



ONE HUNDRED AND TWENTY-FOURTH CONVOCATION

CONVOCATION

TUESDAY
JUNE
14
2022

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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Message from the Chancellor

*Welcome graduands, family members,
and friends to 2022 Spring Convocation.*

As the eleventh chancellor of the University of Waterloo, it is my honour to preside over the rite of convocation. Our University community shares in your excitement and celebrates your hard work and dedication as we mark this significant milestone.

The University of Waterloo has a tradition of developing talent for a complex future, and you are no exception. As you stand at the precipice of this complex future, you are certain to encounter many obstacles. The knowledge and skills you have earned during your time here will provide you with the tools necessary to overcome these challenges.

Our institution is renowned for its laser-focused pursuit of innovation both in pedagogy and research. It is likely what led you to Waterloo, and what drove you to success.

Today's ceremony honours your accomplishments. I encourage you to take a moment to recognize your family, friends, and members of the campus community who provided support during your time at Waterloo.

Convocation is a time to reflect and celebrate, but also to look forward. As you cross the stage today rest assured that your hard work has led to your successes thus far, and that same work ethic will serve you well in your next chapter.

As a graduand, you bear the privilege and responsibility of being forever linked to the spirit and values of this distinguished institution. Wherever your life may lead, I hope you will continue to pursue shaping a better, more equitable world through your careers and community involvement.



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 HAS A TRADITION OF DEVELOPING
TALENT FOR A COMPLEX FUTURE, AND YOU ARE NO EXCEPTION.”**

Message from the President and Vice-Chancellor

Congratulations to our graduating class. We are thrilled to welcome your family and friends to celebrate this momentous occasion. It is our honour to celebrate this year's convocation with you.

During your time at the University of Waterloo, you have persevered to overcome many challenges, including a pandemic. Your degree recognizes this hard-work and is a testament to the effort and dedication you put forth during your studies.

Your experience at Waterloo is more than the knowledge you gained in the classroom or the research you undertook in the lab. It is about the relationships and networks you forged on campus and online. Our institution's rich history and the success of our alumni is rooted in community. As you transition from student to alumni, I hope you will continue to stay connected with Waterloo.

The University's motto "Concordia cum veritate" means "in harmony with truth." As you begin the next chapter of your journey, I encourage you to think unconventionally. We live in a world mired in geo-political, environmental, and health challenges.

Regardless of your discipline, you have a unique opportunity to make a lasting difference in your community and in the world. Seeking out ways to pursue your passions and uncover innovations in whatever you do.

I encourage you to take what you have learned at Waterloo to help shape our world's future for the better.

As graduates, you are now a member of this institution's strong alumni community. Follow the successful footsteps of those before you, or trail blaze your own. You now have the tools to make a lasting impact on the world around you.

On behalf of the University of Waterloo, I wish you the very best in the journey ahead.



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

VIVEK GOEL
CM

President and Vice-Chancellor

**“AS YOU BEGIN THE NEXT CHAPTER OF YOUR JOURNEY,
I ENCOURAGE YOU TO THINK UNCONVENTIONALLY.”**

Message from the Alumni Council President

Congratulations Class of 2022!

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 UWaterloo has prepared you well. You have the expertise, creativity and resourcefulness to tackle whatever problem you choose. Longstanding practices are changing and there is opportunity for new ideas to breakthrough.

Welcome to a network of more than 230,000 alumni, connected by their experiences at Waterloo.

Throughout your career, I encourage you to stay connected to your alumni community. There are more than 230,000 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.



Meaghan Kimball

MEAGHAN KIMBALL

BMATH '06

President, University of Waterloo Alumni Council

“THERE ARE MORE THAN 230,000 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 the 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 accomplishment, and a calling together of the older members of the University to be witnesses 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, faculty members enter walking two by two, followed by University officials, all in their academic finery. Near the end of the procession, a selected faculty member will carry the mace, a traditional symbol of the University's authority.

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 addresses graduands and inspires them at these ceremonies.

THE MACE

This 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 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: the faculties of Arts, Engineering, Environment, Health, Mathematics and Science. Also included are students who attended our colleges, St. Jerome's University, St. Paul's University College and Renison University 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.

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.



DIANNE SAXE

LLB, PhD

Doctor of Environmental Studies, *honoris causa*

TUESDAY, JUNE 14 / AFTERNOON CEREMONY

Dr. Dianne Saxe is one of Canada's leading environmental lawyers. She has made significant contributions to Ontario as a practitioner of environmental law for over 45 years, as an influential author of several important environmental law books and articles, and, most recently, as the Environmental Commissioner of Ontario. Throughout her career, Dr. Saxe has informed Ontarians of their environmental rights and duties, and of the crucial importance of addressing environmental challenges. As the Environmental Commissioner of Ontario, she played a key role in contributing to the public life of Ontarians through extensive analysis of the government's commitments to protecting the environment and engaging the public in conversations about Ontario's sustainable future.



CAROL LEAMAN

BA, MAcc

Doctor of Letters, *honoris causa*

WEDNESDAY, JUNE 15 / EVENING CEREMONY

Carol Leaman holds a Master of Accounting Degree as well as a Bachelor of Arts Degree in Economics and Accounting from the University of Waterloo. In 2013, she received the prestigious designation as a Fellow of Chartered Professional Accountants (FCPA). As a visionary, serial entrepreneur, and community leader who personifies the Waterloo spirit of innovation, she is committed to creating work environments that foster the success of their employees. Leaman is currently the CEO of Axonify and has overseen the successful acquisition of numerous companies such as MLevel (acquired by Axonify), Fakespace (acquired by Mechdyne Corporation), RSS Solutions (acquired by Visiprise Inc.), and PostRank (acquired by Google).



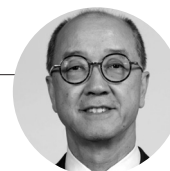
JOHN HELLIWELL

OC, BComm, MA, DPhil, LLD

Doctor of Letters, *honoris causa*

WEDNESDAY, JUNE 15 / MORNING CEREMONY

Professor John Helliwell is acclaimed for his pioneering and prolific work in macro-economic modeling, energy economics and policy, and global trade flows. He is also well-known for his contributions to the annual World Happiness Report, a United Nations publication that ranks countries according to national well-being. The Report has been influential in encouraging governments worldwide to think beyond the narrow confines of gross national product and per capita income as they develop policies and strive towards sustainable development. Helliwell's excellence has been recognized with honours that include Fellow of the Royal Society of Canada, Distinguished Fellow of the Canadian Institute for Advanced Research, and Officer of the Order of Canada.



TONY CHAN

BS, MS, PhD

Doctor of Mathematics, *honoris causa*

THURSDAY, JUNE 16 / MORNING CEREMONY

Professor Tony Chan is an esteemed leader in computational models and algorithms for image processing. He received his Ph.D. in Computer Science from Stanford University, followed by a Research Fellowship at Caltech. He also holds an Honorary Doctorate from the University of Strathclyde. After serving as president of The Hong Kong University of Science and Technology for nearly a decade, Chan became the third president of the King Abdullah University of Science and Technology in 2018. He is a member of the US National Academy of Engineering, and a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), the American Association for the Advancement of Science (AAAS) and Society for Industrial and Applied Mathematics (SIAM). Chan was also awarded the 2020 SIAM Prize for Distinguished Service to the Profession.

VIRGINIA ANN HEATH

BSc, MSc, MDCM
and

JOHN WILLIAM HEATH

BSc, MDCM, FRCP (C)

Doctors of Science, *honoris causa*

FRIDAY, JUNE 17 / MORNING CEREMONY



Dr. Virginia Ann Heath completed a Bachelor of Science degree at the University of British Columbia, and Dr. John William Heath completed his Bachelor of Science at McGill. Both then completed MScs and MDs in clinical medicine at McGill. After postgraduate medical training in Halifax, Winnipeg, and Vancouver they set up a practice in Campbell River, B.C. and participated in many clinical research studies. In 1985, they established Yellow Island Aquaculture on Quadra Island, B.C., which quickly became a centre for aquaculture research, with numerous publications, including contributions in *Nature and Science*. They received the 2013 NSERC Synergy award for collaborative research and they have hosted numerous Waterloo students.

DOUGLAS FREGIN

CM

Doctor of Engineering, *honoris causa*

FRIDAY, JUNE 17 / EVENING CEREMONY



Douglas Fregin has been a leader in the telecommunications industry for over 35 years. He co-founded Research In Motion (RIM), which launched the world's first smartphone (the BlackBerry 5180). In 2013, he co-founded Quantum Valley Investments, driving the Region of Waterloo to the forefront of the global quantum technologies industry. He has donated millions towards educational and research programs at the University of Waterloo, enabling the establishment of the Waterloo Undergraduate Program in Nanotechnology (2005), the Waterloo Institute of Nanotechnology (2009), and the Mike & Ophelia Quantum-Nano Centre (2012). He received a Technical Emmy Award with Kodak and the National Film Board of Canada, and was awarded the Queen Elizabeth II Diamond Jubilee Medal in recognition of his achievements. In 2016, he was appointed a Member of the Order of Canada.

VALERIE DAVIDSON

BEng, MSc, PhD

Doctor of Engineering, *honoris causa*

SATURDAY, JUNE 18 / AFTERNOON CEREMONY



Valerie Davidson is a Professor Emerita in the University of Guelph's School of Engineering, where she was a faculty member for 24 years. During this time, she developed innovative courses in bio-process and food engineering, and was a recipient of the Provost's Award for Innovation in Teaching. Her group developed ground-breaking, fundamentals-based, engineering models of complex food processing systems to improve product quality and safety. Davidson recently consulted for the United Nations Food and Agriculture Organization to develop tools for food safety decision-making. For over three decades, Professor Davidson has been an exceptional citizen within the engineering community and a dedicated champion of diversity in the profession. While serving as NSERC Chair for Women in Science and Engineering, she founded the Ontario Network of Women in Engineering (ONWiE), now a pan-Canadian collaboration that inspires the next generation of engineers. In 2016, she received the Ontario Professional Engineers' Award for Citizenship.

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.



MARK E. HAVITZ

BSc, MSc, PhD

Department of Recreation
and Leisure Studies

TUESDAY, JUNE 14 / MORNING CEREMONY

Dr. Mark Havitz was a professor in the Department of Recreation and Leisure Studies from 1992-2019, serving as department chair from 2008-2016. He is well known for his work in the theoretical advancement of ego-involvement, psychological commitment and loyalty, and marketing services to marginalized people, as well as his creative autoethnographic accounts and retrospective techniques. Havitz was honoured with a Fellow in the Academy of Leisure Sciences in 2000 and received the Theodore and Franklin Roosevelt Award from the National Recreation and Park Association in 2017. In 2021, he also received the Leisure Scholar Award, the highest recognition bestowed by the Canadian Association of Leisure Studies.



STUART MCGILL

BPE, MSc, PhD

Department of Kinesiology

TUESDAY, JUNE 14 / MORNING CEREMONY

Dr. Stuart McGill was a professor in the Department of Kinesiology from 1987-2017, serving as department chair from 2006-2009. He is internationally regarded for his work in spine biomechanics, investigating mechanisms of low-back injury and how to prevent and rehabilitate low-back pain and optimize performance. He has published more than 250 scientific papers and five books, mentored more than 40 graduate students, and taught thousands of clinicians and practitioners in courses and workshops around the world. Dr. McGill is the Chief Scientific Officer for Backfitpro Inc. and was named a Member of the Order of Canada in 2020.



ALICE KUZNIAR

BA, MA, PhD

Department of German and Slavic Studies

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

Alice Kuzniar is one of the leading figures in German studies today, and is well known for her scholarly work in the earlier periods of German literary history, especially German classicism and romanticism. She is a noted film scholar, both in German-language film and world cinema. She is also well known as a leading thinker in the field of cultural studies, producing ground-breaking work in the areas of gender and queer studies as well as animal studies. Kuzniar's contributions have been recognized with a University research chair, two Alexander von Humboldt fellowships, two Outstanding Performance awards from the Faculty of Arts, and the Excellence in Arts Research Award.



JAMES W. ST. G. WALKER

CM, FRSC, PhD

Department of History

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

James W. St. G. Walker has been widely recognized for his pioneering work in African-Canadian history, human rights, Holocaust studies, race relations, Indigenous history, and antisemitism, as well as immigration and other Canadian public policies. His publications have been widely recognized and his book *The Black Loyalists* was republished in 2017 by University of Toronto Press as part of the Canada 150 Collection, a collection of outstanding books that have shaped Canada as a nation. Walker's contributions to Canadian society have been recognized with honours that include the Bora Laskin National Fellowship in Human Rights Research, Fellow of the Royal Society of Canada, and Member of the Order of Canada.



IAN GOULDEN

BMath, MMath, PhD, FRSC
Department of Combinatorics
and Optimization

THURSDAY, JUNE 16 / EVENING CEREMONY

Professor Ian Goulden received his PhD in Statistics from the University of Waterloo in 1979. He joined the Department of Combinatorics & Optimization in 1980, and was promoted to full professor in 1990, before retiring in 2019. Goulden is a leader in the field of enumerative combinatorics, and co-authored the influential textbook *Combinatorial Enumeration* with David Jackson. In 2010, he was elected as a Fellow of the Royal Society of Canada. Goulden is an exceptional teacher, and received the Faculty of Mathematics Award for Distinction in Teaching in 2009. He is also an accomplished administrator who served three terms as chair of Combinatorics & Optimization, and one term as dean of the Faculty of Mathematics.



KATHRYN HARE

BMath, PhD, FCMS
Department of Pure Mathematics

THURSDAY, JUNE 16 / EVENING CEREMONY

Professor Kathryn Hare retired from the Department of Pure Mathematics in July 2021, after joining in 1988 as the first female professor. Hare has an extensive research portfolio on harmonic analysis, fractals, thin sets and multipliers and maximal operators. She has supervised dozens of postdoctoral, PhD and master's students, many of whom earned prizes for research excellence, including a Morgan Prize winner, and an AIM Fellowship winner. Hare is a Fellow of the Canadian Mathematical Society, and the recipient of an honorary doctorate from Chalmers University, and the Faculty of Mathematics Award for Distinction in Teaching. She tirelessly served the University, notably as department chair from 2014 to 2018.



WILLIAM BOBIER

BSc, OD, MSc, PhD
School of Optometry and Vision Science

FRIDAY, JUNE 17 / AFTERNOON CEREMONY

Professor William Bobier completed his Bachelor of Science degree at Queen's University and then an Optometry degree at the University of Waterloo. After one year of private practice in Optometry, he returned to Waterloo to complete his Master of Science, then, moved to the University of Cambridge for his PhD. He joined the School of Optometry and Vision Science at the University of Waterloo as a faculty member in 1987 and rose to be become director. Bobier retired in December of 2019, after a distinguished 29-year career within the School. He remains active in research and graduate student supervision.



RAYMOND LEGGE

BSc, PhD
Department of Chemical Engineering

SATURDAY, JUNE 18 / AFTERNOON CEREMONY

Professor Emeritus Raymond Legge's record of scholarship, teaching, and service to the Department of Chemical Engineering and the University of Waterloo is exemplary and extends more than 37 years. He has made groundbreaking contributions to the development of biosensors, environmental monitoring and remediation, green bioprocesses, and water treatment and monitoring. Deeply committed to improving engineering education, Legge has served on more than 50 committees within his department and across the university, including several undergraduate task forces. In his roles as associate chair, associate dean, and assistant vice-president, Graduate Studies he has helped shape the engineering curriculum and elevate Waterloo to one of the most prominent engineering schools in the world. During his career he taught more than 7,000 students and received the Sandford Fleming Foundation Teaching Excellence Award on two occasions.

FLORA T.T. NG

BSc, MSc, PhD

Department of Chemical Engineering



Professor Flora T.T. Ng joined the Department of Chemical Engineering at the University of Waterloo in 1987, after nearly a decade working with the Canada Centre for Mineral and Energy Technology, where she rose to assistant director, research programs. At Waterloo, her group is internationally recognized for innovation in catalytic processes and “green” chemistry. She has co-authored more than 250 journal and conference papers, delivered more than 100 invited talks, and supervised over 140 undergraduate and graduate students. She held a University Research Chair from 2006 to 2013 and was appointed a University Professor – Waterloo’s highest academic honour – in 2008. She is a former president of the Canadian Catalysis Foundation and a Fellow of both the Chemical Institute of Canada (CIC) and the Royal Society of Canada.

KEITH HIPEL

BASc, MASc, PhD

Department of Systems Design Engineering

SATURDAY, JUNE 18 / EVENING CEREMONY



In his over 40 years at the University of Waterloo, Professor Keith Hipel has established a distinguished record of scholarship, teaching and service. He is an international authority in the field of environmental systems engineering, with profound impacts on the management of water, energy, and natural resources. His contributions to engineering education include co-supervision of 87 graduate students, founding of three highly successful exchange programs with leading universities in Japan, and serving as chair of the Board of Governors of Renison University College. Hipel has received 67 national and international honours, including election to Officer of the Order of Canada, President of the Academy of Science within the Royal Society of Canada, Fellow of the Canadian Academy of Engineering. He is also an international Member of the US National Academy of Engineering and Killam Prize Laureate.

Honorary Member 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.



SALLY GUNZ

BA, MA, MBA, LLB

School of Accounting and Finance

WEDNESDAY, JUNE 15 / EVENING CEREMONY

Sally Gunz is recognized for her teaching and research excellence in legal studies and ethical responsibilities for professionals. She exemplifies exceptional service through her work with the Faculty Association of the University of Waterloo (FAUW) and her contributions to institutional policy development. Service contributions include president and past president of FAUW, chair of the Academic Freedom and Tenure Committee, and president and former president of the Canadian Academy of Legal Studies in Business. Honours and awards received in recognition of her excellence include the University of Waterloo Outstanding Performance Award, the Canadian Association of University Teachers Dedicated Service Award, and the Academy of Legal Studies in Business Kay Duffy Memorial Award.

Guest Speakers



JOHN HIRDES

BSc, MA, PhD, FCAHS

Professor, School of Public Health

TUESDAY, JUNE 14 / MORNING CEREMONY

John Hirdes has been a Faculty member at the University of Waterloo since 1989, currently as a Professor in the School of Public Health Sciences and as a Fellow of the Balsillie School of International Affairs. He is the Senior Canadian Fellow and a Board Member of interRAI (interRAI.org), an international consortium of researchers from over 35 countries. He obtained his BSc in Health Studies, a Certificate in Gerontology, MA in Sociology, and PhD in Sociology all from the University of Waterloo. Dr. Hirdes has published over 250 peer-reviewed studies, book chapters, and clinical manuals focusing broadly on health systems and services for vulnerable health populations. He has received numerous awards for his contributions to the fields of aging, mental health, and health information systems as well as his excellence in graduate student mentorship.



GEOFF FONG

OC, PhD, FRSC, FCAHS

Professor, Department of Psychology and Public Health Sciences

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

Geoffrey Fong is renowned internationally for his pioneering research on population health and his leadership as founder and chief principal investigator of the International Tobacco Control Policy Evaluation (ITC) Project – a project involving over 150 researchers across 31 countries. His contributions to reducing the global tobacco epidemic include research on improved risk messaging on tobacco products alongside his work with international governments to adopt national tobacco-reduction policies and practices. One of the top-cited researchers in the world, Fong has been recognized with honours that include Fellow of the Royal Society of Canada, O. Harold Warwick Prize, the Governor General's Innovation Award (ITC Project), and Officer of the Order of Canada.



MARY E. THOMPSON

BSc, MS, PhD

Distinguished Professor Emerita

THURSDAY, JUNE 16 / AFTERNOON CEREMONY

Mary E. Thompson is Distinguished Professor Emerita of Statistics at the University of Waterloo in Waterloo. She holds a BSc from the University of Toronto, and an MS and PhD from the University of Illinois. She was a founding Co-Director of the University of Waterloo Survey Research Centre, and Director of the Data Management Core for the International Tobacco Control (ITC) Policy Evaluation Project. Thompson was elected as a Fellow of the American Statistical Association in 1985, and of the Royal Society of Canada in 2006. She is also an elected member of the International Statistical Institute and a Fellow of the Institute of Mathematical Statistics. She won the Waksberg Award of Survey Methodology in 2008.



STEVE LAMBERT

MEng, MSc, PhD

Professor, Mechanical and Mechatronics Engineering

FRIDAY, JUNE 17 / EVENING CEREMONY

Professor Stephan Lambert completed his undergraduate degree in Mechanical Engineering at the University of Waterloo in 1982, received his master's degree from Queen's University in 1984, and returned to Waterloo to complete his doctorate. He joined Waterloo's Mechanical and Mechatronics Engineering Department as an Assistant Professor in 1988. For 15 years, his group developed models to predict and ultimately reduce fatigue, fracture, and stress corrosion cracking in Canadian pipeline infrastructure. His recent work has advanced the design of load-bearing automotive components using forged magnesium alloys. He was the Design Processes Theme Lead within the AUTO21 Network of Centres of Excellence (2004-2015), the Waterloo-NSERC Chair in Design Engineering (2004-2016), and the Canadian Task Leader for Fatigue in the Magnesium Front End Research and Development Project (2006-2012). He has been the Faculty Advisor for Waterloo's Formula Motorsports team since 1996.

KARIM S. KARIM

BASc, MBA, PhD

Associate Vice-President,
Commercialization and Entrepreneurship

SATURDAY, JUNE 17 / MORNING CEREMONY



Karim S. Karim received his BASc in Computer Engineering in 1999 and his PhD in Electrical Engineering in 2002, both from the University of Waterloo. He was briefly an Assistant Professor at Simon Fraser University before returning to Waterloo in 2008, where he is a Professor in the Department of Electrical and Computer Engineering and Associate Vice President, Commercialization and Entrepreneurship. Professor Karim has published over 100 journal articles, 150 conference papers, and has 80 patents related to large-area electronics and digital X-ray imaging solutions. He co-founded KA Imaging in 2015, which commercialized the world's first portable large area spectral X-ray detector. The product was recently endorsed by the World Health Organization for developing countries. Professor Karim is a Fellow of the Engineering Institute of Canada and the Canadian Academy of Engineering.

PAUL FIEGUTH

BASc, SM, PhD

Associate Dean, Resources and Planning

SATURDAY, JUNE 18 / EVENING CEREMONY



Paul Fieguth received his undergraduate degree in Electrical Engineering from the University of Waterloo and graduate engineering degrees from the Massachusetts Institute of Technology (MIT). He joined Waterloo's Department of Systems Design Engineering in 1996, where he has been Associate Chair for Undergraduate Studies and Department Chair. Presently he is Associate Dean for Resources and Planning. As co-Director of the Vision and Image Processing Lab, he has contributed major advances to statistical signal and image processing, hierarchical algorithms, data fusion, machine learning, and the interdisciplinary applications of such methods. As an educator, he has helped develop a deep understanding among engineering students on the impact of complex systems in many areas of engineering decision making. He is the author of three textbooks, a 2010 text on *Statistical Image Processing & Multidimensional Modeling*, a 2021 text on *Complex Systems*, and an upcoming text on *Pattern Recognition*.

Valedictorians

Precious Nwaka Faculty of Health

TUESDAY, JUNE 14 / MORNING CEREMONY

Jaskaran Dhillon Faculty of Environment

TUESDAY, JUNE 14 / AFTERNOON CEREMONY

Ola Idris Ali Faculty of Arts

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

Farzaan Nathoo-Khedri Faculty of Mathematics

THURSDAY, JUNE 16 / AFTERNOON CEREMONY

Marya Talha Faculty of Science

FRIDAY, JUNE 17 / MORNING CEREMONY

Aisosa Ohiegbonwan Faculty of Science

FRIDAY, JUNE 17 / AFTERNOON CEREMONY

Siddharth Kumar Faculty of Engineering

FRIDAY, JUNE 17 / EVENING CEREMONY

Veraj Paruthi Faculty of Engineering

SATURDAY, JUNE 18 / MORNING CEREMONY

Chukwunonso Jeffrey Moneme Faculty of Engineering

SATURDAY, JUNE 18 / AFTERNOON CEREMONY

Ellen Margarete McGee Faculty of Engineering

SATURDAY, JUNE 18 / EVENING CEREMONY

Distinguished Teacher Awards

The Distinguished Teacher Award is granted to a professor or lecturer who uses their human quality and concern for the needs of the students to create lasting influence on students and on colleagues. Recipients exhibit intellectual vigour and communication skills in the interpretation and presentation of subject matter, along with evidence of educational impact beyond the classroom.

Robin Duncan

BSc, PhD

Kinesiology and Health Sciences, Faculty of Health

Lowell Ewert

BA, JD, LL.M.

Peace and Conflict Studies, Faculty of Arts,
Conrad Grebel University College

Igor Ivkovic

BMath, MMath, PhD

Systems Design Engineering, Faculty of Engineering

Suzanne Kearns

BSc, MSc, PhD

Geography and Environmental Management,
Faculty of Environment

Rick Marta

BSc, PhD

Chemistry, Physics and Astronomy, Faculty of Science

Rajinder Pal

BTech, PhD

Chemical Engineering, Faculty of Engineering

Cynthia Richard

Pharm, PhD

School of Pharmacy, Faculty of Science

Dan Wolczuk

BSc, MMath

Mathematics, Faculty of Mathematics

University Professors

The University Professor designation recognizes faculty with exceptional scholarly achievement and international pre-eminence. Once appointed, a faculty member retains the designation until retirement.

Claudio Canizares

MASc, PhD, PEng
Department of Electrical and Computing Engineering,
Faculty of Engineering

Jennifer Clapp

BA, MSc, PhD
School of Environment, Resources and Sustainability,
Faculty of Environment

Richard J. Cook

BSc, MMath, PhD
Department of Statistics and Actuarial Science,
Faculty of Mathematics

John Hirdes

BSc, MA, PhD, FCAHS
School of Public Health Sciences,
Faculty of Health

Lyndon Jones

BSc, PhD, DSc, FCAHS
School of Optometry and Vision Science,
Faculty of Science

Robert Mann

BSc, MSc, PhD
Department of Physics and Astronomy,
Faculty of Science

Weihua Zhang

BSc, MSc, PhD
Department of Electrical and Computer Engineering,
Faculty of Environment

Awards of Excellence in Graduate Supervision

The award for excellence in Graduate Supervision recognizes exemplary faculty members who have demonstrated excellence in graduate student supervision. An outstanding graduate supervisor is a mentor, advisor, role model, humanist and strategist, and possesses a high level of energy and ingenuity.

Jay Dolmage

BA, MA, PhD
Department of English Language and Literature,
Faculty of Arts

Brian Forrest

Department of Pure Mathematics,
Faculty of Mathematics

Carolyn Ren

BSc, MSc, PhD
Department of Mechanical and Mechatronics Engineering,
Faculty of Engineering

Paul Stolee

BA, MPA, MSc, PhD
School of Public Health Science,
Faculty of Health

Gordon Wilmot

BMath, MMath, PhD
Department of Statistics and Actuarial Science,
Faculty of Mathematics

Graduate Degrees

DOCTOR OF PHILOSOPHY

Abu, Thelma Zulfawu (Geography)
“When you Preach Water and you Drink Wine’: Exploring the Implementation, use and Management of Wash in Healthcare Facilities: A Case Study From Kenya”

Chegoonian, Amirmasoud (Geography)
“Remote Sensing of Chlorophyll-a in Small Inland Waters”

Dai, Ning (Geography)
“The State as a High Modernist Planner: Planning of Food System Transitions in Nanjing, China”

Edwards, Rachael Catherine (Planning)
“Exclusive Nature: Exploring Access to Protected Areas for Minority Ethnic Communities in the United Kingdom”

Elgie, Allison Rose (Social and Ecological Sustainability)
“‘Trash is Just Treasure in the Wrong Place’: The Social Metabolism of Waste in Grenada”

Emami, Parastoo (Social and Ecological Sustainability - Water)
“Rethinking Flood Risk Management”

Fard, Pedram (Planning)
“A Homogeneity-Based Zone Delineation Model for Land use and Transportation Interaction Analysis: Investigating the Case of Light Rail Transit (LRT) Development in Kitchener-Waterloo”

Freeman-Prince, Nadine Ann Marie (Planning)
“An Evaluation of National Tourism Plans in the Caribbean-SIDS Region in the Context of Climate Change”

Ho-Tassone, Elaine (Social and Ecological Sustainability - Water)
“Towards Democratizing Water Quality Monitoring Processes for the Lower Grand River and Nearshore Lake Erie”

McKenzie, Janetta (Geography)
“Balancing Interests in Regulatory Institutions: A Comparison of the Northern Gateway and Keystone XL Pipelines”

Meinen, Benjamin Ubbo (Geography)
“Measuring and Modelling Soil Erosion in Agricultural Systems: Evaluating the Application of UAVs and SfM-MVS for Soil Erosion Research”

Mills, Brian Norman (Geography)
“Understanding the Influence of Weather and Warning Information on Trip and Activity Decisions, Behaviour, and Risk Outcomes”

Stephens, Phoebe (Social and Ecological Sustainability)
“Social Finance for Sustainable Food Systems”

Thompson, Aaron (Geography)
“Developing Parameter Constraints for Radar-Based SWE Retrievals”

Weber, Sabine (Social and Ecological Sustainability)
“Transitioning the Fashion Industry Towards Sustainability”

Zywert, Katharine Rae (Social and Ecological Sustainability)
“Cultivating Human and Planetary Health in a Time of Social-Ecological Transformation”

MASTER OF ARTS

Benzie, Alexandra Renee (Planning)

Debly, Telina Mary (Planning)

Dogoli, Maurice Anfaara (Geography - Water)

Duff-Meadwell, Logan (Geography)

Ferrone, David (Planning)

Mackinnon, Catherine Emilia (Planning)

Mollame, Lucas Valentino (Planning)

Murphy, Daniel (Planning)

Roberts, Tanya (Planning)

Soon, Lindsey Marie Ramos (Planning)

Stanley, Emily Catherine (Planning)

Van Der Merwe, Justin Daniel Sean (Planning)

MASTER OF CLIMATE CHANGE

Bartley, Brenna Christine
Edwards, Chelsea-Anne Eleanor
Goetz, Nicole Deirdre
Khan, Maheen
Lacroix, Catherine Elizabeth
Malik, Sana
Sabourin, Ethan
Sadoon, Omar
Schoot Uiterkamp, Lilia
Serravalle, Jonathan Rolf-Vincent
Slethaug, Kris Michael
Steinburg, Justin Douglas Misener
Swaffield, Laura

MASTER OF DEVELOPMENT PRACTICE

Ademosu, Opeyemi Adetoro
Danburam, Ahmad
Forrest, Lauren Michelle
Hossain, Sumaiya Marium
Lin, Delia
Maurice, Josee Lucie
Nazim, Fibha
Odhigbo, Ewomazino Iyanu-Oluwa
Saha, Pushpita
Shehu, Bala

MASTER OF ECONOMIC DEVELOPMENT AND INNOVATION

Serengheu, Mihai
Song, Jeanette Chu Yee

MASTER OF ENVIRONMENT AND BUSINESS

Guerrero, Pablo Humberto
Honey, Frederick Thomas
Myhill, Madeleine
Qiu, Heping
Taraj, Anisa
Therrien, Laurence

MASTER OF ENVIRONMENTAL STUDIES

Bass, Emily Alicia (Social and Ecological Sustainability)

Biskupovic, Aleksandra (Sustainability Management)

Garcha, Anumeet (Planning)

Horna Kuonqui, Luisa Natalia (Geography - Water)

Iljas, Tanya Alexandra (Geography)

Jacob, Manna Sarah (Sustainability Management)

Jiang, Zijian (Geography)

Judson, Lauren Ann (Social and Ecological Sustainability)

Khorshed, Rumana (Sustainability Management)

Kramer, Adam Ray Woolner (Social and Ecological Sustainability)

Ksiazek, Rachel Mackenzie (Sustainability Management)

Le Geyt, Melissa Jordan (Planning)

McLean, John Stewart (Geography)

Mendoza De La Luz, Valeria (Sustainability Management)

Menko, Patricia Katarzyna
(Planning)

Nooren, Lindsay Emily-Nicole
(Planning)

Oyewole, Tobi Samuel
(Sustainability Management)

Racioppa, Marie Jane (Social
and Ecological Sustainability)

Rahman, Shupa (Sustainability
Management)

Sallows, Michaela Elsie Arnold
(Geography)

Shinde, Aishwarya Anandrao
(Sustainability Management)

Tian, Yunhong (Geography)

Wang, Jianshen (Geography)

Whittaker, Leah Catherine
(Sustainability Management)

Wynes, Darren Leonard
(Geography)

MASTER OF PLANNING

Grohn, Victoria Elizabeth
Janota-Bzowska, Katherine
Alexandra
Salisbury, Victoria Catherine
Shanjer, Muhammad
Wilcott, Christopher Ian Alexander

MASTER OF SCIENCE

Cai, Renan (Geography)

Carlow, Ryan Edmond Daniel
(Geography)

Chahal, Manpreet Singh
(Geography)

Fleming, Markus (Geography)

Funk, Michael (Geography)

Hathaway, Julia (Geography -
Water)

Higgins, Stephanie Mary-Lynne
(Geography - Water)

Hu, Bing Xu (Geography)

Kleinke, Kimberly (Geography)

Schmidt, Megan (Geography)

Shaposhnikova, Maria (Geography)

Tyler, Karisa Nicole (Geography -
Water)

Vodopija, Taylor Rae (Geography -
Water)

Wang, Wei (Geography)

GRADUATE DIPLOMA

Agrimbau, Gonzalo Xavier (Climate
Risk Management)

Gonzalez Sanchez, Maria Del Rocio
(Climate Risk Management)

Grant, Ankica Perina (Climate
Risk Management)

Jasper-Fabiyi, Camille (Climate
Risk Management)

Seggie, David Andrew (Climate
Risk Management)

Tripp, Steven (Planning)

GRADUATE CERTIFICATE

Alamenciak, Timothy James
(University Teaching)

Bajwa, Muhammad Moaz Tariq
(University Teaching)

Battaglia, Maria Bernadette
(University Teaching)

Buttazoni, Adrian Nicholas
(University Teaching)

Korsah, Percy Erasmus (University
Teaching)

Undergraduate Degrees

BACHELOR OF ENVIRONMENTAL STUDIES

GENERAL GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT – THREE YEAR

Acatrinei, Mary

De Luca, Alexander Vincent

Estepa, Klarence Luke Oronan

Gao, Shang

Legris, Kaytlin Alexis (International Development Minor)

Leung, Justin (Aviation Specialization – French Minor)

Manawadu, Dinal Senura

Marotta, Jordan Paul

Mckeown, Cameron Clark (Aviation Specialization)

Montero Nunez De Villavicencio, Olivia (Environment, Resources and Sustainability Minor)

Murdock, Reilly Megan Jean

Pinchin, Michael Stephen

Sousa, Jason Anthony Woody †

Su, Liqi

Wang, Jian Fu

HONOURS ENVIRONMENT AND BUSINESS

Adekunle-Osinubi, Oluwamuretomiwa Oluwanmoroti (Human Resources Management Minor – Co-operative Program)

Anissimoff, Hayley Elizabeth (Human Resources Management Minor – Co-operative Program)

Anwer, Samia (Urban Studies Minor – Co-operative Program) *

Asim, Ayesha (French Minor – Co-operative Program) †

Awan, Aleeha Ahmed (Co-operative Program)

Belay, Ruth Paulos (Co-operative Program) *

Bezarevic, Andrew Brandon (Biology Minor – Co-operative Program)

Bradshaw, Jack (Co-operative Program)

Bridges, Callum Lawrence (Co-operative Program)

Cao, Wenkai

Chen, Anqi (Geography and Environmental Management Minor)

Chen, Hao

Chen, Siyuan (Economics Minor – Co-operative Program) *

Cheng, Nicholas (Economics Minor, International Trade Minor – Co-operative Program)

Cheng, Siqi *

Cheng, Xishu *

Chera, Rimple (Human Resources Management Minor – Co-operative Program) *

Chopra, Elisha (Economics Minor, Human Resources Management Minor – Co-operative Program) †

Choudry, Asiyah Zainab (Co-operative Program) †

Chu, Stephina Onensi (Human Resources Management Minor – Co-operative Program) *

Comeau, David Michael †

Di, Xuan *

Ding, Songping (Economics Minor – Co-operative Program) *

English, Benjamin William (Co-operative Program)

Feng, Raymond Weihong (Human Resources Management Minor – Co-operative Program)

Feng, Yuchun (Co-operative Program) †

Foote, James William (Co-operative Program) *

Gambhir, Keshav (Computing Minor)

Gao, Niya *

Ghorpade, Tanisha (Co-operative Program) †

Goldblatt, Marcus Gwinnett (Spanish Minor – Co-operative Program) *

Graham, Benjamin Charles (Geography and Environmental Management Minor – Co-operative Program) *

Gu, Shiyu (Legal Studies Minor – Co-operative Program)

Gu, Wenhao *

Guan, Boran *

Higgins, Evan Miles Jolliffe (Economics Minor – Co-operative Program) *

Hu, Youyang (Economics Minor – Co-operative Program)

Huang, Michelle (International Trade Minor – Co-operative Program) *

Ji, Yutong *

Jiang, Shu

Joshua, Kezia Tania (Economics Minor – Co-operative Program)

Ka, Cheuk-Hei Kelvin (Human Resources Management Minor – Co-operative Program)

Kapil, Aditi (Co-operative Program) *

Kashyap, Prarthna Rhea (Co-operative Program) †

Kyriakou, Nicholas Cole (Co-operative Program)

Ladouceur, Victoria Lindsay (Co-operative Program) *

Lalpurwala, Dweep Nileshkumar (Economics Minor – Co-operative Program) *

Lam, Tieu Thu (Geography and Environmental Management Minor – Co-operative Program) *

Li, Jiaqi †

Li, Jingxian †

Li, Zixuan (Mathematics Minor)

Lin, Zehui (Human Resources Management Minor – Co-operative Program) *

Liu, Yifan (Economics Minor, Mathematics Minor)

Maistry, Medha Shreena (Economics Minor – Co-operative Program) *

Mazumdar, Inika (Legal Studies Minor – Co-operative Program)

McBean, Tyler John (Co-operative Program) *

Mcfaul, Jacob Alexander (Co-operative Program)

Mistfeldt, Emily Jane (Environment, Resources and Sustainability Minor) *

Mo, Siyi (Economics Minor – Co-operative Program)

Morley, Claire MacInnis (Co-operative Program)

Mubarak, Noor (Co-operative Program) *

* – Distinction

† – Dean's Honours

Muthukumarasamy, Pratibha (Economics Minor – Co-operative Program) *

Mutsaers, Emma Irene (Earth Sciences Minor – Co-operative Program)

Navaratnam, Ashley (Economics Minor – Co-operative Program)

Nkem, Rudi Ndi (Economics Minor – Co-operative Program) *

Olomodosi, Oluwafunmilayo Onyinyechi (Co-operative Program) *

Pan, Xinyu *

Patten, Matthew Allen (Environment, Resources and Sustainability Minor – Co-operative Program) †

Pellakuru, Sahith Reddy

Petrie, Clayden Armstrong (Environment, Resources and Sustainability Minor – Co-operative Program) *

Pryce, Bailey Patricia (Legal Studies Minor – Co-operative Program) *

Pu, Manting (Co-operative Program)

Purewal, Amanpreet Kaur (Co-operative Program) *

Qiu, Tianyu †

Ramballie, Megan Sorena (Co-operative Program)

Reany-Dubreuil, Dylan Lawrence (Economics Minor – Co-operative Program)

Rehill, Robert (Co-operative Program)

Shahi, Inderveer (Economics Minor – Co-operative Program) *

Sharma, Richa (Co-operative Program)

Singh, Kristin (Co-operative Program) *

Sun, Hin Fung (Geography and Environmental Management Minor – Co-operative Program) *

Sun, Jiayin *

Sun, Yibin *

Tang, Rui †

Tao, Yuelin *

Teelucksingh, Matthew Sujard *

Teskey, James (Co-operative Program) *

Uprety, Milu (Co-operative Program)

Varghese, John (Human Resources Management Minor – Co-operative Program) *

Venema, Aerin Elise (Co-operative Program) †

Vicente, Abigail (Economics Minor – Co-operative Program) *

Wang, Kejia (Geography and Environmental Management Minor)

Wang, Shuyu *

Wang, Zange

Wei, Guoxing (Co-operative Program)

West, Shayne David (Co-operative Program)

Wosik, Emma Parry (Geography and Environmental Management Minor – Co-operative Program) *

Xu, Han (Mathematics Minor – Co-operative Program)

Xu, Hongwen (Co-operative Program) †

Xu, Yuhuan †

Xu, Ziqian (Economics Minor) †

Xue, Chenxi *

Yu, Qingyue †

Zhang, Hongming (Economics Minor) *

Zhang, Jiayu

Zhang, Yiwen (Co-operative Program) *

Zhang, Yixin †

Zhang, Youwei *

Zhang, Yutong (Geography and Environmental Management Minor)

Zhang, Zhiyue (Computing Minor – Co-operative Program) †

Zhao, Yuanyuan (Geography and Environmental Management Minor – Co-operative Program) *

Zhou, Meihui †

Zhou, Shiyong *

Zhu, Yunhan †

HONOURS ENVIRONMENT, RESOURCES AND SUSTAINABILITY

Anderson, Graham Richard Marshal (Geography and Environmental Management Minor – Co-operative Program)

Arseneault, Metisse (Psychology Minor – Co-operative Program) *

Austin, Hayley Lynn (Anthropology Minor – Co-operative Program) †

Banks, Devon William (Geography and Environmental Management Minor – Co-operative Program) †

Bauman, Liam Thomas (Co-operative Program) *

Beer, Emily Wilhelmina Alicia Marie

Braun, Jenna

Buche, Dylan Karsten (Geography and Environmental Management Minor – Co-operative Program)

Carroll, Cameron Grace (Geography and Environmental Management Minor, Parks Minor – Co-operative Program) *

Charissa, Abishiktha (Geography and Environmental Management Minor)

Cosman, Mackenzie Elizabeth (Co-operative Program) *

Coutu, Dominique (Co-operative Program) †

Cui, Lijie Sarah (Co-operative Program) †

Czerwinski, Alessia (Geography and Environmental Management Minor – Co-operative Program)

Davey, Diana Morgan (Co-operative Program)

Deveau, Jessica Noel (Geography and Environmental Management Minor – Co-operative Program) *

Duda, Olivia Alexandra (Geography and Environmental Management Minor)

Elias, Zane Nassib (Knowledge Integration Minor – Co-operative Program) †

Friday, Jesse Anne (Geography and Environmental Management Minor – Co-operative Program) †

Gan, Keegan Riley Joseph (Classical Studies Minor) †

Ghods, Sara

Grewal, Junee Kaur (Biology Minor – Co-operative Program) *

Hallman, Alexandra Leigh (Geography and Environmental Management Minor – Co-operative Program) *

Henri, Chanel Adrienne (Geography and Environmental Management Minor – Co-operative Program)

Heyden, Nathalie Monique (Human Resources Management Minor, Earth Sciences Minor – Co-operative Program) *

Hu, Yiting (Urban Studies Minor – Co-operative Program) *

Jauniaux, Riley Mackenzie (Geography and Environmental Management Minor – Co-operative Program) *

Jiang, Jingyuan (Geography and Environmental Management Minor)

Jordan, Abraham Josiah (Geography and Environmental Management Minor – Co-operative Program) *

* – Distinction

† – Dean's Honours

Kaufman, Kayley Margaret Allison (Geography and Environmental Management Minor – Co-operative Program) *

Kemeny, Naomi (Fine Arts Studio Minor)

Khan, Malaika (International Studies Minor, Biology Minor, Parks Minor, Geography and Environmental Management Minor – Co-operative Program)

Kolli, Erika Leanne (Parks Minor – Co-operative Program) †

Larmondin, Erin Norah Christina Sullivan

Li, Nian (Environment, Resources and Sustainability & Joint Honours Mathematics – Co-operative Program) *

Li, Xinran

Lloyd-Holcombe, Nicholas Aaron (Urban Studies Minor, History Minor – Co-operative Program)

Mangrue, Vedanarine (Co-operative Program)

Maskell, Hayley Marie Acri (Co-operative Program) †

Mullally, Siobhan Rose (English Language and Literature Minor – Co-operative Program) †

Nguyen, Maggie (Psychology Minor – Co-operative Program)

Niu, Yao Zhi Yi (Geography and Environmental Management Minor)

Pangilinan, Jane Crystal (English Language and Literature Minor) *

Patel, Ali (Urban Studies Minor – Co-operative Program)

Phillips, Jenna Moon Frankie (Geography and Environmental Management Minor – Co-operative Program) †

Plant, Sara Marie (Co-operative Program) †

Podder, Sankha Shuvro

Poleyko, Shayne Jalin (Geography and Environmental Management Minor – Co-operative Program) *

Rahman, Faith Winsome (Parks Minor – Co-operative Program) †

Richardson, Paul Joseph (Geography and Environmental Management Minor – Co-operative Program)

Rogers, Jarod Frederick Nash (Geography and Environmental Management Minor, Parks Minor – Co-operative Program) *

Saleh Nour, Nouran (Peace and Conflict Studies Minor, Geography and Environmental Management Minor – Co-operative Program) *

Seibert, Lucija (Philosophy Minor)

Selliah, Narthanan (Fine Arts Studio Minor – Co-operative Program) *

Silverthorn, Veronica Kolman *

Su, Jingyao (Environment, Resources and Sustainability & Joint Honours Mathematics)

Sun, Zehua *

Tait, Joni-Ann

Taylor, Jamie Robert (Biology Minor – Co-operative Program) *

Wang, Ruixuan (Psychology Minor, Geography and Environmental Management Minor – Co-operative Program)

Wilson, Jane Katherine Kenzora (Peace and Conflict Studies Minor) *

Winckler, Natasha Erika (Geography and Environmental Management Minor – Co-operative Program) *

Yan, Yinghao (Geography and Environmental Management Minor)

Zhao, Wanning *

HONOURS GEOGRAPHY AND AVIATION

Connelly, Jelani Niccolas

Duran, Narren Roberto

Gaspar, Dale Louis Louis

Guthrie, Robert Alan *

Jaszai, Alexander

Kehoe, Evan

Lee, Chun Ting Adrian

Oh, Sekwan (Geomatics Specialization)

HONOURS GEOGRAPHY AND ENVIRONMENTAL MANAGEMENT

Abdi, Guled Mohamed Farah (Geomatics Specialization)

Arias, Jomari Gabriel Canolo (Economy and Society Specialization – Entrepreneurship Minor – Co-operative Program)

Bastedo, Leigha Catherine (Climate Change and Environment Specialization – Urban Studies Minor – Co-operative Program) *

Caesar, Gemma Olivia (Earth Systems Science Specialization – Co-operative Program)

Depew, Elita Ana (Geomatics Specialization – Urban Studies Minor – Co-operative Program) †

Dienstmann, Katherine Fair (Development and Environment Specialization – Co-operative Program) †

Doan, Meagan Alexa (Co-operative Program)

Dutu, Iulian Gabriel (Geomatics Specialization – Co-operative Program) †

Fullan, Tristan Patrick *

Kernohan, Mary Xiao Miao (Aviation Specialization) *

Kim, Duck Hoon (Climate Change and Environment Specialization – Co-operative Program)

Kweyunga, Arnold (Co-operative Program)

Lacey, Amy Lynn (Earth Systems Science Specialization – Co-operative Program) *

Lai, Isa Yi Yi (Development and Environment Specialization – Computing Minor, East Asian Studies Minor – Co-operative Program) †

Ly, Tommy An Vinh (Geomatics Specialization – Biology Minor – Co-operative Program) *

McGuire, Megan Christine (Development and Environment Specialization – Co-operative Program) †

Mendoza, Carlos (Climate Change and Environment Specialization)

Miao, Zhi Sheng (Geomatics Specialization)

Nilsen, Brayden Thomas Henrik (Earth Systems Science Specialization – Co-operative Program) *

Popescu, Simon Mavor (Earth Systems Science Specialization – Co-operative Program) †

Shannon, Kristie Marie (Climate Change and Environment Specialization) †

Sinnige, Sabine Lillian (Climate Change Specialization – Co-operative Program) †

Sonu, Nara (Climate Change and Environment Specialization)

Tanner, Lucas Wesley Lefcourt (Earth Systems Science Specialization – Co-operative Program) *

Wang, Anhua (Co-operative Program)

Wang, Yihao

Wardle, Alexander David (Geomatics Specialization – Urban Studies Minor – Co-operative Program) †

Whiteman, Rae-Ann (Climate Change and Environment Specialization/Business Option) *

* – Distinction

† – Dean's Honours

Wong, Kwan Ting (Earth Systems Science Specialization – Urban Studies Minor – Co-operative Program) †

Wong, Selena G W (Climate Change and Environment Specialization – Co-operative Program) †

Xie, Yin (Economy and Society Specialization – Urban Studies Minor – Co-operative Program) *

Zhou, Jiayu (Geomatics Specialization – Computing Minor, Urban Studies Minor – Co-operative Program)

HONOURS GEOMATICS

Bhalla, Tanvi (Climate Change Specialization – Management Studies Minor – Co-operative Program)

Boughen, Elliott William Benson (Co-operative Program) *

Chen, Jiayi (Mathematics Minor) †

Chen, Kuibin (Computing Minor)

Choo, Yeonhak (Co-operative Program) *

Chung, Joshua Hyung Woo (Computing Option – Co-operative Program) *

Fang, Emerald Xian Liang (Co-operative Program)

Hao, Jia

Haq, Muhammad Aliyan (Computing Minor – Co-operative Program) *

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

Hidalgo, Lyka Mari Usison (Development and Environment Specialization – Computing Minor – Co-operative Program) *

Hou, Xinye (Earth Systems Science Specialization/Computing Option – Combinatorics and Optimization Minor – Co-operative Program)

Hu, Jingyi (Computing Option – Co-operative Program) *

Hu, Jirui (Computing Minor) *

Khan, Eeman (Computational Mathematics Minor – Co-operative Program)

Kwok, Johannah Young-Kay (Climate Change and Environment Specialization – Computing Minor – Co-operative Program) †

Lawton, Ethan Bruce (Earth Systems Science Specialization – Co-operative Program) *

Li, Ding †

Li, Siyu (Geomatics & Joint Honours Mathematics – Co-operative Program) †

Li, Wanxin (Mathematics Minor)

Li, Yiyan (Mathematics Minor) *

Liang, Linus Mitchell (Co-operative Program)

Liu, Jingyang (Computing Minor – Co-operative Program)

Lomakina, Anastasia (Computing Minor – Co-operative Program) *

Lu, Shucen (Mathematics Minor – Co-operative Program) *

Lyu, Muyun (Computing Minor) *

Manea, Vlad Ionel (Computer Science Minor)

Mehrotra, Navya (Aviation Specialization – Co-operative Program)

Ng, Marcus Cy (Co-operative Program) *

Pandey, Kumudika (Computing Minor – Co-operative Program)

Perry, Nicolas Mikhale (Computing Minor) *

Pilozo-Hibbit, Nolan Gregory (Computing Option – Co-operative Program)

Rosborough, Liam James (Computing Minor – Co-operative Program)

Selvakamalan, Praven Ron (Co-operative Program) *

Shah, Anugra Gaurang Kumar (Computing Minor)

Siddiqui, Muhammad Mujtaba (Computing Option – Co-operative Program)

Song, Guohui (Co-operative Program)

Tam, Curtis Theodore (Climate Change and Environment Specialization – Computing Minor – Co-operative Program) *

Tang, Ruikai (Computing Minor – Co-operative Program)

Tram, Scott Cuong (Co-operative Program)

Tu, Gabriel (Computing Minor – Co-operative Program)

Wang, Yuchen (Mathematics Minor) *

Wark, Brendan Wray

Warling, Cole Cordeiro (Earth Sciences Minor – Co-operative Program) *

Wigg, Thomas Andrew (Co-operative Program)

Xu, Longxiang †

Yang, Ming *

Yin, Zihan (Geomatics & Joint Honours Mathematics – Co-operative Program) †

Zhang, Keqing (Computing Option – Co-operative Program)

Zhao, Huixin (Computing Minor)

Zhao, Lu (Mathematics Minor) †

HONOURS INTERNATIONAL DEVELOPMENT

Aamir, Nashmia (Research Specialization)

Abdel-Ghafar, Manar Samir (Practice Specialization)

Amare Lemma, Christiane (Practice Specialization) *

Aryal, Nikhel Sumukh (Practice Specialization – Social Development Studies Minor)

Calpito, Andrew Ryan (Research Specialization)

Darling, Amelia Mckenzie (Research Specialization) *

Doucette, Kassandra Michelle (Practice Specialization)

Fong, Carrie (Practice Specialization – Urban Studies Minor) *

He, Kevin (Research Specialization) *

Herdman, Nicole Linda (International Development – Research Specialization & Joint Honours Peace and Conflict Studies) †

Khan, Laeba (Practice Specialization – Political Science Minor) *

Morgado, Jason (Research Specialization)

Mundh, Maliha Nasir (Research Specialization) *

Scribner, Anna Marta (Practice Specialization – Urban Studies Minor) †

Sivaloganathan, Meenakshi Laxmi (Practice Specialization – Environment, Resources and Sustainability Minor) *

Virdee, Avnita Kaur (Practice Specialization – Geography and Environmental Management Minor)

Watson, Tenedee Amanda (Research Specialization)

HONOURS PLANNING

Adeyemi, Joy Adeola Adewura (Urban Design Specialization – Co-operative Program) *

Albert, John (Land Development Planning Specialization – Co-operative Program) *

Alonso, Veronica Maria (Co-operative Program) *

Anderson, Riley (Co-operative Program) *

* – Distinction

† – Dean's Honours

Anwar, Ayza (Land Development Planning Specialization & Urban Design Specialization – Psychology Minor – Co-operative Program) *

Austin-Igbuku, Oghenemaro Odogu (Land Development Planning Specialization – Co-operative Program) *

Babin, Caleb Roger Hickey (Environmental Planning and Management Specialization – Co-operative Program) *

Baird, Rahim Luke (Co-operative Program) *

Baker, Mitchell Nathan (Geography and Environmental Management Minor, Urban Studies Minor – Co-operative Program)

Balakji, Stefan Jonathan (Co-operative Program)

Barker-Sharp, Claire Rosalind (Co-operative Program) †

Brix, Karsten Bjorn (Geography and Environmental Management Minor – Co-operative Program) *

Chen, Jingyi (Land Development Planning Specialization – Co-operative Program) *

Cheng, Victoria Rose (Land Development Planning Specialization – Co-operative Program)

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

Craig, Benjamin Thomas (Co-operative Program)

Curry, Kathryn Eileen (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program) †

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

Dela Pena, Samantha Christine (Urban Design Specialization – Co-operative Program) *

Dhanani, Alifia (Environmental Planning and Management Specialization & Land Development Planning Specialization – Co-operative Program)

Dhillon, Jaskaran (Co-operative Program) †

Dobrindt, Brittany Kirsten (Decision Support and Geographical Information Systems Specialization & Environmental Planning and Management Specialization – Co-operative Program) *

Dorosz, Megan (Co-operative Program) *

Dublin-Green, Ibifuro Josephine (Urban Design Specialization/ Tourism Option – Co-operative Program) *

Dutta, Debarghya (Economics Minor – Co-operative Program)

Faulhammer, Maximilian Robert (Environmental Planning and Management Specialization & Land Development Planning Specialization/Business Option – Co-operative Program) *

Ferko, Madeleine Renee (Co-operative Program)

Fu, Da (Co-operative Program) *

George, Yvette Christina (Co-operative Program)

Greiner, Marcus James (Co-operative Program)

Harker, Samuel Huan Chen (Co-operative Program) †

Highfield, Abby Louise (Land Development Planning Specialization – Legal Studies Minor – Co-operative Program) *

Ho, Kelly (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

Ho, Vivian (Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Hodgins, Victoria Liu (Co-operative Program)

Huang, Lucia (Environmental Planning and Management Specialization – Co-operative Program) †

Hui, Michelle (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

Huynh, Christine San San (Co-operative Program) *

Imtiaz, Haris (Co-operative Program)

Ing, Natasha Jade (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) †

Jamaly, Naqiya (Land Development Planning Specialization – Co-operative Program) *

Katsouleas, Jonathan (Land Development Planning Specialization – Co-operative Program)

Kim, Sungjin (Co-operative Program)

Kim, Young Hun (Co-operative Program) *

Labuda, Alexandra (Environmental Planning and Management Specialization – Co-operative Program) †

Lacson, Ritzael Danielle Dedoroy (Co-operative Program)

Lai, Yin Tung Natasha (Geography and Environmental Management Minor – Co-operative Program) *

Lamaj, Alesia (Co-operative Program)

Lau, Renee Rachelle (French Minor, Geography and Environmental Management Minor – Co-operative Program) *

Lim, Justin Jehun (Co-operative Program)

Lin, Peixin (Co-operative Program)

Linker, Margot Johanna (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Luo, Lillian (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

MacLaren, Noah Paul (Co-operative Program) †

Main, Fiona Maja Bacic (Urban Design Specialization – Co-operative Program) *

Masic, Mila (Urban Design Specialization – Co-operative Program) *

Mathouda, Damanpreet Kaur (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

McIntyre, Robyn Charlotte Anne (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

McKillop, Benjamin Thomas (Co-operative Program) †

Mennie, Robin Skye (Geography and Environmental Management Minor – Co-operative Program) †

Mo, Wenxue (Co-operative Program)

* – Distinction

† – Dean's Honours

Muhamad-Salih, Zaid (Urban Design Specialization – Co-operative Program)

Nagayama, Miho (Co-operative Program) †

Ngan, Tracy (Urban Design Specialization – Management Studies Minor – Co-operative Program) *

Nguyen, Bill (Decision Support and Geographical Information Systems Specialization – Co-operative Program)

Nguyen, Jessica (Urban Design Specialization – Co-operative Program) *

Peticca, Matthew John (Co-operative Program)

Pripon, Dorotea Emanuela (Land Development Planning Specialization – Co-operative Program) *

Qazi, Muneer Ullah (Co-operative Program) *

Ren, Jian Heng (Land Development Planning Specialization – Sociology Minor – Co-operative Program) †

Rettinger, Connor Anthony (Environmental Planning and Management Specialization – Social Development Studies Minor – Co-operative Program)

Rose, Cameron Jonathan (Urban Design Specialization – Co-operative Program) *

Rusu, Christina (Fine Arts Studio Minor – Co-operative Program) *

Salvucci, Daniel (Land Development Planning Specialization – Co-operative Program) *

Skabowski, Sara Dominika (Environmental Planning and Management Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Song, Minan (Urban Design Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Su, Pauline Victoria (Co-operative Program) *

Sugiura, Christina Ayumi (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Suri, Natasha (Urban Design Specialization – Co-operative Program) *

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

Tang, Eugena (Environmental Planning and Management Specialization – Co-operative Program)

Tao, Ting Christine (Co-operative Program) *

Tessaro, Zachary Vince Wayne (History Minor – Co-operative Program)

Thiessen, Jonah Aldred (Co-operative Program) *

Todd, Dean (Environmental Planning and Management Specialization – Co-operative Program) †

Tremblay, Liam Alan (Urban Design Specialization – English Language and Literature Minor – Co-operative Program) †

Tse, Diana Jane (Environmental Planning and Management Specialization – Co-operative Program) *

Valcin-Wright, Chloe Margaret (Urban Design Specialization – Co-operative Program)

Vieira, Jessica Rose (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

Wang, Anqi (Land Development Planning Specialization & Urban Design Specialization – Co-operative Program) *

Wang, Yu Yao (Planning – Decision Support and Geographical Information Systems Specialization & Land Development Planning Specialization & Joint Honours Mathematics – Co-operative Program) *

Wang, Yue (Environmental Planning and Management Specialization – Co-operative Program) *

Whilsmith, Harrison Douglas (Environmental Planning and Management Specialization – Co-operative Program)

Whitehead, Kaitlyn Georgia (Co-operative Program) *

Wilson, Alexandria Michelle (Environmental Planning and Management Specialization – Co-operative Program) †

Wong, Emily Tze-Chee (Geography and Environmental Management Minor – Co-operative Program) *

Wong, Ying Chi (Land Development Planning Specialization – Co-operative Program)

Wright, Connor James (Urban Design Specialization – Co-operative Program) *

Wu, Songsong (Land Development Planning Specialization – Co-operative Program) †

Yi, Jessica Jo (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) *

Zeng, Yuan Ying (Co-operative Program)

Zheng, Yuxiang (Land Development Planning Specialization – Geography and Environmental Management Minor – Co-operative Program) †

BACHELOR OF KNOWLEDGE INTEGRATION

HONOURS PROGRAM

Cappellani, Kiera Elizabeth (Collaborative Design Specialization – Applied Language Studies Minor, Cognitive Science Minor) *

Carvajal, Kathyana (Knowledge Integration – Collaborative Design Specialization & Joint Honours Psychology) *

Castellino, Nicole Abbie Nyna (Collaborative Design Specialization)

Gardien, Bailey Berdan (Urban Studies Minor)

Hill, Alexis Kathleen Foss (Collaborative Design Specialization & Science, Technology & Society Specialization – Peace and Conflict Studies Minor) †

Kaethler, Hannah Brubacher (Medical Physiology Minor) *

Kawano, Luna (Business Option – Computing Minor) †

Lavallée-Gordon, Isabelle (Economics Minor, Legal Studies Minor) *

Layden, Gabriel James

Luo, Sunny (Knowledge Integration – Collaborative Design Specialization & Joint Honours Mathematics – Computing Minor) *

Martin, Eve Questa (Human Resources Management Minor, Psychology Minor) †

* – Distinction

† – Dean's Honours

Matsui, Roya Emiko Rootham †

McIlroy-Young, Deirdre Amelia
(Classical Studies Minor, Philosophy Minor) *

Norton, Chase Grant (History Minor) *

Raynham, Cassidy Winter
(Mathematics Minor) †

Tran, William (Collaborative Design Specialization) *

Truchon, Bridget Marie Anne
(Economics Minor) *

Whitman, Zoe Maria (Collaborative Design Specialization – Philosophy Minor) *

DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION

Arseneault, Metisse
Bauman, Liam Thomas
Beer, Emily Wilhelmina Alicia Marie
Buche, Dylan Karsten
Duda, Olivia Alexandra
Gardien, Bailey Berdan
Henri, Chanel Adrienne
Jauniaux, Riley Mackenzie
Khan, Malaika
Kolli, Erika Leanne
Lacey, Amy Lynn
Maskell, Hayley Marie Acri
Mullally, Siobhan Rose
Plant, Sara Marie
Poleyko, Shayne Jalin
Seibert, Lucija
Tanner, Lucas Wesley Lefcourt

DIPLOMA IN ENVIRONMENTAL ASSESSMENT

Anderson, Graham Richard Marshal
Austin, Hayley Lynn
Bastedo, Leigha Catherine
Buche, Dylan Karsten
Caesar, Gemma Olivia
Carroll, Cameron Grace
Charissa, Abishiktha
Coutu, Dominique
Czerwinski, Alessia
Darling, Amelia Mckenzie
Dhanani, Alifia
Dienstmann, Katherine Fair
Duda, Olivia Alexandra
Foote, James William
Friday, Jesse Anne
Grewal, June Kaur
Hallman, Alexandra Leigh
Herdman, Nicole Linda
Hu, Yiting
Jauniaux, Riley Mackenzie
Jordan, Abraham Josiah
Kemeny, Naomi
Lacey, Amy Lynn
Larmondin, Erin Norah Christina
Sullivan
Li, Nian

Lim, Justin Jehun
Maistry, Medha Shreena
Mangrue, Vedanarine
Maskell, Hayley Marie Acri
McGuire, Megan Christine
Mullally, Siobhan Rose
Pangilinan, Jane Crystal
Phillips, Jenna Moon Frankie
Popescu, Simon Mavor
Purewal, Amanpreet Kaur
Rettinger, Connor Anthony
Saleh Nour, Nouran
Salvucci, Daniel
Scribner, Anna Marta
Seibert, Lucija
Silverthorn, Veronica Kolman
Singh, Kristin
Tait, Joni-Ann
Tanner, Lucas Wesley Lefcourt
Taylor, Jamie Robert
Uprety, Milu
Wang, Ruixuan
Wang, Yue
Wardle, Alexander David
Winckler, Natasha Erika
Wong, Kwan Ting
Wong, Selena G W

DIPLOMA IN FRENCH LANGUAGE I

Gardien, Bailey Berdan

DIPLOMA IN FRENCH LANGUAGE II

Cappellani, Kiera Elizabeth
Castellino, Nicole Abbie Nyna
Cui, Lijie Sarah
Matsui, Roya Emiko Rootham
Rahman, Faith Winsome
Rosborough, Liam James

DIPLOMA IN JAPANESE LANGUAGE I

Lai, Yin Tung Natasha

DIPLOMA IN JAPANESE LANGUAGE II

Lai, Isa Yi Yi

DIPLOMA IN KOREAN LANGUAGE I

Zhao, Huixin

DIPLOMA IN SPANISH LANGUAGE I

Anwer, Samia
Olomodosi, Oluwafunmilayo
Onyinyechi

DIPLOMA IN SUSTAINABILITY

Awan, Aleea Ahmed
Bezarevic, Andrew Brandon
Depew, Elita Ana
English, Benjamin William
Graham, Benjamin Charles

McBean, Tyler John
Ramballie, Megan Sorena
Selvakamalan, Praven Ron
Shannon, Kristie Marie
Zhao, Yuanyuan

DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS

Barker-Sharp, Claire Rosalind
Bhalla, Tanvi
Charissa, Abishiktha
Dublin-Green, Ibifuro Josephine
Dutu, Iulian Gabriel
Haq, Muhammad Aliyan
Hu, Jingyi
Jordan, Abraham Josiah
Li, Nian
Li, Siyu
Li, Wanxin
Lu, Shucen
Qazi, Muneer Ullah
Sousa, Jason Anthony Woody
Tam, Curtis Theodore
Wong, Kwan Ting
Yin, Zihan

CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

Patten, Matthew Allen
Popescu, Simon Mavor

CERTIFICATE IN EXPERIENTIAL EDUCATION

Cappellani, Kiera Elizabeth

CERTIFICATE IN GLOBAL EXPERIENCE

Ho, Vivian
Lai, Isa Yi Yi
Luo, Sunny
Rettinger, Connor Anthony
Xu, Hongwen

* – Distinction
† – Dean's Honours

Outstanding Achievements

MEDALS AND AWARDS

UNIVERSITY FINALIST FOR THE GOVERNOR GENERAL'S GOLD MEDAL

Doctoral

Katharine Rae Zywert

Master's

Gayathri Valappil (Fall 2021)

THE UNIVERSITY OF WATERLOO PRESIDENT'S AWARD OF EXCELLENCE

**Highest standing in an
undergraduate degree program**

Jenna Moon Frankie Phillips

THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Outstanding academic achievement

Katherine Fair Dienstmann

DEPARTMENTAL AWARDS

Distinguished Academic Achievement

Environment and Business –

Prarthna Rhea Kashyap

Environment, Resources and

Sustainability – **Jenna Moon**

Frankie Phillips

Geography and Environmental

Management – **Katherine Fair**

Dienstmann

Geomatics – **Zihan Yin**

International Development – **Nicole**

Linda Herdman

Knowledge Integration – **Luna Kawano**

Planning – **Natasha Jade Ing**

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/impact-stories/new-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.

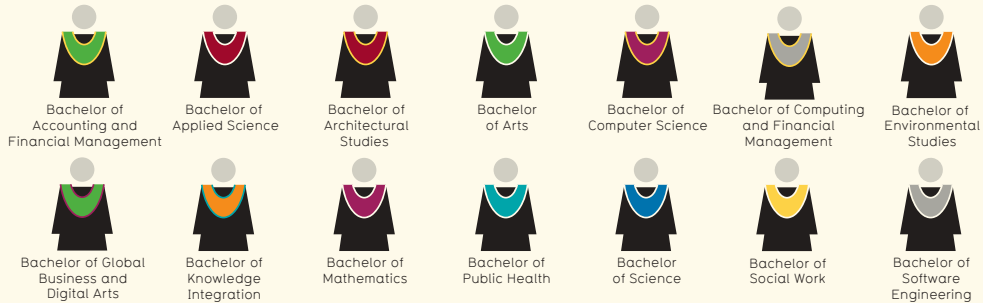
THE HOOD

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.

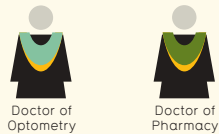
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

Academic Dress

BACHELOR'S



PROFESSIONAL DOCTORATE



MASTER'S



DOCTORAL



HONORARY DOCTORATE



CONVOGATION



uwaterloo.ca

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