Class of 2024.

We are so pleased to welcome our graduates and their family, friends and supporters to recognize their accomplishments.

Today's ceremony celebrates the hard work and dedication of our students during their time at the University of Waterloo. A Waterloo degree is a culmination of lessons, relationships and experiences. Whether students choose co-op, undertake an entrepreneurial venture or explore courses or opportunities outside their disciplines, Waterloo provides an environment for them to explore their passions and be unconventionally bold.

The success of our students is shared by those in their support networks. To everyone who has supported our students, thank you for being there during the highs and lows of their academic journey.

I also wish to recognize Dominic Barton, who is completing his second and final term as the 11th Chancellor of the University of Waterloo. Dominic has been a consistent champion of the University, its students and alumni. We are grateful for his contributions.

Our institution's rich history, and the success of our alumni, is rooted in community. As graduates transition from student to alumni, I hope each will become an active member of our global Waterloo alumni community.

At Waterloo, we pride ourselves on identifying and solving big, complex challenges facing our world.

This happens not only on our campuses, but across the globe through our network of alumni. While there are multiple compounding crises facing our world, there are amazing opportunities to implement innovative solutions to them. Each new graduate is among the future leaders and changemakers who can help address these challenges and build a better future for humanity and our planet.

I look forward to watching them make an impact on their communities and the world.

We all have an opportunity, and a responsibility, to positively impact those around us. Let's all work together to help shape the world for the better.

*On behalf of the
University of Waterloo,
I wish our graduates
all the best in the
journey ahead.*



Vivek Goel

VIVEK GOEL

CM

President and Vice-Chancellor

**“OUR INSTITUTION’S RICH HISTORY, AND THE SUCCESS
OF OUR ALUMNI, IS ROOTED IN COMMUNITY.”**

Message from the Alumni Council Chair

Congratulations Class of 2024!

On behalf of the University of Waterloo's Alumni Council and your fellow alumni, congratulations on the successful completion of your degree. You demonstrated hard work, dedication and resilience. We are proud of you and delighted to welcome you as the newest members of our community.

Graduation is a significant milestone for you both personally and professionally. I encourage you to celebrate your achievement and take time to appreciate the people in your life that helped you along the way – your family, friends, classmates and teachers.

As you look ahead to the next phase of your life, I'm confident that your time at Waterloo has prepared you well. You have the expertise, creativity, and resourcefulness to tackle whatever problem you choose. The future is a bright and exciting one, longstanding practices are changing and there is opportunity for new ideas to break through. You are ready for whatever comes your way.

Welcome to a network of what will be over 250,000 alumni, connected by their experiences at Waterloo.

Throughout your career, I encourage you to stay connected to your alumni community. There are more than 246,000 of us and we are here to support you as you work towards your goals. You can contact Waterloo alumni from anywhere in the world – through our Global Ambassadors, Alumni Chapters, and online groups.

I also hope you will join me in sharing your time, knowledge and passion with the University. It is rewarding to volunteer with other talented alumni and your unique perspective can benefit future graduates more than you know.

Congratulations once again on your graduation. You have much to be proud of and a very bright future ahead of you!

I wish you all the best.



A handwritten signature in black ink that reads "Diana Vangelisti".

DIANA VANGELISTI

BES '84 MA '89

Chair, University of Waterloo Alumni Council

**“THERE WILL BE MORE THAN 250,000 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

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 chief 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.

CONNECTING WITH TRADITION

At Waterloo's first convocation in June 1960, the guest speaker was James J. Talman of the University of Western Ontario, 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."

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.

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 strive 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, as well of 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.

THE COAT OF ARMS AND MOTTO

The lions and chevrons also appear on the shield that is the University's coat of arms and that 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."

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.

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 President and Vice-Chancellor, Vivek Goel, 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.



“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.

SHERYL KENNEDY

BES, MPA

Doctor of Environmental Studies,
honoris causa

TUESDAY, JUNE 11 / MORNING CEREMONY



Sheryl Kennedy exemplifies leadership for societal impact. Working first as an urban and regional planner, then in the federal public service, she was appointed deputy governor of the Bank of Canada in 1994. A Women in Capital Markets Leadership Award winner, Kennedy was also honoured as a trailblazer and trendsetter, one of Canada's Top 100 Most Powerful Women. In 2009, as CEO, she established the Canadian affiliate of the global consulting firm, Promontory Financial Group. Kennedy has served on several boards, including the University of Waterloo Board of Governors, where she was the driving force behind enhancing investment fund portfolios and policies and chaired the Responsible Investing Advisory Group. She graduated with a bachelor's degree from Waterloo, a master's in public administration from Harvard, and studied financial markets at the London School of Economics.

RICK HANSEN

CC, OBC

Doctor of Laws, *honoris causa*

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



Rick Hansen graduated from the University of British Columbia; he was the first person with a physical disability to graduate with a degree in physical education. He is best known as the "Man In Motion" for undertaking an epic 26-month, 40,000 km journey around the world in his wheelchair. Hansen is also a three-time world champion, nine-time Pan Am gold medalist, and six-time Paralympic medalist. He is the founder of the Rick Hansen Foundation, an organization committed to creating an inclusive world where people with disabilities are living to their full potential. The Rick Hansen Foundation Accessibility Certification™ (RHFAC) is the only program that rates, certifies and showcases accessible building based on their level of meaningful access for persons with mobility, vision and hearing disabilities. To date, more than 1,350 sites across Canada have been rated through the program.

VINTON CERF

PhD

Doctor of Mathematics, *honoris causa*

WEDNESDAY, JUNE 12 / MORNING CEREMONY



Dr. Vinton Cerf is widely credited as one of the "fathers of the internet", having co-developed the original suite of TCP/IP protocols and the architecture of the internet. He also contributes to global policy development and currently works as chief internet evangelist at Google. Cerf has received numerous awards, including the Turing Award, and the Presidential Medal of Freedom, the highest civilian honour of the United States. He has also received numerous honorary degrees from universities including ETH Zürich and Yale University, and fellowships of learned societies in his field. Cerf received his bachelor's degree from Stanford University, and his master's and PhD degrees from the University of California, Los Angeles.

IAN STEWART

MA, PhD

Doctor of Mathematics, *honoris causa*

WEDNESDAY, JUNE 12 / EVENING CEREMONY



Dr. Ian Stewart received his PhD from the University of Warwick, where he is currently an Emeritus Professor in Mathematics. He divides his time equally between research into nonlinear dynamics and furthering public awareness of mathematics. In 1995, he received the Michael Faraday Medal for excellence in communicating science to U.K. audiences and in 1997 he gave the Royal Institution Christmas Lecture on The Magical Maze. He was elected as a Fellow of the Royal Society of London in 2001, and was the first recipient of the Christopher Zeeman Medal, awarded for his work on promoting mathematics.

SCOTT TREMAINE

BSc, MA, PhD, DSc

Doctor of Science, *honoris causa*

FRIDAY, JUNE 14 / AFTERNOON CEREMONY



Dr. Scott Tremaine is an acclaimed Canadian astrophysicist, known for establishing the theory that supermassive black holes are at the core of galaxies. A graduate of McMaster University and Princeton University, he has held pivotal roles, including founding director of the Canadian Institute for Theoretical Astrophysics and Chair of Astrophysics at Princeton University. Tremaine's seminal textbook, *Galactic Dynamics*, is a cornerstone in astrophysics. His honours include fellowships in the Royal Society of Canada, the Royal Society of London, and the American Astronomical Society, reflecting his profound influence on the field.

BRADLEY J. REGEHR

BA, LLB, KC

Doctor of Letters, *honoris causa*

THURSDAY, JUNE 13 / AFTERNOON CEREMONY



Bradley J. Regehr is a member of the Peter Ballantyne Cree Nation in Saskatchewan. He earned his Honours BA in History from the University of Waterloo in 1993, and his LLB from the University of Manitoba in 1996. He was called to the Bar in 1997 and is presently a partner at Maurice Law, and King's Counsel in the Province of Manitoba. Regehr has served as president of the Manitoba Bar Association, and president of the Canadian Bar Association, the first Indigenous lawyer to hold these offices. His work includes educating all Canadians about Indigenous issues and building cultural competency to address trauma.

CLAUDETTE MCGOWAN

BA, MBA

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / MORNING CEREMONY



Claudette McGowan is a global IT leader, excelling in digital transformations, service enhancements and cyber security. She has driven innovation at Deloitte, the Metropolitan Police, BMO and TD Bank. At TD, she was the global executive officer for cyber security. She is now CEO of Protexxa and co-founder of The Firehood network for women in tech. McGowan holds a BA from Lakehead University and an MBA from Athabasca University. She has been named as one of the Top 50 Most Influential Torontonians by Toronto Life magazine and was featured in the Women's Executive Network's Top 100 Most Powerful Women in Canada.

DAVID CORNFIELD

BASc

and

LINDA ARCHER CORNFIELD

BS, MS

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / AFTERNOON CEREMONY



David and Linda Archer Cornfield are passionate advocates for education who believe in supporting initiatives focused on finding solutions for global challenges. David, hailing from Toronto, holds a BASc in Systems Design Engineering from the University of Waterloo. Linda, a Cincinnati native, earned her BS in Applied Science from Miami University and an MS in Management from MIT Sloan School of Management. Following successful careers at Microsoft, they chose to pursue their shared interests of sailing, curling, travel, philanthropy and technology ventures. Dedicated environmentalists, the Cornfield's work aims to find pragmatic, sustainable approaches to better stewardship of the earth.

BRUCE KUWABARA

BArch

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / EVENING CEREMONY



Bruce Kuwabara is one of Canada's most outstanding architects, recipient of the RAIC Gold Medal and the OAA Lifetime Achievement Award. In 2012, he became an Officer of the Order of Canada. Born in Hamilton, he graduated from the University of Toronto. He is chair of the Board of Trustees for the Canadian Centre for Architecture in Montreal. A founding partner of KPMB Architects, he is the designer of Canada's National Ballet School, the Canadian Museum of Nature, the TIFF Bell Lightbox, and many others across Canada and the United States. His influence is felt locally as the designer of Kitchener City Hall, the Balsillie School of International Affairs and the Grand Valley Institution for Women. He has taught at the Waterloo School of Architecture and has been generous in his support of its initiatives.

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.

RHONA HANNING

PhD, FDC, FCNS-SCN

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



Dr. Rhona Hanning retired at the rank of professor from the School of Public Health Sciences. She is recognised for her significant impact on community-based participatory food and nutrition research with Indigenous communities, food and nutrition policy and program evaluation, and dietary assessment including development, application and evaluation of novel technologies. Hanning was appointed a Fellow of Dietitians of Canada, one of the highest honours of the profession. While at Waterloo, she served in governance roles including associate dean of the Faculty of Health. Her exemplary student mentorship was recognised with the University of Waterloo Award of Excellence in Graduate Supervision.

IAN MUNRO

BA, MSc, PhD

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY



Dr. Ian Munro is a world research leader in data structures and algorithms, most notably in highly space efficient data structures. He served as a faculty member in computer science at Waterloo for almost 52 years, including 21 years as Tier 1 Canada Research Chair in Algorithm Design, and supervised 26 PhD students and more than 70 master's students. Munro has authored over 250 research papers and has been recognized as Fellow of the Royal Society of Canada and the Association for Computing Machinery. He is a recipient of the Canadian Association for Computer Science Lifetime Achievement Award and Pioneer of Computing in Canada and was given the designation University Professor by the University of Waterloo.

RON MCCARVILLE

BSc, BEd, MRec, PhD

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



Dr. Ron McCarville earned his BSc, BEd and MRec from Acadia University, and a PhD from Texas A&M University. He joined the Department of Recreation and Leisure Studies at the University of Waterloo in 1989 and was promoted to full professor in 2001. McCarville's contributions are celebrated globally for his groundbreaking work in leisure marketing and service pricing. His expertise in strategic pricing and service quality garnered him international acclaim, culminating in his election to the Academy of Leisure Sciences. McCarville's exceptional teaching earned him the Distinguished Teacher Award in 2003.

COLIN MACLEOD

BA, PhD, RSOC

Faculty of Arts

THURSDAY, JUNE 13 / AFTERNOON CEREMONY



Dr. Colin MacLeod retired in 2022 from the Department of Psychology after 19 years of service preceded by 25 years of service at the University of Toronto. MacLeod is recognized as one of the foremost experts in the world on the subject of attention, learning, and memory. His excellence in scholarship has been recognized in numerous ways including being an elected fellow of the Association for Psychological Science, the American Psychological Association, the Psychonomic Society, the Canadian Psychological Association, and the Canadian Society for Brain, Behaviour, and Cognitive Science. In 2016, he was elected a Fellow of the Royal Society of Canada.

PATRICIA O'BRIEN

PhD

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



Dr. Patricia O'Brien is one of the most highly regarded accounting scholars in Canada. Named Ernst & Young Professor of Accounting in 2004, she retired from the School of Accounting and Finance after 20 years of service. O'Brien is known worldwide for her research related to financial analysts as information intermediaries, a field she pioneered in the 1980s. Her notable publishing contributions include the co-authored textbook, *Financial Accounting Theory*, used internationally, and her role as editor-in-chief of *Contemporary Accounting Research*, a premier accounting journal. O'Brien was the first woman recipient of the prestigious Haim Falk Award for Distinguished Contribution to Accounting Thought by the Canadian Academic Accounting Association.

CHRISTINE WIEDMAN

MAcc, PhD, FCPA

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



Dr. Christine Wiedman is a highly regarded and widely published accounting scholar and an expert in understanding how capital markets rely on accounting information. Wiedman has provided input and oversight into the activities of standard setters by serving on the Academic Advisory Council to the Accounting Standards Board from 2005 to 2017 and the Accounting Standards Oversight Council since 2017. In her 28-year career, she has received the distinction of Fellow of the Institute of Chartered Accountants Ontario, the University of Waterloo's Outstanding Performance Award in Teaching and Scholarship, and numerous other best-paper and teaching awards. In 2020, Wiedman was recognized with the L.S. Rosen Outstanding Educator Award.

ALAN WEBB

BComm, PhD

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



Dr. Alan Webb retired from the School of Accounting and Finance after 23 years of service. He is one of the most prolific and widely acknowledged scholars on motivating, assessing and rewarding employee performance through the management control system of an organization. His primary research examines behavioural consequences of system control elements such as targets, incentive schemes and the motivational effects of non-cash rewards. Webb has received the Lifetime Contribution to Management Accounting Award from the American Accounting Association's Management Accounting Section, the L.S. Rosen Outstanding Educator Award from the Canadian Academic Accounting Association, and Waterloo's Outstanding Performance Award in 2013 and 2011, along with numerous other research awards.

NEIL THOMSON

BASc, MASc, PhD, PEng

Faculty of Engineering

SATURDAY, JUNE 15 / EVENING CEREMONY



Dr. Neil Thomson, professor of civil and environmental engineering at the University of Waterloo, has made important contributions to a diverse range of fields throughout his career. Formerly chair of the Department of Civil and Environmental Engineering, Dr. Thomson has expertise spanning more than 30 years in subsurface contaminant fate and remediation. As leader of the Soil and Groundwater Remediation Engineering Group, his work covers emerging technologies such as chemical oxidants and functional nanoparticles. Thomson has earned recognition including multiple outstanding performance awards and the Sir Sanford Fleming Teaching Excellence Award for commitment to the development and enrichment of engineering education at Waterloo.

Honorary Members of the University

The Honorary Member of the University designation is the highest honour a staff member can obtain at the University of Waterloo and is granted upon retirement. It recognizes the individual for outstanding service to the University as a whole, not limited to one department or faculty. For faculty members, it recognizes distinctive administrative service to the University.



JEAN ANDREY

BA, MSc, PhD
Faculty of Environment
TUESDAY, JUNE 11 / MORNING CEREMONY

Dr. Jean Andrey, professor emeritus and former dean of the Faculty of Environment, left an indelible mark on Waterloo and beyond, as a scholar, administrator and champion for sustainability. Following completion of her PhD, Andrey joined the Department of Geography and Environmental Management as an assistant professor, rising through the ranks to full professor in 2009. A dedicated educator, scholar and colleague, Andrey had an excellent record of teaching, supervision, publication and service both at Waterloo and to her discipline. During her tenure as dean, Andrey was integral to launching and advancing Waterloo's sustainability strategy and policy and establishing SDSN Canada to co-ordinate the post-secondary sector's implementation of the UN Sustainable Development Goals.



TINA ROBERTS

BSc
Faculty of Health
TUESDAY, JUNE 11 / AFTERNOON CEREMONY

Tina graduated in 1980 from Health Studies at Waterloo and began her career as a liaison officer and academic advisor in the Faculty of Health (Applied Health Sciences at that time). With the encouragement of her dean, she was one of the first on campus to learn about marketing post-secondary institutions. She attended industry conferences to learn the principles of marketing higher education from experts who had acquired experience at institutions in the United States. Tina worked in the Faculty, overseeing liaison, marketing, recruitment and communications until 1997 when she became the inaugural director of Marketing and Undergraduate Recruitment centrally for the University.



MARGARET BURNETT

MSc
Faculty of Health
TUESDAY, JUNE 11 / AFTERNOON CEREMONY

Margaret Burnett has a BSc and MSc in Kinesiology from the University of Waterloo. Her career at Waterloo began in 1981 as a research assistant in Dr. Howie Green's muscle physiology laboratory. In 1982, she became the biochemistry lab manager before being hired by the Department of Kinesiology to be the lab and admin co-ordinator in 1999. Burnett then became the first administrative officer for the Department of Kinesiology and Health Sciences, a position she held until her retirement in 2023, marking an impressive 40-year career at the University of Waterloo.

LAWRENCE FOLLAND

BSc, MSc

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY



Lawrence Folland joined the University of Waterloo's nascent Computer Science Computing Facility (CSCF) in 2003, after previously working as a technology specialist in the software industry. He oversaw the formation and evolution of CSCF's outstanding research computing support group which he led until his retirement in 2022. He also served as the president of the University of Waterloo Staff Association from 2019 to 2020, and ensured operational continuity during the lockdowns resulting from the COVID-19 pandemic. Folland also distinguished himself as a tireless Waterloo community volunteer. He co-founded the University of Waterloo Computer Museum and remains committed to this initiative, which will serve as a focal point for community outreach and public relations.

MURRAY ZINK

BASc, MASc, BEd, PEng

Faculty of Engineering

FRIDAY, JUNE 14 / EVENING CEREMONY



Murray Zink recently retired after more than 15 years of service as an instructional support co-ordinator at the University of Waterloo. He earned his BASc and MASc in Mechanical Engineering at Waterloo before going on to complete a BEd at Brock University. From collaborating with campus initiatives to diverting thousands of pounds of waste, Zink has cultivated a campus-wide ethos of repair and resourcefulness. He is the driving force behind 4RepairKW, a grassroots movement fostering repair culture in Kitchener-Waterloo. Zink's passion for repairing comes from early experiences fixing machinery on his family's farm.

DONNA SUTHERLAND

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



Donna Sutherland joined the University of Waterloo in 1982 serving in the Distance Education Office. Over the next 38 years she also served in the Registrar's Office as well as the faculties of Health and Arts. Sutherland's career culminated with close to 20 years as the administrative officer for the School of Accounting and Finance. She served admirably during a period of significant growth in programs, staff and faculty, and her impact continues as staff she mentored serve across campus. Delaying her retirement to help navigate the pandemic, Sutherland retired in 2020 after multiple decades of exemplary service to the University.

DAVID KIBBLE

BASc

Faculty of Engineering

SATURDAY, JUNE 15 / AFTERNOON CEREMONY



David Kibble has played a central role in the evolution of information technology at the University of Waterloo. After earning his BSc in Chemical Engineering in 1983 from Waterloo, he joined the university as a programmer and analyst. Through various roles, including director of information systems and later strategic consultant, Kibble spearheaded transformative initiatives, including the University's Data as a Strategic Resource program. His leadership helped usher in pioneering systems like Quest and WatIAM. His dedication extended to mentoring, committee service, and sharing expertise across disciplines.

Guest Speaker

YVONNE STEVENS

BSc, MSc

Faculty of Science

FRIDAY, JUNE 14 / MORNING CEREMONY



Yvonne Stevens graduated from the University of Waterloo with a BSc in 1995 and an MSc in 1998 and attributes her graduate research in molecular plant biology for sparking her passion for molecular methods in manipulating DNA, and the wealth of possibilities such research could unleash. Stevens went on to research HIV treatments at the University of Washington's Primate Research Centre before joining InBios International, specializing in FDA-approved diagnostic kits for infectious diseases like West Nile and Dengue Fever. After 10 years, she transitioned to quality control at Juno Therapeutics (later acquired by Bristol Myer Squibb) and played a key role in immunotherapy advancements. Currently, Stevens is the director of quality control at Lyell Immunopharma in Seattle, a clinical-stage T-cell reprogramming company advancing cell therapies for patients with solid tumors.

Valedictorians

Emma Schuster

Faculty of Environment

TUESDAY, JUNE 11 / MORNING CEREMONY

Kathleen Szajbely

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY

Hanwen (Wendy) Zhang

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY

Akam Pabla

Faculty of Mathematics

WEDNESDAY, JUNE 12 / AFTERNOON CEREMONY

Ahmed Ehab Khalil

Faculty of Arts

THURSDAY, JUNE 13 / MORNING CEREMONY

Lowenna Olowo Barungi

Faculty of Arts

THURSDAY, JUNE 13 / AFTERNOON CEREMONY

Natasha J. Chen

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY

Justen Wilmot

Faculty of Science

FRIDAY, JUNE 14 / MORNING CEREMONY

Olla Mohamad Ahmed Obied

Faculty of Science

FRIDAY, JUNE 14 / AFTERNOON CEREMONY

Shahed Saleh

Faculty of Engineering

FRIDAY, JUNE 14 / EVENING CEREMONY

Karim Al-Atrash

Faculty of Engineering

SATURDAY, JUNE 15 / MORNING CEREMONY

Matthew Kee

Faculty of Engineering

SATURDAY, JUNE 15 / AFTERNOON CEREMONY

Dominic Nguyen

Faculty of Engineering

SATURDAY, JUNE 15 / EVENING CEREMONY

Graduate Degrees

DOCTOR OF PHILOSOPHY

Alamenciak, Timothy James

(Social and Ecological Sustainability)
“Volunteer Participation in Ecological Restoration: Motivations, Organizations, and Conviviality”

Bajwa, Muhammad Moaz Tariq

(Sustainability Management)
“Analyzing Corporate Governance Mechanisms for Sustainability in Firms: From Concepts to Practices”

Beresford, Anna Theresa

(Social and Ecological Sustainability)
“A Pattern Language of Celtic Traditional Music and Dance for Social, Economic, and Ecological Regeneration”

Dallosch, Michael Arthur

(Geography)
“Assessment of Drivers of Algal Biomass in North American Great Lakes via Satellite Remote Sensing”

Finley, Sara (Geography)

“Lest the Taps Run Dry: Urban Infrastructure, Water Demands and Drought”

Fligg, Robert Allan (Geography)

“First Nation Land and Well-Being: Exploring the Relationship of First Nation Land Management Systems With Community Well-Being, Informality Within Land Management, and the Development of an Agent-Based First Nation Land-Use Voting Model for Experiments on Policy Adoption at Curve Lake First Nation”

Hill, Lowine Stella (Social and Ecological Sustainability)

“Understanding Island-Wide Intersectional Disaster Risk Governance: The Place of Social Networks in the Commonwealth of Dominica”

Knowles, Natalie Linda Bauer

(Geography)
“The Future of Canada’s Ski and Mountain Destination in an Era of Climate Change”

Patara, Saveena (Sustainability Management)

“Problematizing Eurocentric Sustainability Within the Context of Business Management and Exploring the Pluriversality of Sustainability”

Rauf, Muhammad Adil

(Sustainability Management)
“Sustainable Urban Development – A Nexus of Understanding, Methodology, and Governance”

Sandhu, Guneet (Sustainability Management)

“Water Secure and Climate Resilient Ontario: Developing a Transdisciplinary Water Risk Management Framework and Decision Support Tool to Guide Multi-Sector Sustainable Water Management Policies and Strategies”

Shantz, Emily Patricia (Geography)

“Exploring the Biopsychosocial Landscape of Chronic Illness: A Case Study of Systemic Lupus Erythematosus (SLE) From Epigenetics to Education”

Virgin, John Gregory (Geography)

“Radiative Forcing and Feedback Through the Lens of Solar Geoengineering”

Yuzwa, Jill Emily (Planning)

“The Liminality of Everyday Life – Creatives in the Context of the Islands Trust”

MASTER OF ARTS

Attema, David Arend (Planning)

Bisch, Kaitlyn (Planning)

Chandy, Johan (Planning)

Darling, Kristin (Planning)

Ferrara, Paul (Planning)

Mains, Leyla Pamela (Planning)

Rissis, Peterson Theodore (Planning)

Tang, Ngoc Bich (Geography)

Tigchelaar, Joy Anne (Planning)

MASTER OF CLIMATE CHANGE

Churchill, Callie Jean
Consens, Clementina Paula
Freigang, Tatum Moon
Jeraj, Zahra
Karthikaikumar, Karani
Mathanaraj, Abynanth
Nhio-son, Veronica Sila
Sugunathazan, Joanna
Sutcliffe, Juliet Claire
Vox, Isaac

MASTER OF DEVELOPMENT PRACTICE

Al-Shalah, Dina Ali Abduth
Aziz, K M Ayreen
Bari, Tamjid Shah
Dale, Lily Alice Eden
Desai, Rishabh Tarak
Gacheru, Vivian Njoki
Gao, Xiaomin
Jia, Yitong
Laredo Castro, Elizabeth
Nwachukwu, Kelechukwu Lucky
Yang, Ming

MASTER OF ECONOMIC DEVELOPMENT AND INNOVATION

Khan, Prince Khayyam
Rodriguez Larin, Alexandr
Starr, Caroline Suzanne
Zettel, Luke Anthony

MASTER OF ENVIRONMENT AND BUSINESS

Lamanna, Stefan Antonio Rainer
Lameman, Dawn Vanessa
Madamba, Elvin Anthony
Manley, Dalton
Martin, Kathryn
Mayer, Kerstin Marie
Pruett, Wade

MASTER OF ENVIRONMENTAL STUDIES

Abdelbaset, Maha Sobhey (Sustainability Management)

Capobianco, Ryan Francis Vincenzo (Social and Ecological Sustainability)

Chukwuemeka, Happiness Nneoma (Sustainability Management)

Crabbe, Mackenzie (Sustainability Management)

Cricenti, Giulia Ramazzini Salgado (Social and Ecological Sustainability)

Gajjar, Tirthaben Harshilkumar (Geography)

Giesbrecht, Michelle (Sustainability Management)

Grant, Richard St. Christopher (Planning)

Hannay, James Alexander Licsik (Social and Ecological Sustainability)
Harper, Jacqueline Elizabeth (Geography)
Hu, Joshua Oliver Samuel (Planning)
Huynh, Hoang-Thy (Social and Ecological Sustainability)
Issett, Melanie Lynn (Sustainability Management)
Jones, Devon Mackenzie (Geography)
Madanayake, Maduni Pavithra (Planning)
Marshall, Sarah Natalie (Planning)
Mason, Adrienne (Environment and Resource Studies)
Mitchell, Madeline Frances (Social and Ecological Sustainability)
Modol, Sebastien (Sustainability Management)
Moges, Haimanot Gebrehiwot (Sustainability Management)
Naval, Redmond (Social and Ecological Sustainability)
Nsair, Suemiya (Planning)
Post, Alexandra Davies (Social and Ecological Sustainability)
Sandhu, Sawroop Kaur (Planning)
Snyder, Mary Rosalind (Social and Ecological Sustainability)
St Amand, Chloé Madeleine Lee (Social and Ecological Sustainability - Water)
Yousuf, Mohamed Ekrima (Sustainability Management)
Zarandi, Arghavan (Geography)
Zhang, Mingming (Sustainability Management)
Zhang, Zhehan (Planning)
Zhou, Haochen (Geography)

MASTER OF PLANNING

Hamelin, Ryan Mitchell
Ho, Joyce
Jara Moreno, Lucia
Johal, Sharondeep Kaur
Ta, Alicia Shelley

MASTER OF SCIENCE

Cao, Yuanhao (Geography)
Du, Jiayi (Geography)
Giura, Brandon Nicholas (Geography)
Hu, Jingyi (Geography)
Li, Xuxuan (Geography)

Liu, Xuanchen (Geography)
Senthilkumaran, Akash (Geography)
Shingler, Abigail (Geography)
Wagner, Monika Doreen (Geography)
Welch, Jeffrey James (Geography)

GRADUATE DIPLOMA

Doyle, Kathryn Alexis (Climate Risk Management)
George, Anju (Planning)
Jarvis, Samantha Kearney (Climate Risk Management)
MacLeod, Connor (Climate Risk Management)
Samanta, Monojit (Climate Risk Management)
St John, Shari (Climate Risk Management)
Stewart, Gillian Myra Cameron (Climate Risk Management)
Vandenberg, Caleb John (Climate Risk Management)
Yedynak, Nicolas (Climate Risk Management)

GRADUATE CERTIFICATE

Chen, Yixin (University Teaching)

Undergraduate Degrees

BACHELOR OF ENVIRONMENTAL STUDIES

GENERAL GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT – THREE YEAR

Andrade, Mateo Moroni

Colman, Jake (Aviation Specialization)

Delorenzis, Natalizia

Dutto, Jacob Gabriel

Hassan, Mohammed Ali (Aviation Specialization)

Honchar, Mack Elliott

Johnston, Mackenzie James Ellard

Joshi, Nitish

Lau, Jacob King-Leun

Leblanc-Robins, Kennedy Hope

Lewis, Emma Jane (Parks Minor)

Li, Yi Jia

Moussavi, Axel Jacob (Aviation Specialization)

O'Brien, William Jerome Lawrence

Qureshi, Shaheer

Saïde Abu Ganem, Nadeer (Aviation Specialization) *

Schwarz, Maegen-Rose (Anthropology Minor)

HONOURS ENVIRONMENT AND BUSINESS

Ridham (Economics Minor – Co-operative Program)

Abbas, Nanda (Co-operative Program) *

Ai, Ruiyang (Co-operative Program) *

Ang, Asser Sigmund Enoc (Co-operative Program)

Angkasa, Michelle (Co-operative Program) †

Atekulla, Abdullah (Co-operative Program) *

Aziz, Muhammad Hamza (Co-operative Program)

Bell, Aedan James Edward (Co-operative Program)

Bhamrah, Preet Raj (Co-operative Program) *

Boyes, Kaci Dawn (Geography and Environmental Management Minor – Co-operative Program) †

Chandhok, Yatharth (Legal Studies Minor – Co-operative Program)

Chen, Karen (Geography and Environmental Management Minor, Urban Studies Minor – Co-operative Program) †

Cheung, Emma (Co-operative Program) †

Choonilall, Rebecca Renuka (Geography and Environmental Management Minor – Co-operative Program) *

Choonilall, Romona Ambalika (Co-operative Program)

Chutter, Kayla Jordyn Cranz (Event Management Minor – Co-operative Program) *

Coulas, Larissa Anne *

Daryonoputri, Felicia Rose (Legal Studies Minor, Geography and Environmental Management Minor – Co-operative Program) †

Ding, Siyang (Co-operative Program) *

Donofrio, Amanda Lindsey (Environment, Resources and Sustainability Minor – Co-operative Program)

Doshi, Jeeya (Urban Studies Minor – Co-operative Program)

Duncan, Garrett Osborne Lindsay †

Duza, Trisha (Co-operative Program) †

Enns-Le Doaré, Noah Daniel (Geography and Environmental Management Minor – Co-operative Program)

Everest, Emily Paige Glen (Co-operative Program) *

Fan, Yue †

Franken, Kathryn Elizabeth (Co-operative Program) *

Fraser, Caelen Britton Eugene (Co-operative Program) *

Gao, Hanlin (Co-operative Program) *

Glicksohn, Willow Claire Vinter (Co-operative Program) *

Gu, Yuetong †

Handal, George Ramzi (Co-operative Program) *

Henderson, Ava May (Geography and Environmental Management Minor) †

Ho, Jonathan Bo Hyun (Co-operative Program) *

Hong, Fengjue †

Huang, Junhong (Co-operative Program) *

Huang, Xinxin (Co-operative Program) †

Isaac-Onwah, Enakeno Victor (Legal Studies Minor – Co-operative Program)

Jiang, Mingjuan (Co-operative Program) *

Jiang, Tian *

Jin, Ge (Geography and Environmental Management Minor – Co-operative Program)

Jin, Xinyu *

Jokovic, Mila (Co-operative Program) †

Kargel, Mahwash

Kennah, Eavan (Co-operative Program) *

Ketheeswaran, Sanjay (Geography and Environmental Management Minor – Co-operative Program) *

Khan, Eman (Technical Writing Minor – Co-operative Program)

Kozak, David Samuel (Geography and Environmental Management Minor – Co-operative Program)

Kuang, Zhengqi (Economics Minor – Co-operative Program) †

Kumi, Samuel Nana (Co-operative Program) *

Lafreniere, Emily Rose Veronica (Geography and Environmental Management Minor – Co-operative Program)

Lakhani, Tanisha Manish (Economics Minor – Co-operative Program) *

Lebar, Noah Douglas *

Li, Jiayu (Economics Minor – Co-operative Program) †

Li, Muyang (Co-operative Program) *

Li, Qingqing *

Li, Virginia Fang Fang (Communication Studies Minor – Co-operative Program) †

Li, Xiaowen (Co-operative Program)

Li, Xin *

* – Distinction

† – Dean's Honours

Lim, Anna (Co-operative Program)

Lim, Eunchan †

Loates, Benson Gregory
(Co-operative Program) *

Lu, Yihan †

Luo, Yating (Economics Minor) *

Ma, XiaoYao

Mahin Gostar, Ayman (International Trade Minor – Co-operative Program) †

Menezes, Laura Alison (Co-operative Program)

Mian, Ishaq Shahid (Co-operative Program)

Nguyen, William Hoang (Co-operative Program)

Nwagbara, Kosisochukwu Adaobi *

Olivotti, Naomi (Co-operative Program) *

Palmer-Charrette, Evan James †

Pederson, Colin Eric Melvin
(Co-operative Program) *

Penhall, Olivia Sarah (Co-operative Program) *

Pfeifer, Adam Chariles Hugh
(Co-operative Program)

Qadar, Rumaisha (Co-operative Program) *

Qi, Qi

Qin, Jia *

Salazar Rosero, Gerson Andrés
(Co-operative Program) *

Sudsbury, Avery Denise (Geography and Environmental Management Minor – Co-operative Program) *

Surian, Ethan Daniel (Geography and Environmental Management Minor – Co-operative Program) *

Sutton, Lindsey Elizabeth
(Co-operative Program) †

Torrance-Perks, James MacDonald Raymond

Tutt, Aranjot Kaur (Co-operative Program)

Vetere, Ryan Matthew (Co-operative Program)

Vinaya, Ikkshita (Psychology Minor – Co-operative Program) *

Waddell, Jessica Margaret Lee
(Co-operative Program) *

Walsom, Samson William George
(Co-operative Program)

Wang, Qianyi *

Wang, XiangYun *

Wang, Yifei (Economics Minor – Co-operative Program) †

Wickham, Kayla Loren (Co-operative Program) *

Windatt, Alexis Danielle
(Co-operative Program)

Zafar, Uswa Fatima (Human Resources Management Minor – Co-operative Program) *

Zhang, Linhan (Sociology Minor – Co-operative Program) *

Zhou, XinYa *

Zhou, Yuchuan (Economics Minor)

Zhou, Yutao *

HONOURS ENVIRONMENT, RESOURCES AND SUSTAINABILITY

Abed, Hana Ahmed Mohamed Ezzat
(Co-operative Program) *

Beech, Arden Dianna (Psychology Minor – Co-operative Program) †

Borg, Ashley Caitlin Bencich
(Geography and Environmental Management Minor) †

Cao, Hongming (Computing Minor)

Castro Smith, Mateus Wallace
(Geography and Environmental Management Minor – Co-operative Program)

Chan, Kailin Emily (Computing Minor – Co-operative Program) *

Chen, Jade (Geography and Environmental Management Minor – Co-operative Program) †

Crovetto, Laura Grace *

Davison, Ryan Bailey

Deveau, Julia Robin (Parks Minor – Co-operative Program) *

Dion, Karlyn Orseme (Co-operative Program) *

Du, Yutong (Earth Sciences Minor – Co-operative Program) †

Dunne, Megan Patricia (Biology Minor)

EL-Merheby, Haya Bashar
(Co-operative Program) *

Fern-Weinbren, Shifra Joy
(Indigenous Studies Minor – Co-operative Program) †

Folkes, Brian Richard †

Frew, Melissa Ann (Geography and Environmental Management Minor – Co-operative Program) *

Fu, Jenny (Co-operative Program) †

Garrett, Alannah Mary (Legal Studies Minor, Spanish Minor – Co-operative Program) †

Gore, Kristen Reta (Geography and Environmental Management Minor – Co-operative Program)

Hand, Stephanie Anita (Indigenous Studies Minor – Co-operative Program) *

Harris, Shannon Lea (Co-operative Program) †

Henderson, Anya Rose Montgomery
(Geography and Environmental Management Minor – Co-operative Program) *

Hutchinson-Rodgers, Melanie Faith
(Legal Studies Minor, Geography and Environmental Management Minor – Co-operative Program) *

Iqbal, Haniah Nausheen (Public Policy and Administration Minor – Co-operative Program) †

Isimbi, Celine (Environment, Resources and Sustainability & Joint Honours Geography and Environmental Management – Political Science Minor – Co-operative Program)

Johnson, Derrick Paul (Business Option – Parks Minor) *

Kernohan, Hailey (Environment, Resources and Sustainability & Joint Honours Biology) †

Kestrel, Kyra (Philosophy Minor – Co-operative Program) †

LaPointe, Morgan (Parks Minor)

Leung, Andrea Chi Ya (Geography and Environmental Management Minor – Co-operative Program) †

Lobsinger, Nicole Lynn (Parks Minor – Co-operative Program) †

McAllister, Ceileigh (Geography and Environmental Management Minor) †

Muccin, Lauren Nicole (Environment, Resources and Sustainability & Joint Honours Geography and Environmental Management – Co-operative Program) †

Palfrey, Graeham Alan-Slater
(Co-operative Program) *

Park, Vanessa (Co-operative Program) *

Pham-Quan, Nicole (Sociology Minor – Co-operative Program) †

Piliouras, Eleni Kostadina
(Co-operative Program) †

Raman, Sriranjini (Co-operative Program)

Raykowski, Maria (Peace and Conflict Studies Minor – Co-operative Program) †

Rickert, Holly Elizabeth (Geography and Environmental Management Minor – Co-operative Program)

Rivera Batista, Karol Itzel
(Geography and Environmental Management Minor – Co-operative Program) *

* – Distinction

† – Dean's Honours

Rorison, Emily Nicole (Geography and Environmental Management Minor – Co-operative Program) †

Sadiora, Sukhmani (Legal Studies Minor – Co-operative Program) *

Salvatore, Kendra Ashley †

Schuster, Emma Campbell (Biology Minor – Co-operative Program) †

Senthil Kumar, Nigharika (Legal Studies Minor – Co-operative Program) *

Serro, Althea Elizabeth (Co-operative Program) *

Voth, Terra Briann (Spanish Minor – Co-operative Program) †

Wakulich-Fulcher, Charlotte Ashley (Peace and Conflict Studies Minor) *

Warren, Lindsay Beth Janie (Geography and Environmental Management Minor)

Wiggins, Georgia Isabelle (Geography and Environmental Management Minor – Co-operative Program) †

Wong, Ginny (Geography and Environmental Management Minor – Co-operative Program) †

Zhou, Yao (Earth Sciences Minor – Co-operative Program) †

HONOURS GEOGRAPHY AND AVIATION

Ali, Urooj (Geomatics Specialization) †

Avison, Julia Rose *

Dennis, Bryce Allan Sandor †

Edgar, Charles George *

Galloway, John Thomas †

Gangardiwala, Abdultayyab *

Hendry, Mitchell Jonathan George

Holmes, Hudson Kenneth

Kolkman, Kathryn Ann †

Kulenthiran, Krishni (Climate Change and Environment Specialization) *

Lu, Belinda Rui Yan *

Medland, Trace †

Musson, Ethan Morley Lewis *

Sheemar, Bhavesh Karamjeet (Climate Change and Environment Specialization)

Smith, Benjamin Everette Ronald *

Zhao, Edward Yi Xiang *

HONOURS GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT

Chan, Eddie Edward Yat-Fu (Development and Environment Specialization) †

Chan, Yu Hin Justin (Climate Change and Environment Specialization – Psychology Minor) *

Choi, Jason Ji Woong (Earth Systems Science Specialization) *

Dagenais, Aidan Douglas (Earth Systems Science Specialization) †

Dove, Kaya Cherise (Climate Change and Environment Specialization) *

Duckett, Courtney Lynn (Environment, Resources and Sustainability Minor – Co-operative Program)

El-shayeb, Farah (Co-operative Program) †

Farrell, Yasmine Kathleen (Earth Sciences Minor – Co-operative Program)

Gong, Shenglin

Heydari, Amir (Geomatics Specialization – Communication Studies Minor)

Hodgson, Brett George Hughes (Earth Systems Science Specialization)

Jawandha, Arsh (Aviation Specialization)

Jiang, Edward Tianhao (Geomatics Specialization)

Lao, Sabrina Wun Mei (Geomatics Specialization – Co-operative Program) *

Liu, Rachel Gu (Geomatics Specialization – Co-operative Program)

Marchant, Tamara Marlinda †

Milojevic, Natalie (Co-operative Program) *

Morrison, Matthew Ryan (Economy & Society Specialization) †

Peaker, Ross Kenneth (Aviation Specialization)

Seeraj, Shane Alistair (Aviation Specialization) †

Shiu, Victor Wai Tai (Geomatics Specialization – Co-operative Program) *

Tasneem, Zarrin

Woodall, Emily Pauline Xinmei (Climate Change and Environment Specialization) †

Woodward, Ben Cameron Holmes (Geography and Environmental Management – Geomatics Specialization & Joint Honours Earth Sciences – Co-operative Program) †

Xu, Jianing (Geomatics Specialization)

Zhang, Honglu (Climate Change and Environment Specialization)

HONOURS GEOMATICS

Baker, Zachary William *

de Villa-Choi, Aidan William (Co-operative Program) †

Ding, Andrew Chen (Geomatics & Joint Honours Mathematics – Co-operative Program) †

Gao, Renee

Ha, Bao Nguyen (Co-operative Program) *

Hussain, Naail (Computing Minor) †

Jun, Jae Woo (Climate Change and Environment Specialization – Computing Minor – Co-operative Program)

Klahr, Juan Sebastian (Computing Minor – Co-operative Program) *

Lam, Hayden (Earth Systems Science Specialization – Computing Minor – Co-operative Program) *

Lee, Kun (Business Option – Computing Minor – Co-operative Program) *

Liang, Martin (Co-operative Program) †

Lo, Justin (Computing Minor – Co-operative Program)

Luan, Song (Computing Minor)

Malik, Daanish Mahmood (Computing Minor – Co-operative Program)

Nathanael, Nicholas (Computing Minor) *

Nicolas, Joseph Erickson (Computing Minor, Economics Minor – Co-operative Program) *

Okubadejo, Kaşopefoluwa Adebukunola (Computing Minor – Co-operative Program) *

Park, Sojeong (Co-operative Program) *

Qu, Raymond Ming Yang (Computing Minor, Management Studies Minor – Co-operative Program)

Rahman, Hisham (Co-operative Program)

Shen, Wenyi (Co-operative Program)

Wang, Ruoyu (Geomatics & Joint Honours Earth Sciences – Co-operative Program) *

Wei, Zhixian (Co-operative Program)

Wu, Jeremy *

Xiao, Yiyun (Event Management Minor – Co-operative Program) *

Xie, Ruth (Computing Minor – Co-operative Program) †

* – Distinction

† – Dean's Honours

Yeo, Hyunwoo (Climate Change and Environment Specialization – Computing Minor – Co-operative Program) †

Zhai, Enquan

Zhang, Huiyu (Co-operative Program)

Zhao, Yishun (Computing Minor)

Zhong, Qing (Mathematics Minor) *

HONOURS INTERNATIONAL DEVELOPMENT

Balmer, Amelia Grace (Practice Specialization/Business Option – Environment, Resources and Sustainability Minor) †

Barkey, Jonah Christopher (Research Specialization) †

Ertel, Ryan John (Practice Specialization)

Hamre, Abigail Faith (Practice Specialization – Geography and Environmental Management Minor)

Harvey, Sarah Elise (Practice Specialization) *

Meissner, Emily Megan (Practice Specialization) †

Wang, Shangjie (Research Specialization – Economics Minor)

Zelle, Cassidy Lynn (Research Specialization – Peace and Conflict Studies Minor, Geography and Environmental Management Minor) †

HONOURS PLANNING

Abungin, Maria Andrea Coronel (Land Development Planning Specialization – Co-operative Program) *

Awan, Amina Ahmed (Co-operative Program) *

Awan, Awais Zia (Co-operative Program)

Beech Falshaw, Joshua Keagan (Co-operative Program)

Bledowski, Alexander Lucas (Co-operative Program) †

Bouma, Titus Jack (Co-operative Program) *

Bradbury-Jost, Xavier Richard (Land Development Planning Specialization – Co-operative Program)

Brisbin, Simone Charlotte (Environmental Planning and Management Specialization – Environment, Resources and Sustainability Minor – Co-operative Program) *

Cade, Stuart Geoffrey (Environmental Planning and Management Specialization – Co-operative Program) *

Carne, MacGregor David Neilson (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Chan, Yui Chit Myles (Urban Design Specialization – Co-operative Program) *

Chowdhury, Raida (Co-operative Program) †

Corrigan, Benjamin Hunter Patrick (Land Development Planning Specialization – Co-operative Program) *

Delli Colli, Jonathan Pascal Donat (Co-operative Program) *

Diaz Urdaneta, Gabriela Alejandra (Land Development Planning Specialization – Co-operative Program) †

Docherty, Paige Emily (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program)

Duquesne Torres, Enrique Carlos (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Elmahdy, Yara Mostafa (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program) †

Elson-Elliott, Kamryn Ashleigh (Sociology Minor – Co-operative Program) *

Ferreri, Giuseppe Domenico (Urban Design Specialization – Co-operative Program) *

Fitzgerald, Emily Elizabeth (Co-operative Program) †

Foley, Danielle Ashley Rhodes (Co-operative Program) †

Fox, Ashlyn Angie (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Funk, Colin Mathias Ens (Music Minor – Co-operative Program) †

Fydrych, Weronika Natalia (Decision Support and Geographical Information Systems Specialization & Environmental Planning and Management Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Galloway, Tyler Stewart (Co-operative Program) *

Gao, Joanna Ying (Environmental Planning and Management Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Gonzalez Alonso De Castaneda, Carolina (Land Development Planning Specialization – Co-operative Program) *

Graham, Eden Elizabeth Claire (Environmental Planning and Management Specialization – Peace and Conflict Studies Minor – Co-operative Program) †

Grewal, Isha (Co-operative Program) †

Han, HongYe (Urban Design Specialization – Co-operative Program) †

Hawkins, Corbin Noah (Urban Design Specialization – Co-operative Program) †

He, Helen Jun Jun (Urban Design Specialization – Co-operative Program) †

He, Xue Ying (Land Development Planning Specialization – Tourism Minor – Co-operative Program) *

Headrick, Madison Patricia (Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Hehar, Satnam Kaur (Environmental Planning and Management Specialization – Co-operative Program) †

Huynh, Christine (Urban Design Specialization – Co-operative Program) *

Imtiaz, Hashim (Co-operative Program) *

Iorgovits, Inez Carmen (Decision Support and Geographical Information Systems Specialization – Co-operative Program) *

Jegatheswaran, Harane (Co-operative Program) *

Jinadu, Aisha Àjoké (Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization – Urban Studies Minor – Co-operative Program) *

Karmanova, Olga (Co-operative Program) †

Khan, Farhan Ahmed (Co-operative Program)

Kim, Esther (Land Development Planning Specialization – Co-operative Program) *

* – Distinction

† – Dean's Honours

La, Savio (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Lau, Julia (Co-operative Program) †

Law, Jasmine Karen (Land Development Planning Specialization – Co-operative Program) *

Lee, Kisang (Co-operative Program) *

Li, Xinran (Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization – Co-operative Program) *

Lim, Gloria Subin (Co-operative Program)

Lipka, Michael (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program) †

Liu, Shuhan (Geography and Environmental Management Minor – Co-operative Program) *

Liu, Zhe (Urban Studies Minor – Co-operative Program)

Lutz, Derek Todd (Urban Studies Minor, Geography and Environmental Management Minor – Co-operative Program)

MacPherson, Caylee Dawn (Urban Studies Minor – Co-operative Program) *

Malkić, Eldin (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program) *

Mallinson, Jennifer Margaret (Land Development Planning Specialization – Co-operative Program) *

Martinov, Amya Natalya (Environmental Planning and Management Specialization – Co-operative Program) †

Maryam, Yusra (Land Development Planning Specialization – Co-operative Program)

Mathews, Sneha (Environment, Resources and Sustainability Minor – Co-operative Program) †

Matroja, Diya Yogendra (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

McCluskie, Alexander Lee (Land Development Planning Specialization – Co-operative Program)

Meighoo, Matthew Ryan (Land Development Planning Specialization – Co-operative Program) *

Mićić, Marko (Land Development Planning Specialization – Co-operative Program) *

Moharil, Sakshi Ashutosh (Co-operative Program)

Muraleetharan, Ramya Lalitha (Co-operative Program)

Muttiah, Shagana Umachandran (Urban Design Specialization – Psychology Minor – Co-operative Program) †

Naik, Arti Harish (Urban Design Specialization/Business Option – Co-operative Program) †

Nair, Anandith (Urban Design Specialization – Co-operative Program) *

Naso, Valerie (Environmental Planning and Management Specialization – Co-operative Program) †

Omar, Aya (Land Development Planning Specialization – Economics Minor – Co-operative Program) *

Pan, Jia Qing (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Park, Jenny Sungjin (Co-operative Program) †

Parks, Carson Mitchell (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Patel, Jahangir Husain Husain (Co-operative Program)

Patel, Parthvi (Urban Design Specialization – Co-operative Program) †

Paulose, Justin (Co-operative Program)

Pham, Ngoc Duy Bao (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program)

Pizzimenti, Michael (Urban Design Specialization – Co-operative Program) †

Raney, Lauren Elizabeth Peacock (Geography and Environmental Management Minor – Co-operative Program) †

Rose, Erica Frances (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Saadat, Adiva (Co-operative Program)

Scott, Jennifer Anne (Geography and Environmental Management Minor – Co-operative Program)

Sidhu, Aamani (Urban Design Specialization – Co-operative Program) †

Sidhu, Harshinder Kaur (Environmental Planning and Management Specialization – Co-operative Program) *

Smith, Madeleine Louise (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Sohail, Haris (Land Development Planning Specialization – Co-operative Program) *

Spears, Nathan George (Co-operative Program) *

Stampfli, Jacob Aaron (Urban Design Specialization – Co-operative Program)

Suhaavi Kaur, Suhaavi (Urban Design Specialization – Co-operative Program) †

Sultonmamad, Shukufa (Co-operative Program)

Symons, Sophia (Urban Design Specialization – Co-operative Program) †

Tang, Yanxi (Urban Design Specialization – Urban Studies Minor – Co-operative Program) *

Teja, Harnoor Singh (Geography and Environmental Management Minor – Co-operative Program) *

Thirupathy, Lavanya (Geography and Environmental Management Minor – Co-operative Program)

Tian, Shu Yun (Urban Design Specialization – Co-operative Program) †

Tran, Alex (Co-operative Program) *

Tran, Emily (Co-operative Program) †

Tse, Murphy (Decision Support and Geographical Information Systems Specialization – Tourism Minor – Co-operative Program) *

Tsoi, Annika Yi Ka (Land Development Planning Specialization – Co-operative Program) †

Tungol, Kerby Rafael Sergio (Co-operative Program) *

Van Bakel, Matthew Christopher (Urban Design Specialization – Co-operative Program) *

* – Distinction

† – Dean's Honours

Van Loon, Emily Anna (Land Development Planning Specialization – Co-operative Program) †

Wang, Sophie (Decision Support and Geographical Information Systems Specialization & Urban Design Specialization – Co-operative Program) †

Warrion, Benjamin Owen (Co-operative Program) †

Winspear, Luke Gerard (Co-operative Program) *

Wong, Christal Faithe (Environmental Planning and Management Specialization – Co-operative Program) †

Wu, Zekai (Urban Design Specialization – Co-operative Program) †

Yang, Shuting (Geography and Environmental Management Minor – Co-operative Program)

Ye, Judy Zi Qing (Decision Support and Geographical Information Systems Specialization – Co-operative Program) *

Zhang, Ruiyi (Land Development Planning Specialization – Co-operative Program) *

Zhang, Zhi Xi (Co-operative Program) *

Zhu, Ruifeng (Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization – Co-operative Program)

Zufferli, Adam Gabriel (Co-operative Program) *

BACHELOR OF KNOWLEDGE INTEGRATION

HONOURS PROGRAM

Azhar, Iqra Muhammad (Studies in Islamic and Arab Cultures Minor) *

Chan, Hayden David (Peace and Conflict Studies Minor) *

Chang, Rowan (Cognitive Science Minor, Philosophy Minor) †

De Piero, Graeme Thomas (Economics Minor) †

DeKoter, Elias Aren Drost (Computing Minor, Music Minor) *

Gonzalez Alonso De Castaneda, Claudio (Knowledge Integration & Joint Honours Mathematics – Computing Minor)

Holmgren, Torunn Elizabeth

Kopeschny, Olivia Deneka (Science, Technology & Society Specialization – Philosophy Minor) †

Laughlin, Amy Elizabeth (Collaborative Design Specialization & Science, Technology & Society Specialization – Computing Minor) *

McKenna, Hannah Rebecca (Science, Technology & Society Specialization) †

Miller, Jenna (Knowledge Integration & Joint Honours Earth Sciences) *

Rankin, Lauren Anne (Science, Technology & Society Specialization/Business Option) †

Ross, Quinn Christina (Peace and Conflict Studies Minor) *

Setiawan, Dalai Jatmoko (Collaborative Design Specialization – Psychology Minor) †

Storey, John (Computing Minor) *

Treitel, Maya Jordan (Business Option) †

Yu, Richard (Event Management Minor, Human Resources Management Minor)

DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION

Chen, Jade
Folkes, Brian Richard
Frew, Melissa Ann
Henderson, Anya Rose Montgomery
LaPointe, Morgan
Lobsinger, Nicole Lynn
Palfrey, Graeham Alan-Slater
Rickert, Holly Elizabeth
Sadiora, Sukhmani
Salvatore, Kendra Ashley
Serro, Althea Elizabeth
Wiggins, Georgia Isabelle
Zhou, Yao

DIPLOMA IN ENVIRONMENTAL ASSESSMENT

Abed, Hana Ahmed Mohamed Ezzat
Ang, Asser Sigmund Enoc
Balmer, Amelia Grace
Cao, Hongming
Chen, Karen
Choonilall, Rebecca Renuka
Chutter, Kayla Jordyn Cranz
Deveau, Julia Robin
Dion, Karlyn Orseme
Donofrio, Amanda Lindsey
Du, Yutong
Everest, Emily Paige Glen
Fu, Jenny
Fydrych, Weronika Natalia
Henderson, Ava May

Hutchinson-Rodgers, Melanie Faith
Iqbal, Haniah Nausheen
Jinadu, Aisha Ajoké
Jokovic, Mila
Leung, Andrea Chi Ya
Lobsinger, Nicole Lynn
Meissner, Emily Megan
Naso, Valerie
Olivotti, Naomi
Palfrey, Graeham Alan-Slater
Palmer-Charrette, Evan James
Penhall, Olivia Sarah
Raykowski, Maria
Rivera Batista, Karol Itzel
Rorison, Emily Nicole
Salvatore, Kendra Ashley
Wiggins, Georgia Isabelle
Zhou, Yao

DIPLOMA IN FRENCH LANGUAGE I

Park, Vanessa

DIPLOMA IN FRENCH LANGUAGE II

Jokovic, Mila
Mathews, Sneha
Penhall, Olivia Sarah
Qadar, Rumaisha

DIPLOMA IN FUTURE CITIES

Crovetto, Laura Grace
de Villa-Choi, Aidan William
Duckett, Courtney Lynn
EL-Merheby, Haya Bashar

DIPLOMA IN JAPANESE LANGUAGE I

Zhai, Enquan

DIPLOMA IN SUSTAINABILITY

Abungin, Maria Andrea Coronel
Delli Colli, Jonathan Pascal Donat
Doshi, Jeeya
Du, Yutong
Grewal, Isha
Handal, George Ramzi
Jawandha, Arsh
Palfrey, Graeham Alan-Slater
Wickham, Kayla Loren
Windatt, Alexis Danielle
Zhou, Yao

DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS

Ali, Urooj
Beech Falshaw, Joshua Keagan
Dagenais, Aidan Douglas
Ding, Andrew Chen

* – Distinction

† – Dean's Honours

Dove, Kaya Cherise
Gao, Renee
Heydari, Amir
Hussain, Naail
Jegatheswaran, Harane
Klahr, Juan Sebastian
Lao, Sabrina Wun Mei
Liang, Martin
Lo, Justin
Park, Sojeong
Raney, Lauren Elizabeth Peacock
Shiu, Victor Wai Tai
Tran, Alex
Van Loon, Emily Anna
Woodward, Ben Cameron Holmes
Xiao, Yiyun
Zhang, Huiyu
Zhong, Qing

**CERTIFICATE IN
GLOBAL EXPERIENCE**

Ding, Andrew Chen
Dion, Karlyn Orseme
Donofrio, Amanda Lindsey
Franken, Kathryn Elizabeth
Hamre, Abbigail Faith
Kestrel, Kyra
Mahin Gostar, Ayman
Senthil Kumar, Nigharika
Voth, Terra Brieann

Outstanding Achievements

MEDALS AND AWARDS

UNIVERSITY FINALIST FOR THE GOVERNOR GENERAL'S GOLD MEDAL

Doctoral
Guneet Sandhu

UNIVERSITY FINALIST FOR THE GOVERNOR GENERAL'S GOLD MEDAL

Master's
Mary Ann Gray

THE UNIVERSITY OF WATERLOO PRESIDENT'S AWARD OF EXCELLENCE

**Highest standing in an
undergraduate degree program**
Andrew Chen Ding

THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Outstanding academic achievement
Farah El-shayeb

DEPARTMENTAL AWARDS

Distinguished academic achievement

Environment and Business –
Michelle Angkasa

Environment, Resources and
Sustainability – **Ginny Wong**

Geography and Aviation –
Kathryn Ann Kolkman

Geography and
Environmental Management –
Farah El-shayeb

Geomatics – **Andrew Chen Ding**

Knowledge Integration –
Maya Jordan Treitel

Planning – **Raida Chowdhury**

International Development –
Amelia Grace Balmer

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/events-and-awards/awards-and-medals/alumni-gold-medals

**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

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.

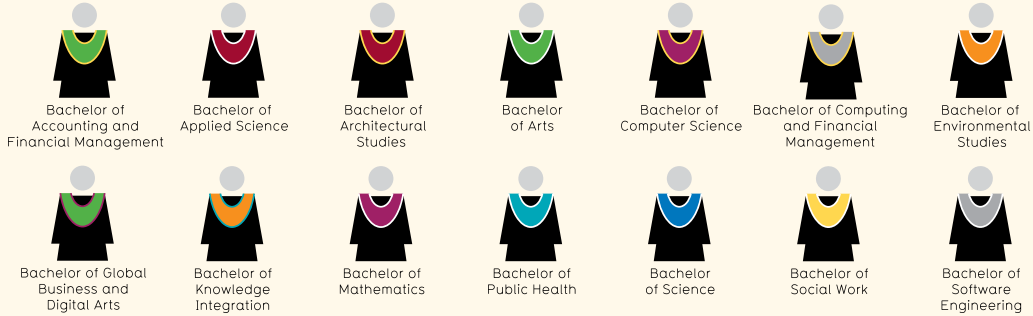
THE HOOD

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.

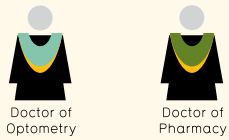
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

Academic Dress

BACHELOR'S



PROFESSIONAL DOCTORATE



MASTER'S



DOCTORAL



HONORARY DOCTORATE



CONVOGATION



uwaterloo.ca

[#uwaterloograd](https://twitter.com/uwaterloograd)