



ONE HUNDRED AND TWENTY-EIGHTH CONVOCATION

# CONVOCATION

FRIDAY  
JUNE  
**14**  
2024

**FACULTY OF SCIENCE**  
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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FRIDAY, JUNE 14, 2024

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## TERRITORIAL ACKNOWLEDGEMENT

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

# Message from the Chancellor

*Welcome 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

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**“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

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**“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

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**“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

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## A CALLING TOGETHER

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

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## CONNECTING WITH TRADITION

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

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## THE PROCESSION

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

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

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

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## THE MACE

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

The symbolic theme of the mace is unity amid diversity, and tension in the creative intellectual process that 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.

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## THE COAT OF ARMS AND MOTTO

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

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## DEGREES AND HONORARY DEGREES

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

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

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

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## EAGLE STAFF

On September 22, 2022, the University of Waterloo held a Commitment Ceremony pledging action toward decolonization, Indigenization and reconciliation. Weaving in the knowledge, ways of knowing, and understandings of First Nations, Métis and Inuit peoples equips the Waterloo community, especially Waterloo graduates, with the tools and knowledge they need to create a better future for all. The commitment was formalized through a Pipe Ceremony, after which 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.



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

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

# Honorary Doctorates

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

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.



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## 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.

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## 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.*

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.

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## 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.*



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## 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.



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## 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.



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## 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.

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## 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.

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## 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.

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## 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.

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## 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

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## **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



# MORNING CEREMONY

Degrees and diplomas from:  
**UNIVERSITY OF WATERLOO**  
**FACULTY OF SCIENCE**



# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Barwell, Sarah Alexis Erica** (Biology)  
“Structural and Biochemical Insights into Previously Uncharacterized Activity of Nucleotide-Dependent Phosphoenolpyruvate Carboxykinases”

**Chen, Xiaoxin** (Vision Science)  
“Investigating the Enhancement of Visual Cortex Plasticity Through Non-Invasive Brain Stimulation”

**Firth, Britney Lynn** (Biology)  
“Seasonal and Environmental Effects on Physiological Tolerances and Gill Adaptations of Imperilled Eastern Sand Darter (*Ammocrypta pellucida*)”

**George, Nikhil Anil** (Biology)  
“A Metagenomic Examination of Virus Diversity, Host Interactions, and Genetic Potential Across Municipal Waste Sites”

**Jenkins, Benjamin** (Biology)  
“Characterization of Novel Protease Flagellinolysin in *Pseudomonas tunicata*”

**Kefale, Teshager Bitew** (Biology)  
“Metabolic Engineering Strategies for Biomanufacturing of Chemicals Using *Yarrowia lipolytica* and *Escherichia coli*”

**Mohammed, Abdul Rasheed** (Vision Science)  
“Advancing Hyperacuity for Vision Screening”

**Soto Davila, Manuel Alejandro** (Biology)  
“Non-Specific Immune Response and Disease-Resistance in Chinook Salmon (*Oncorhynchus tshawytscha*) Supplemented with Probiotics”

**Wei, Xin** (Biology)  
“Comparative Analysis and Visualization of Microbial Gene Neighborhoods: Applications to Pathogen Genomics”

**Weinstein, Spencer Yael** (Biology - Water)  
“Community-Partnered Research on Subsistence Char Fisheries Near Kugluktuk, Nunavut: Novel Insights from Traditional Knowledge and Western Science”

**Zhao, Yusheng** (Pharmacy)  
“Arylbenzamide and Arylcarboxamide Derivatives as Modulators of Amyloid-Beta Aggregation”

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## MASTER OF PHARMACY

**Rauf, Mohammad Faisal** (Advanced Pharmacy Practice)

**Tam, Allen Cheuk-Ho** (Advanced Pharmacy Practice)

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## MASTER OF SCIENCE

**Abrar, Fatima** (Biology)

**Dang, Xiaoqing** (Biology)

**Dong, Sihan** (Pharmacy)

**Eskandari, Yasaman** (Pharmacy)

**Fatima, Syeda Sakina** (Pharmacy)

**Fernando, Liyanadurage Merium** (Pharmacy)

**Haskell, Blake Robert Braga** (Biology)

**Hudecki, Heather Marie** (Vision Science)

**Jensen, Grant Benjamin** (Biology)

**Johnsen, Philip Raymond** (Biology)

**Krishna, Anjali** (Biology)

**Lundsgaard-Nielsen, Christine** (Biology)

**Pinks, Lauryn Barbara** (Biology)

**Prater, Madeleine** (Biology - Water)

**Ramasamy, Megala** (Vision Science)

**Rishabh** (Pharmacy)

**Rivera, Laura** (Biology)

**Shukla, Manishkumar Rajendra** (Vision Science)

**Thompson, John Drew** (Biology)

**Wong, Calvin James** (Pharmacy)

**Zamora, Cailyn Mary** (Biology)

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## GRADUATE CERTIFICATE

**Andrade Pereira, Debora** (University Teaching)

# Undergraduate Degrees

## BACHELOR OF SCIENCE

### GENERAL SCIENCE – THREE YEAR

**Abdallah, Amneh Ahmad** (Biology Minor)

**Allen, William Carter** †

**Ao, Jie**

**Aquino, Andrei John Habon** (Biology Minor) †

**Arora, Lovepreet Singh** (Physics Minor, Computing Minor)

**Badwal, Jasneet Singh**

**Beshay, Heaven** †

**Bickers, Olivia Rose**

**Concepcion, Krista Regine**

**Covaci, Aleck Gabriel** (Geography and Environmental Management Minor)

**Darar, Arvinder Singh**

**Do, Khang Tuong Tuong**

**Dunn, Bradley Jonathon William** †

**Encarnacion, Patricia Beatrice** (Medical Physiology Minor, Psychology Minor)

**Feng, Dina Shu Xin**

**Gao, Haibo**

**Geum, Kyung Yoon**

**Gill, Khushleen Kaur**

**Gill, Sukhdeep Singh**

**Glavan, Alexandru**

**Gust, Melanie** †

**Hatashita, Krestian**

**Herschberger, Aaron** (Computing Minor, Physics Minor)

**Holmes, Aliah Rachel**

**Khabra, Ramneek Singh**

**Khalid, Humdha**

**Kumar, Mandeep Kour** (Astrophysics Minor)

**Lac-Luu, Victoria Grace**

**Laleen, Zainab** (Psychology Minor)

**Leggett, Christian Joseph** (Biology Minor)

**Malhotra, Swati**

**Mohamed, Rawan**

**Montes, Sarah Renée** (Biology Minor)

**Moussa, Michelle** †

**Muhammad, Roha**

**Nguyen, Phuc Huy**

**O'Neill, Eric James** (Biology Minor) \*

**Osagie, Orobosa Faith**

**Palmieri, Nicholas Frank** (Philosophy Minor)

**Peng, Zhengxiao**

**Rahman, Asmah** (Biology Minor)

**Reynolds, William**

**Sakamoto, Eric Robert**

**Sarr, Ramata** (Biology Minor)

**Shen, Ada Hong** \*

**Shethna, Aman**

**Song, Qifan**

**Song, Xiuquan**

**Sonier, Bazil Lorenzo**

**Stevenson, Foster Alexander** (Anthropology Minor)

**Straus, Emma Margaret**

**Tai, Aaron Justin** †

**Tchigio Djomou, Tiffany Ange** (Biology Minor) †

**Uppal, Maninder Singh**

**Velez, Leonardo Gordilho Simas Batista**

**Wang, Rosalind** (Biology Minor) †

**Wu, Zhengyang**

**Yang, Tingting Yang** (Physics Minor)

**Zhang, Qingchen**

### HONOURS BIOLOGY

**Abdillahi, Simone** (Biotechnology Specialization – Co-operative Program)

**Aguilar, Dahanny Glaysinett** (Biotechnology Specialization – Co-operative Program)

**Agung, Yosephine** (Psychology Minor) \*

**Alcazaren, Cyrell**

**Anthwal, Neelanjay** (Molecular Genetics Specialization/ Bioinformatics Option – Co-operative Program)

**Balbontin, Nathalie Arianowa** (Co-operative Program) †

**Balthazaar, Rebecca Ashwini** (Medical Physiology Minor – Co-operative Program)

**Berdeklis, Antonia Nicole** †

**Cachia, Samantha Ann** (Fine Arts Studio Minor – Co-operative Program) \*

**Campbell, Amber Kaylee** (Animal Biology Specialization – Co-operative Program) \*

**Campbell, Keidi Nicole** (Medical Physiology Minor – Co-operative Program)

**Chadha, Anu** (Bioinformatics Option – Medical Physiology Minor – Co-operative Program) \*

**Chandrakumar, Thushani** (Co-operative Program) \*

**Chang, Wei-Lin** (Co-operative Program)

**Chauhan, Jahanvi Sandeepsinh** (Co-operative Program)

**Chen, Wai Chung** (Co-operative Program) †

**Chen, Zeying** (Bioinformatics Option) \*

**Chhabra, Prakriti** (Molecular Genetics Specialization – Co-operative Program)

**Clare-Green, Nathan Thomas** (Chemistry Minor) †

**Clark-Baba, Connor Riley** (Computing Minor – Co-operative Program) †

**Claussen, Sara** (Environmental Biology Specialization – Co-operative Program) †

**Davidson, Liam John** (Co-operative Program)

**Dhindsa, Kaamna Kaur** (Co-operative Program)

**Drapeau, Michelle Marie** (Co-operative Program) †

**Duong, Tammy** (Co-operative Program) \*

**Flemming, Sean Andrew** (Bioinformatics Option)

**Furness, Seamus Simon George** (Co-operative Program)

**Gamboa, Danica Marie Contreras** (Management Studies Minor)

**Gardner, Elijah David**

**Gawel-Tamm, Kristina Elizabeth** (Environment, Resources and Sustainability Minor – Co-operative Program) \*

**Griffin, Avery Aleisha** (Co-operative Program) \*

\* – Distinction

† – Dean's Honours

**Guttman, Kevin Matthew** (Co-operative Program)

**Hallman, Dana Elizabeth Barbara** (Environmental Biology Specialization – Co-operative Program) \*

**Hardy, Sarah Kathryn** (Co-operative Program) †

**Hill, Sheridan McKenzie** (Geography and Environmental Management Minor) †

**Ho, Anson Cheuk-Yin** (Chemistry Minor) \*

**Houck, Jodie Lynn** (Environmental Biology Specialization/ Bioinformatics Option)

**Huang, Yinghua**

**Huber, Cole Thomas** (Classical Studies Minor – Co-operative Program)

**Irfan, Momina** (Co-operative Program) \*

**Ivanova, Anna** (Molecular Genetics Specialization – Co-operative Program) †

**Jeyachandran, Arabe** (Management Studies Minor – Co-operative Program)

**Jivraj, Saaliha** (Geography and Environmental Management Minor)

**Jung, Tyler Danny**

**Kamal, Marryum** (Canadian Politics and Public Policy Minor)

**Khan, Sadia** (Psychology Minor – Co-operative Program)

**Kostadinovic, Ema** (Molecular Genetics Specialization – Co-operative Program) \*

**Kugler, Michael Alan** (Philosophy Minor)

**Kumbhani, Harrison Alexander Wilhelm** (Animal Biology Specialization – Co-operative Program) †

**Kurtz, Erika Elizabeth** (Animal Biology Specialization – Co-operative Program) †

**Lad, Maitri** (Co-operative Program) †

**Laevens, Grace Carolynn Sarah** (Biotechnology Specialization – Co-operative Program) †

**Lee, Chloe Minji** (Co-operative Program) \*

**Leslie, Geeteka** (Medical Physiology Minor – Co-operative Program) \*

**Lim, Chia-Yee Cassie** (Biotechnology Specialization – Co-operative Program) †

**Louis, Lillia Marie Evans** (Gerontology Minor – Co-operative Program)

**Ly, Vincent** (Co-operative Program) \*

**MacLean, Grace Evelyn** \*

**Maerten, Anthe Joie** (Molecular Genetics Specialization/ Bioinformatics Option – Co-operative Program) \*

**Maisuria, Arushi** †

**Mashlab, Haidar** (Co-operative Program) †

**Mundra, Deepkanwal Singh** (Co-operative Program) \*

**Murshed, Zahin** (Bioinformatics Option)

**Osokin, Viacheslav** (Biotechnology Specialization/Bioinformatics Option – Co-operative Program) †

**Parker, Alanna Julie Marie** (Co-operative Program) †

**Patel, Aashvi Nilesh** (Molecular Genetics Specialization/ Bioinformatics Option)

**Patten, Alexander Samuel** (Microbiology Specialization – Co-operative Program) †

**Pereira, Megan Evelyn**

**Perry, Cailyn Marie** (Molecular Genetics Specialization/ Bioinformatics Option – Co-operative Program) †

**Pierro, Marco Gianfranco** (Co-operative Program)

**Purisic, Medina** (Medical Physiology Minor) †

**Rao, Prateek** (Biotechnology Specialization)

**Reddy, Varun Joggari** (Co-operative Program) †

**Regmi, Ashwini**

**Remillard, Kasey Lynn** (Co-operative Program) †

**Richards, Alexis Seul-Gi** (Psychology Minor – Co-operative Program)

**Roberts, Meagan Dorothy**

**Rodrigues, Angelica Seleena** (Chemistry Minor)

**Roy, Emmanuelle** (Microbiology Specialization) †

**Sarin, Tanya** (Co-operative Program) †

**Schuetz, Megan** (Co-operative Program) \*

**Shanmugam, Arunemathi** (Co-operative Program) †

**Shewell, Isaiah Austin** (Co-operative Program)

**Shin, Uijin**

**Stanbridge, Alexandra Rachelle**

**Stapleton, James Michael** (Biochemistry Minor – Co-operative Program) †

**Su, Agnes** (Co-operative Program) †

**Supinski, Rochelle Malinda**

**Sutaria, Dhanvin Rakesh** \*

**Szenasi, Allison** (Microbiology Specialization – Co-operative Program) †

**Tạ, Anh Hoàng** (Biotechnology Specialization) \*

**Tanveer, Ishmam Jumayal** (Co-operative Program)

**Topalcevic, Lara** \*

**Velmurugan, Vaigeevan** (Environmental Biology Specialization – Co-operative Program) †

**Verghese, Johan Thomas** (Co-operative Program) †

**Walker, Grace Jane** (Co-operative Program) †

**Williams, Kathryn Elizabeth** (Microbiology Specialization – Co-operative Program) \*

**Wong, Kaitlyn Ashley** (Psychology Minor – Co-operative Program) †

**Wong, Megan Cassidy** (Chemistry Minor – Co-operative Program) \*

**Wu, Chaofan** (Bioinformatics Option)

**Wu, Meng-Yun** (Bioinformatics Option – Co-operative Program) †

**Xie, Richard** (Bioinformatics Option) \*

**HONOURS BIOMEDICAL SCIENCES**

**Aceti, Julietta Thuy Nhien** †

**Adam, Amanda Makanaka** (Medical Physiology Minor)

**Al Balushi, Taif** (Psychology Minor) \*

**Alidina, Natasha** (Psychology Minor)

**Al-Jaf, Rose**

**Avram, Denisa**

**Bains, Kenisha**

**Beavers, Avery Jesse** \*

**Biscocho, John Emmanuel**

**Bradley, Jessica Leilani** (East Asian Studies Minor) †

**Brown, Kayla Patricia** (Psychology Minor)

**Burt, Emily Anne** (Cognitive Science Minor) \*

**Chan, Elliot** \*

**Chaudhary, Aleena Arij** (Psychology Minor)

**Cheung, Shirley Wai-Yan** †

\* – Distinction

† – Dean's Honours

**Choy, Jazmaine Mirelle** (Applied Language Studies Minor, Psychology Minor) \*

**Cimermancic, Alexa Marie** †

**Dekker, Taylor Jade** (Medical Physiology Minor) \*

**Derbyshire, Hanna Mackenzie** (Medical Physiology Minor)

**Dittmar-McCallum, Keanna**  
**Cassandra** (Psychology Minor, Anthropology Minor)

**Driediger, Sarah Jane** †

**Dyke, Sophie Alice Rita** (Medical Physiology Minor) †

**Emmanuel, Stephany Ewomazino** (Medical Physiology Minor)

**Ferguson, Aidan John Edward** \*

**Forfar, Shakira Rose Duncan** †

**Franco-Valencia, Isabella** (Medical Physiology Minor) †

**Friedrich Yap, Jasmine Marie** \*

**Garcia Cubillos, Maria Paula** (Psychology Minor) †

**Geiger, Kaylee Marie** (Medical Physiology Minor, Psychology Minor)

**Gisgw, Vivian Anwer**

**Gregory, Daniel Weston** (Medical Physiology Minor) †

**Hadi, Saira Noor** †

**Hariharan, Brashaya** (Psychology Minor)

**Hehar, Omkar Kaur** †

**Ho, Elina Enze** (Medical Physiology Minor)

**Huynh, Delaini** (Medical Physiology Minor) †

**Ingalls, Alexa Brooke** †

**Joseph, Tyler Matthias** (Medical Physiology Minor) \*

**Jutlah, Lauren Brianne** †

**Kalra, Sanjana** (Bioinformatics Option)

**Kaur, Guneeta** (Medical Physiology Minor)

**Kim, Annette Katherine Yoon-Jung** \*

**Kim, Christine Hyunjin** (Psychology Minor)

**Lalani, Isha Amin**

**Lee, Kyeongseon** (Music Minor)

**Leung, Brian Hin Cheung** \*

**Li, Ruohan** †

**Lodhy, Savera** (Psychology Minor)

**Maher, William Winfield** (Psychology Minor, Medical Physiology Minor)

**Marin, Valentina** \*

**Menon, Ria** (Bioinformatics Option – Psychology Minor) †

**Merawi, Robel Naod** (Bioinformatics Option)

**Musa, Musa** (Medical Physiology Minor) †

**Najarali, Salina** †

**Nicolaisen, Matthew Evan**

**Odunlami, Idowu Oreoluwa** (Psychology Minor) \*

**Patel, Aneesh** †

**Patel, Jayshree Dalpath**

**Patel, Rahul** (Medical Physiology Minor)

**Regier, Rachel Irene** (Medical Physiology Minor) †

**Riley, Ronaldo Kymani Scott** †

**Sadique, Mohammad Farhan** \*

**Sandhu, Shaanveer Singh** †

**Semervil-Devalus, Ludnick** (Psychology Minor)

**Serrone, Chiara Kehmoa** †

**Shetty, Teertha Santosh**

**Sluys, Alexa** (Medical Physiology Minor) \*

**Soutar, Madeleine Maureen**

**Sultan, Iqra Zabeen** (Medical Physiology Minor) \*

**Szczepanek, Olivia Magdalena** \*

**Teszner, Emma Sabine Helga** (Medical Physiology Minor) \*

**Thajuddin, Irdina** (Psychology Minor)

**Tran, Kenneth**

**Tran, Sandra**

**Vellalaghan, Aswini** (Medical Physiology Minor)

**Vimalanathan, Shahana** (Medical Physiology Minor) \*

**Waqar, Shazah** (Psychology Minor) \*

**Wilmot, Justen** (Medical Physiology Minor) †

**Wiwatowski, Maya Claudia** †

**Wu, Yi** (Bioinformatics Option)

**Yokarajah, Kajana**

**Zafar, Sabrina** (French Minor) †

**Zakout, Lina** (Medical Physiology Minor)

**Zhen, Sunny** (Psychology Minor) †

**HONOURS BIOTECHNOLOGY/  
CHARTERED PROFESSIONAL**

**Baig, Zia Kamran** (Co-operative Program) \*

**Chen, Echo** (Co-operative Program) \*

**Lin, Siyang** (Co-operative Program)

**Lopes, Adam Antonio** (Co-operative Program) †

## HONOURS BIOTECHNOLOGY/ ECONOMICS

**Castell, Chloe** (Co-operative Program)

**Desai, Shanali** (Bioinformatics Option – Co-operative Program)

**Li, Zhuo Ran** (Co-operative Program) †

**Mcintosh, Curtis Joseph** (Co-operative Program) \*

**Stanfield, William Sörra** (Co-operative Program) \*

## HONOURS SCIENCE

**Abate, Sara** (Earth Sciences Minor, Geography and Environmental Management Minor)

**Adlam, Emily Laura** (Biology Minor)

**Adtani, Faizaan Salim** (Bioinformatics Option – Computing Minor)

**Alhamad, Reema** (Human Nutrition Minor)

**Al-Hendi, Lubaba** (Biology Minor, Psychology Minor) †

**Ali, Razan Amir Kamal** (Biology Minor)

**Almasri, Rulana Maen** (Biology Minor, Psychology Minor)

**Alsamman, Zaid** (Biology Minor)

**Ariyaratne, Mahima** (Biology Minor) \*

**Baker Lehnen, Ella Skye** \*

**Baptiste, Spencer Adam** †

**Bariana, Jugad Kaur** (Biology Minor, Gerontology Minor) †

**Basilla, Dan Christian Navidad** (Medical Physiology Minor) \*

**Bisla, Juvraj Singh** †

**Bruce, Cassidy Ann** (Medical Physiology Minor) \*

**Buggeln, Nathan Webster** (Biology Minor)

**Bui, Quinlynn** \*

**Cai, Xuetong** (Biology Minor)

**Cesta, Sophia Marie** (Biology Minor)

**Chan, Felicia Y** (Biology Minor)

**Chandrakumar, Enzi Raphael** (Biology Minor) \*

**Chauhan, Arshia** (Biology Minor) †

**Cheema, Gurleen Kaur** (Biology Minor) †

**Chen, Winson**

**Chen, Yvonne** (Biology Minor) \*

**Cho, Yelin** (Biology Minor)

**Coelho, Alyssa Victoria** (Chemistry Minor, Biology Minor) \*

**Coletta, Genna** (Biology Minor) †

\* – Distinction  
† – Dean's Honours

**Cooke, Sabrina Marie-Diana** (Chemistry Minor)

**Coull, Amelia Kathleen Chelsea Lynn** (Biology Minor, Earth Sciences Minor)

**Darjazini, Dana** (Medical Physiology Minor)

**Dhar, Vitasta** (Medical Physiology Minor)

**Doering, Madelynn Victoria Catherine** (Chemistry Minor, Physics Minor, Psychology Minor)

**Drone, Jamie Anne** (Physics Minor) \*

**Dusowoth, Karishma** (Biology Minor) †

**Eltohami, Mohamed**

**Fatima, Rabia** (Psychology Minor)

**Fecteau, Bridget Hannah** (Biology Minor) †

**Francis, Taylor Diane** (Biology Minor)

**Gallichan, Hannah Irene** (Biology Minor)

**Gerger, Kirsten Marie** (Biology Minor)

**Gonzales, Gwyneth Nicole Licudine** (Biology Minor, Management Studies Minor)

**Grant Ritchie, Aiden River** (Biology Minor) \*

**Hasiba, Noor** (Biology Minor) \*

**Hergott, Tyson William**

**Hovey, Rachael Elyse** (Psychology Minor, Biology Minor, Environment, Resources and Sustainability Minor)

**Hu, Jing Yi**

**Iacono, Kathryn Mary-Jo** (Medical Physiology Minor)

**Jalili, Khashaiar** (Biology Minor)

**Jhin, Joshua Seok-Hyun** (Biology Minor)

**Jo, Hamin** †

**Johannsen, Sydney Lauren** (Biology Minor) †

**Kayilaasan, Sivamrutha** (Biology Minor) †

**Khalid, Eisha** †

**Khalil, Tamara** (Biology Minor, Psychology Minor) \*

**Kiflai, Mery Goitom** \*

**Kim, Sangki** (Biology Minor, Computing Minor)

**Kuntze, Melanie Marie Clara** (Biology Minor)

**Labib, Youssef**

**Lacbao, Marla Janeah** (Biology Minor)

**Lawani, Shantel Emade** (Biology Minor) \*

**Lee, Kathryn Suh Hyun** (Biology Minor) †

**Lee, Nolan Robert Stanley** (Biology Minor) †

**Leung, Alison Ai Kay** (Biology Minor)

**Li, Michelle** (Biology Minor) \*

**Li, Ran Tong** (Biology Minor) †

**Lim, David Jedidiah** (Medical Physiology Minor) \*

**Liu, Chang** (Chemistry Minor)

**Liu, Jason Jiaxiang** (Biology Minor) \*

**Lott, Emily Kathleen** (Biology Minor) \*

**Ly, Emily** (Biology Minor)

**Mahida, Hetvi Minesh Kumar** (Biology Minor) †

**Manohar, Amruta** (Biology Minor) †

**Manoharan, Joel Chrisanth**

**Marshall-Harris, Ethan Spencer** (Computing Minor) \*

**Mbobi, Aimé Christ** (Geography and Environmental Management Minor)

**Mian, Nabeeha Mohsan**

**Myc, Alexandra Helena** (Medical Physiology Minor) \*

**Najeeb, Iqra** (Biochemistry Minor)

**Nguyen, Mary Tu Nhu** (Biology Minor) †

**Noronha, Leann**

**Olsen, Avah Marie** (Biology Minor, Human Nutrition Minor) \*

**Patel, Ananya** (Medical Physiology Minor, Psychology Minor)

**Patel, Dev Amit** (Biology Minor) †

**Patel, Divya**

**Patel, Riya** (Biology Minor)

**Patel, Sanjana Manish** (Biology Minor) \*

**Patel, Vaishvik Amrish** (Biology Minor) \*

**Piit, Kaitlyn Michelle** (Chemistry Minor, Psychology Minor) †

**Poon, Arianna Beryl** (Biology Minor, Chemistry Minor)

**Proskos, Elessa Paraskevi** (Medical Physiology Minor)

**Quagliotto, Massimo Anthony**

**Rai, Komalpreet**

**Randhawa, Karanvir Singh** (Biology Minor, Psychology Minor)

**Rashi, Rashi** (Biology Minor)

**Rashid-Mohamed, Samena** (Medical Physiology Minor, Biology Minor)

**Roesler, Kyle Dante** (Biology Minor)

**Rule, Madeline Grace** (Biology Minor)

**Salazar, Andrea Carolina** (Biology Minor)

**Saran, Khushvir Kaur**

**Shaban, Kiana** (Bioinformatics Option – Biology Minor, Psychology Minor) †

**Shah, Hetvi Dipen** (Biochemistry Minor)

**Shaikh, Zakiya** (Biology Minor) \*

**Sharma, Manav** (Physics Minor)

**Sharma, Tanaya** (Biology Minor) \*

**Shaw, Breelle Julianne** (Biology Minor, Social Development Studies Minor)

**Singh, Maya Isabelle Desloges**

**Sinik, Alexandra** (Psychology Minor) †

**Sivasaenthan, Sathana** (Biology Minor)

**So, Chloe Robyn Wing-Yan** (Bioinformatics Option)

**Stavropoulos, Alexander** (Biology Minor) †

**Steinberg, Jordan Jeremy** (Biology Minor)

**Stolee, Hannah Michelle Zaza** (Chemistry Minor, Biology Minor, English Language and Literature Minor) †

**Su, Lisa**

**Tan, Stephen** (Earth Sciences Minor)

**Tang, Rachel Ying Chin** (Biology Minor) †

**Tang, Yuxi** (Chemistry Minor) \*

**Tewari, Aishani** (Biology Minor)

**Tsang, Vivian** (Biology Minor, Psychology Minor)

**Tsao, Sophie Mei** (Chemistry Minor, Biology Minor)

**Urucu, Ahmet Ali**

**Vanzanten, Nadia Mary** (Environment, Resources and Sustainability Minor, Biology Minor) \*

**Varghese, Kaviya** (Biology Minor)

**Vithalbhai, Niraj Kumar** (Biology Minor)

**Vu, Kim Nguyen** (Biology Minor) \*

**Welch, Jordan Victoria** \*

**Wiens, Abigail Nicole** (Psychology Minor, Biology Minor)

**Wong, Samantha** (Biology Minor) †

**Wu, Junyi** (Biology Minor)

**Xiong, Tianheng** (Physics Minor) †

**Xu, Jinwen** (Chemistry Minor) \*

**Xu, Jinyi** (Chemistry Minor) \*

**Yan, Sarah Kathryn**

**Yang, Annie** (Biology Minor) †

**Yang, Jonathan Yu Xuan** (Biology Minor, Psychology Minor)

\* – Distinction

† – Dean's Honours

**Youn, Ena Elisabeth** (Bioinformatics Option – Biology Minor)  
**Yu, Frank** (Biology Minor)  
**Yu, Jiaying** (Biology Minor)  
**Yuen, Tsam Wai William**  
**Zarnke, Rachel** †  
**Zhang, Steven Bo** (Biology Minor) \*  
**Zheng, Ziyi** (Biology Minor) \*  
**Zou, Mengxi** (Physics Minor)

## HONOURS SCIENCE AND BUSINESS

**Aamir, Zoniya**  
**Abdallah, Hana** (Co-operative Program)  
**Al-Naser, Bassam** (Biotechnology)  
**Arawindan, Sabina** (Biotechnology – Economics Minor – Co-operative Program)  
**Balakanthan, Gasini** (Biology – Economics Minor – Co-operative Program)  
**Beattie, Lauren Elizabeth** (Biotechnology – Co-operative Program)  
**Campfens, Noel** (Co-operative Program)  
**Campos, Brittany Rose Nancy** (Co-operative Program)  
**Chhabra, Angad Kumar Singh** (Biology)  
**Chow, Julian Chung Yuen** (Co-operative Program)  
**Chudha, Preet Kaur** (Biotechnology – Co-operative Program) \*  
**Circosta, Samantha**  
**Collinson, Sara Jean** (Biology – Co-operative Program)  
**Dinh, Kieu Anh** (Biochemistry – Co-operative Program) \*  
**Duong, Derek Khang Thieu** (Co-operative Program)  
**Elzagheid, Ibrahim** (Biotechnology)  
**Franco, Noah Filippo** (Biology – Co-operative Program)  
**Fung, Yiu Ching** (Chemistry Minor – Co-operative Program)  
**Funston, Avery Lee** (Biology – Co-operative Program)  
**Gabriel, Sophia Lourdes** (Biotechnology – Co-operative Program) †  
**Gandolfi, Livia Jade Siobhán** (Co-operative Program)  
**Gibbon, Melissa Enid** \*

**Glauser, Taylor Bryce** (Co-operative Program)  
**He-Sun, Shirlyn** (Biology – Co-operative Program)  
**Ho, Jenny** (Biotechnology – Co-operative Program) \*  
**Hopkins, Nadine Alyse** (Co-operative Program) †  
**Hu, Yayuan** (Co-operative Program)  
**Imoru, Nicole Emike** (Bioinformatics Option – Chemistry Minor – Co-operative Program) \*  
**Jeyacumar, Wisenavi** (Biology Minor)  
**Kang, Qingya** (Co-operative Program)  
**Khalil, Omar Tamer** (Biotechnology)  
**Kotla, Ameya Reddy** (Earth Sciences Minor – Co-operative Program)  
**Leveille, Jakob** (Biotechnology – Co-operative Program)  
**Lim, Ariana Cassandra** (Biochemistry – Human Nutrition Minor – Co-operative Program) †  
**Liu, Kaiyi**  
**Mahoney, Patrick Alexander** (Chemistry – Economics Minor – Co-operative Program)  
**Marzouk, Salma** (Biology – Co-operative Program)  
**Molka, Monika** (Biochemistry – Economics Minor – Co-operative Program) \*  
**Motala, Sohail Iqbal** (Earth Sciences Minor) \*  
**Murch, Zachary Jeran** (Biotechnology – Co-operative Program)  
**Nguyen, An Tuong Le** (Biotechnology – Co-operative Program)  
**Oh, Min Jeong Jeong** (Biotechnology) \*  
**Ong, Janie Denae Chua** (Co-operative Program) †  
**Patel, Urvi** (Biotechnology – Co-operative Program) †  
**Piperakis, Ariadne Rhea** (Biology – Technical Writing Minor, Earth Sciences Minor – Co-operative Program) †  
**Popowich, Victoria** (Biochemistry – Co-operative Program) †  
**Premkumar, Tharinee** (Co-operative Program) \*  
**Rajathevan, Shagitha** (Economics Minor – Co-operative Program)  
**Raveendran, Aathani** (Co-operative Program) \*

**Ruhland, Abigail Kay** (Biotechnology – Co-operative Program) \*  
**Sampaio, Alexandre Miguel** (Biotechnology – Co-operative Program) \*  
**Shanmugarajaih, Ajeeta** (Co-operative Program) \*  
**Shum, Monica Ying Jee** (Economics Minor – Co-operative Program) \*  
**Suresh, Amy** (Co-operative Program)  
**Surubariu, Lilyana** (Co-operative Program) †  
**Uebele, Benjamin Richards Louis** (Co-operative Program)  
**Visca, Thomas Dais** (Biochemistry)  
**Vu, Eric Hoang Thanh** (Earth Sciences Minor – Co-operative Program)  
**Vuong, Jefferson**  
**Yin, David Z** (Biotechnology – Co-operative Program)  
**Zafar, Umae Habiba** (Biotechnology – Co-operative Program)  
**Zhang, Zhan**

---

## DOCTOR OF OPTOMETRY

Abou-Zidan, Amru \*  
 Albano, Nadia †  
 Antonyrajani, Judit Gaushiga †  
 Araich, Onkarpreet †  
 Atallah, Anthony Michael \*  
 Berry, Ashley Nicole †  
 Binotto, Felicia Stefanie †  
 Birring, Gundeep Singh \*  
 Campbell, Sean Kerss †  
 Chan, Samantha Lok-Tung †  
 Chen, William \*  
 Chung, Wincy Pui San \*  
 Cooper, Alycia Maribeth †  
 Dang, Kevin \*  
 De Luca, Melissa Marie †  
 Dickson, Rylie Michelle †  
 DiMarco, Cara Leigh Madison †  
 Do, Selena Thuy Chi †  
 Dobbie, Aisa Kyra †  
 D'Silva, Benedict Leroy †  
 Espinosa, Luis Fernando †  
 Fan, Si Duo †  
 Fortney, Erin Leigh †  
 Gill, Hardeep Kaur †  
 Gill, Tarndeeep Singh  
 Goodmanson, Sheriden Maria †  
 Gu, Amy Yamei †  
 Hu, Raymond \*  
 Hughes, Shannon Alexandra \*  
 Irfan, Arooj †  
 Jafarramzi, Roxana \*  
 Jamal, Victoria Ashley †  
 Jaswal, Deepak Kumar \*  
 Jin, Xiao \*

\* – Distinction  
 † – Dean's Honours

Jin, Ying †  
Jose, Kathrisha Coleene \*  
Kayali, Mohammed \*  
Klein, Sarah Marie \*  
Krishnaratnam, Kasthuri \*  
Kundzicz, John Christopher \*  
Lant, Emily Marie †  
Latalisa, Ivana †  
Lau, Brittany Wing Yin \*  
Lau, Christy Ying-Tung †  
Leung, Melanie Gee Ting \*  
Levman, Aviva Rebecca \*  
Li, Sally †  
Li, Zi Yi †  
Liang, Yunpeng †  
Macnab, Brynton Cole †  
Manzar, Maryam †  
Mao, Sumeya †  
Marno, Laura †  
McCullough, Alyssa Dawn †  
McLellan, Erin Elizabeth †  
Milosevski, Natali \*  
Mistry, Bhaveshkumar Mahesh †  
Mohamed Adem, Abubakar †  
Muller, Matthew \*  
Nah, James H \*  
Nanda, Kanica †  
Ng, Sean Kok-Wing †  
Noronha, Leeann \*  
Ollier, David Matthew †  
Patel, Dhruvi †  
Patel, Divya \*  
Phan, Bella Phuong Thanh \*  
Pilarski, Kaitlin Elizabeth †  
Poon, Caitlyn Julianna †  
Procurier, Chantelle Elizabeth †  
Ragu, Paraniharan \*  
Riaz, Mehak †  
Rozbacher, Alexander  
Runte, Erin Danielle †  
Sandhu, Tanvir Singh †  
Saran, Khushvir Kaur †  
Schlachter, Alison Jill †  
Selimos, Zoe †  
Srinivasan, Krishna †  
Sy, Sophia Audrey Young  
Symington, Courtney †  
Thai, Danny  
Timmerman, Shayna Clarissa †  
Toameh, Lana \*  
Tu, Yi Xin †  
Uzuana, Chikodi Uchechukwu †  
Valecha, Akshu \*  
Vander Burg, Dylan William \*  
Whidden, Kelsey \*  
Wong, Janice Pui Sze \*  
Wong, Joyce Lok Yan †  
Xu, Hellen Hai Yuan †  
Yan, Sarah Kathryn \*  
Young, Keefe Reamonn †  
Zienchuk, Thomas Andrew

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## DOCTOR OF PHARMACY

### CO-OPERATIVE PROGRAM

Labib, Youssef \*

---

## DIPLOMA IN CHINESE LANGUAGE I

Bradley, Jessica Leilani

---

## DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION

Hallman, Dana Elizabeth Barbara  
Hovey, Rachael Elyse

---

## DIPLOMA IN ENVIRONMENTAL ASSESSMENT

Coull, Amelia Kathleen Chelsea Lynn  
Hallman, Dana Elizabeth Barbara

---

## DIPLOMA IN FRENCH LANGUAGE I

Serrone, Chiara Kehmoa

---

## DIPLOMA IN FRENCH LANGUAGE II

Kaur, Guneeta  
Marzouk, Salma  
Poon, Arianna Beryl  
Roy, Emmanuelle  
Sarin, Tanya

---

## DIPLOMA IN GERONTOLOGY

Cheung, Shirley Wai-Yan

---

## DIPLOMA IN HEALTH HUMANITIES

Beavers, Avery Jesse

---

## DIPLOMA IN JAPANESE LANGUAGE I

Bradley, Jessica Leilani  
Sakamoto, Eric Robert  
Zhang, Qingchen

---

## DIPLOMA IN KOREAN LANGUAGE I

Li, Ran Tong  
Youn, Ena Elisabeth

---

## DIPLOMA IN SPANISH LANGUAGE I

Al-Jaf, Rose  
Rodrigues, Angelica Seleena

---

## DIPLOMA IN SUSTAINABILITY

Covaci, Aleck Gabriel  
Jivraj, Saaliha  
Leggett, Christian Joseph  
Patel, Ananya  
Poon, Arianna Beryl

---

## DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS

Abate, Sara

---

## CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

Chhabra, Prakriti  
Hardy, Sarah Kathryn  
Kostadinovic, Ema  
Perry, Cailyn Marie  
Wu, Meng-Yun

---

## CERTIFICATE IN EXPERIENTIAL EDUCATION

Alidina, Natasha  
Cooke, Sabrina Marie-Diana  
Emmanuel, Stephany Ewomazino  
Jeyacumar, Wisenavi  
Khalil, Tamara  
Lee, Kyeongseon  
Muhammad, Roha  
Nguyen, Phuc Huy  
Palmieri, Nicholas Frank  
Poon, Arianna Beryl  
Rashid-Mohamed, Samena  
Vellalaghan, Aswini  
Youn, Ena Elisabeth  
Zakout, Lina

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## CERTIFICATE IN GLOBAL EXPERIENCE

Youn, Ena Elisabeth

\* – Distinction

† – Dean's Honours



# AFTERNOON CEREMONY

Degrees and diplomas from:  
**UNIVERSITY OF WATERLOO**  
**FACULTY OF SCIENCE**



# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Abajian, Jacob Mason** (Physics)

“Correlation Functions of Heavy Operators in AdS/CFT”

**Anderson, Paul** (Physics - Quantum Information)

“Creating and Probing Laser-Cooled Atomic Ensembles Inside a Hollow-Core Optical Fibre”

**Beale, Stefanie** (Physics - Quantum Information)

“Modeling and Managing Noise in Quantum Error Correction”

**Bergeron, Emma** (Physics - Quantum Information)

“Development of III-V Semiconductor Surface Quantum Wells for Hybrid Superconducting Device Applications”

**Cameron, Andrew Robert** (Physics - Quantum Information)

“Measuring Quantum Correlations of Polarization, Spatial Mode, and Energy-Time Entangled Photon Pairs”

**Cayuso, Ramiro** (Physics)

“Black Hole Dynamics in Effective Field Theory Extensions to General Relativity”

**Chapman, Michael James** (Physics)

“Optimizing Small-Scale Redshift Space Distortion Measurements in eBOSS for Cosmological Inference”

**Cockton, Nicholas Aaron** (Physics)

“Magnetotransport Experiments in GaAs 2D Holes and RF-QPC Readout in a Lateral Quantum Dot Device”

**Edwards, Matthew** (Chemistry)

“Development and Application of a Consumable-Free Modulator for Comprehensive Two-Dimensional Gas Chromatography”

**Fraser, Thomas Coolican** (Physics)

“An Estimation Theoretic Approach to Quantum Realizability Problems”

**Gao, Wenyu** (Chemistry - Nanotechnology)

“Low-Dimensional Nanostructured Catalysts of Copper Oxides and Nickel Oxides Supported on Graphene and their Applications in Biosensing and Photoelectrochemical Hydrogen Evolution”

**Guan, Xiaoyi** (Chemistry - Nanotechnology)

“Size-Specific  $ZrO_2$  and  $Hf_xZr_{1-x}O_2$  Nanoclusters and Their Magnetic and Nanodevice Applications”

**Henderson, Melissa Elizabeth**

(Physics - Quantum Information)  
“Neutron Scattering Investigations of Three-Dimensional Topological States”

**Hollinger, Amber May** (Physics)

“Assessing the Accuracy of Cosmological Parameters Estimated from Velocity -- Density Comparisons”

**Homrich, Alexandre** (Physics)

“Bootstrapping Quantum Field Theories”

**Hong, Tong** (Earth Sciences)

“Evolution of Multi-Arc Accretion Systems: A Case from the Southern Beishan Orogen, Central Asian Orogenic Belt, NW China”

**Jiang, Runshan Will** (Chemistry)

“Development and Biomedical Applications of Solid Phase Micro-Extraction (bio-SPME) Chemical Biopsy Devices”

**Li, Chang** (Chemistry)

“Advanced Electrolyte Design for Long-Life and High-Areal-Capacity Divalent Metal Batteries”

**Liu, Kai** (Earth Sciences)

“Use of Fe Isotopes to Examine Fe Cycling in Boreal Shield Lakes: Implications for Cyanobacterial Bloom Development and Ancient Biogeochemical Cycling”

**Lott, Tyler** (Chemistry - Nanotechnology)

“Controlled Nanometer Liquid Layer Thicknesses for the Study of Nanomaterials and Biospecimens in Liquid-Cell Transmission Electron Microscopy”

**Mei, Nanqin** (Physics - Nanotechnology)

“The Role of Melatonin in Amyloid Interactions with the Model Neuronal Membranes”

**Menezes, Luke T** (Chemistry)

“Investigation of Crystal Structures and Ultra-Low Thermal Conductivities in Novel Group 14 and 15 Chalcogenides”

**Motlakunta, Sainath** (Physics - Quantum Information)

“Developing a Large-Scale, Programmable Trapped Ion Quantum Simulator with In Situ Mid-Circuit Measurement and Reset”

**Patel, Sanjay Rajnikant** (Chemistry)

“Pyrene Excimer Formation: A Tool to Study Macromolecular Conformations in Solution”

**Sadeghi Isfahani, Amir Hosein** (Physics)

“Computational Modeling of Bacterial Chromosome Organization: Macromolecular Crowding, Chain Heterogeneity, and Chain Cross-Linking”

**Shih, Chung-You** (Physics - Quantum Information)

“Programmable Individual Addressing and Floquet Hamiltonian Dynamics in a Trapped Ion Quantum Processor”

**Tian, Kaili** (Physics)

“Imaging Molecular Structures with Femtosecond Laser Pulses: Experimental Apparatus Development and Computational Geometry Reconstruction”

**Zhou, Bowen** (Earth Sciences - Water)

“Modelling Effects of Stormwater Best Management Practices on Urban Stormwater Runoff Phosphorus”

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## MASTER OF SCIENCE

**Adam, Zachary Victor** (Earth Sciences)

**Aezami, Samira** (Chemistry)

**Agau, Majak John** (Earth Sciences)

**Aharony, Itamar** (Physics)

**Ayyash, Mohammad Mutaz** (Physics - Quantum Information)

**Chen, Keyu** (Physics)

**Chen, Kuan** (Earth Sciences)

**Cunard, Brady Llewellyn Stanley** (Physics - Quantum Information)

**Dakin, Brampton Jack** (Earth Sciences - Water)

**De Luna, Jedri** (Physics)

**Edward, Adit Harin** (Physics)

**Gagnon, Sophie Marie** (Earth Sciences)

**Gopalakrishnan, Sriram** (Physics)

**Imani, Ehsan** (Physics)

**Jin, Zhiyu** (Physics)

**Johnstun, Scott Ryan** (Physics - Quantum Information)

**Kappheim, Benjamin Jacob** (Chemistry)  
**Laketa, Samuel Slavko** (Physics)  
**Liu, Xinran** (Chemistry)  
**Marton, Victor John** (Physics - Quantum Information)  
**Naeem, Manar** (Physics - Quantum Information)  
**Padia, Parth** (Physics - Quantum Information)  
**Qadeer, Laiba** (Chemistry)  
**Schreiner, Gregory James** (Physics)  
**Shahvaran, Ali Reza** (Earth Sciences - Water)  
**Shao, Qinghao** (Chemistry)  
**Song, Mohan** (Earth Sciences - Water)  
**Song, Nan** (Chemistry)  
**Starzynski, Hannah Lucy** (Earth Sciences)  
**Tan, XingHe** (Physics - Quantum Information)  
**Taves, Robin** (Earth Sciences)  
**Taylor, Caroline Emily** (Earth Sciences)  
**Wentland, Maeve Kathryn Marentette** (Physics - Quantum Information)  
**Ye, Jane Xu Jing** (Earth Sciences)  
**Zhang, Jixi** (Chemistry)  
**Zhu, Jingwen** (Physics - Quantum Information)  
**Zorn, Scott** (Chemistry)

---

## **GRADUATE CERTIFICATE**

**Majidy, Shayan** (University Teaching)  
**Sadeghi Isfahani, Amir Hosein** (University Teaching)

# Undergraduate Degrees

## BACHELOR OF SCIENCE

### HONOURS BIOCHEMISTRY

**Ameen, Aaisha** (Co-operative Program) \*

**Belleau, Talia L** (Co-operative Program) †

**Boulanger, Mason** (Co-operative Program) \*

**Che, Geoffrey** (Co-operative Program) †

**Chua-Alamag, Alexis Rei** (Co-operative Program)

**Dang, An Thien** (Co-operative Program) †

**Dang, Erica** (Biotechnology Specialization)

**Dickson, Rachel Anne**

**Emmanuel, Benjamin Gregory** (Co-operative Program) \*

**Fortier, Tess Mary** (Co-operative Program) \*

**Katai, Agnes Britte** (Biotechnology Specialization – Co-operative Program) \*

**Kecman, Milica** (Co-operative Program)

**Khan, Shehreen Hussain** (Co-operative Program) †

**Kobes, Samantha Raven** (Bioinformatics Option – Co-operative Program) \*

**Lee, Luo Yin** (Co-operative Program) \*

**Licskai, Tristan Avery** (Co-operative Program)

**Lockley, Miranda Emilie Nichole** (Co-operative Program)

**Matsumiya Garcia, Eduardo**

**McCaughey, Reilly William** (Co-operative Program) †

**Nguyen, Nathan Minh** (Co-operative Program)

**Nie, Yuanheng**

**Rahaman, Raisha** (Biotechnology Specialization – Co-operative Program) \*

**Rajah, Maran** (Bioinformatics Option)

**Singh, Saanchi** (Co-operative Program) \*

**Tarazona Baquero, Laura Alejandra**

**Terra, Julia Dornas** (Co-operative Program)

**Todd, Isabella Jade**

**Tu, Olivia** (Bioinformatics Option)

**Yazdani, Shauhin** (Bioinformatics Option – Co-operative Program)

**Zhang, Meixin** (Co-operative Program) \*

### HONOURS BIOLOGICAL AND MEDICAL PHYSICS

**Al Haj Ali, Joudi Mohammad Khier**

### HONOURS CHEMISTRY

**Barber-Ormerod, Katharine Mary Dawn** (Co-operative Program)

**Bi, Ye** \*

**Carty, Adam Thomas**

**Choi, Audrey Jasmine** (Co-operative Program)

**Dong, Yifan** †

**D'Souza, Jady Abigail** (Co-operative Program)

**Gallant, Noah Brian Louis** (Co-operative Program) \*

**Grobe, Dion James** (Co-operative Program) †

**Gutierrez, Renzo Louis** (Computational Specialization – Co-operative Program) †

**Han, Taewon** \*

**He, Zhengyi**

**Lee, Madison Emma** (Co-operative Program) \*

**Li, Ruiqi** †

**Lins, Hunter Stephan Torsten** (Co-operative Program)

**Liu, Yujie** \*

**Lui, Nathania Yu Yan** (Psychology Minor – Co-operative Program)

**MacKenzie, Benjamin Perry** (Computational Specialization – Co-operative Program) \*

**Maenpaa, Ryan Patrick** (Co-operative Program)

**Mahmood, Abdallah** (Computational Specialization)

**Nazarali, Jasmin Zahra** (Co-operative Program) †

**Petros, Eliita Yared**

**Pharaon, Sarah**

**Schuler, Jackson Cade**

(Mathematics Minor – Co-operative Program) \*

**Sirin, Alexander Vahram** (Co-operative Program)

**Song, Mingqing** \*

**Srirajah, Saruba** (Biochemistry Minor) †

**Zhang, Hanbo**

**Zhang, Ziyu** †

**Zheng, Jiajie** \*

### HONOURS EARTH SCIENCES

**Ali, Robert** (Geology Specialization)

**Cho, Eliot WookHyun** (Geology Specialization – Computing Minor)

**Czarniecki, Crystal Jade** (Geology Specialization – Co-operative Program) †

**Dudziak, Daniel David** (Geophysics Specialization – Psychology Minor)

**Galaszkiwicz, Aden Edward** (Geology Specialization – Co-operative Program)

**Jaszczur, Alexander James** (Geology Specialization – Co-operative Program) \*

**Karkera, Anisha** (Hydrogeology Specialization – Co-operative Program) \*

**Little, Holden Michael** (Geology Specialization – Co-operative Program) †

**McGill, Elizabeth Margaret Terese** (Geology Specialization – Co-operative Program)

**McTavish, Ethan Crawford** (Hydrogeology Specialization – Co-operative Program) \*

**Motyka, Nicole** (Geology Specialization – Co-operative Program)

**Ninkovic, Luka** (Hydrogeology Specialization)

**Papaioannou, Haralambos Aidan** (Hydrogeology Specialization)

**Seong, Munjeong** (Hydrogeology Specialization – Co-operative Program)

**Soos, Adam Joesph** (Hydrogeology Specialization)

**Syed Ali, Shamrez** (Geology Specialization)

\* – Distinction

† – Dean's Honours

**Visram, Akila Karim** (Hydrogeology Specialization – Co-operative Program)

**Yang, Tianqi** (Hydrogeology Specialization)

**Zhang, Richard De** (Hydrogeology Specialization – Co-operative Program)

**Zheng, Haoran** (Hydrogeology Specialization)

**Zhong, Sheng** (Hydrogeology Specialization)

## HONOURS ENVIRONMENTAL SCIENCES

**Cao, Xinyu** (Water Science Specialization) †

**Edwards, Savannah** (Ecology) †

**Erdelsky, Matthew Peter** (Water Science Specialization – Co-operative Program)

**Fan, Shaochen** (Water Science Specialization)

**Fang, Lydia Yeqing** (Water Science Specialization – Geography and Environmental Management Minor – Co-operative Program) †

**Ferns, Ashley Charlene** (Ecology – Legal Studies Minor – Co-operative Program) †

**Fox, Mcarthur Clayton Patrick** (Ecology) \*

**Fu, Zhen** (Water Science Specialization)

**Guo, Tammy** (Water Science Specialization – Co-operative Program) †

**He, Bowen** (Water Science Specialization)

**He, Haoran** (Water Science Specialization) \*

**He, Xiuyuan** (Water Science Specialization)

**Heeg, Alana Sybreen** (Water Science Specialization – Co-operative Program)

**Hoard, Lisa** (Ecology – Co-operative Program) \*

**Hu, Mingrui** (Water Science Specialization) †

**Ku, Yanbang** (Water Science Specialization)

**Li, Hao** (Water Science Specialization)

**Li, He** (Water Science Specialization)

**Li, Jordan Jin Hua** (Water Science Specialization – Co-operative Program) \*

**Li, Junjie** (Water Science Specialization)

**Li, Xiang** (Water Science Specialization) †

**Liang, Zhanhao** (Water Science Specialization)

**Ling, Yiqin** (Water Science Specialization)

**Liu, Boyan** (Water Science Specialization)

**Liu, Jinzhao** (Water Science Specialization)

**Liu, Yuandong** (Water Science Specialization)

**Liu, Zikun** (Water Science Specialization)

**Ma, Yangjun** (Water Science Specialization)

**Ma, Yue** (Water Science Specialization)

**Macgillivray, Madison Jamie** (Geoscience Specialization – Co-operative Program)

**Mavin, Mitchell Jonathan** (Geoscience Specialization)

**McDuff, Sara Diane Marie** (Geoscience Specialization)

**Mohamad Ahmed Obied, Olla** (Geoscience Specialization – Co-operative Program)

**Ng, Chloe** (Ecology – Parks Minor – Co-operative Program)

**Noblecilla, Nicolas** (Ecology – Co-operative Program) \*

**Pang, Xueyan** (Water Science Specialization)

**Qian, Junbiao** (Water Science Specialization)

**Schofield, Luke Stephen** (Water Science Specialization – Co-operative Program) †

**Shao, Bowen** (Water Science Specialization)

**Soulliere, Ryan Quinn** (Ecology) \*

**Swart, Madeline Thea** (Water Science Specialization – English Language and Literature Minor – Co-operative Program) †

**Tian, Sitong** (Water Science Specialization)

**Tian, Xinlu** (Water Science Specialization) \*

**Tian, Zhifei** (Water Science Specialization)

**Van Goethem, Kirsten Elisabeth** (Ecology – Co-operative Program) \*

**Wan, Xizhe** (Water Science Specialization) †

**Wang, Guanpeng** (Water Science Specialization)

**Wang, Haoyu** (Geoscience Specialization) \*

**Wang, Tianda** (Water Science Specialization)

**Wang, Yuechen** (Water Science Specialization)

**Wei, Zeyao** (Water Science Specialization)

**Wu, Mengze** (Water Science Specialization) \*

**Xia, Zehua** (Water Science Specialization) †

**Xu, Yinfeng** (Water Science Specialization)

**Yang, Guowei** (Water Science Specialization) \*

**Yang, Guowei** (Water Science Specialization)

**Yang, Xutong** (Water Science Specialization)

**Yang, Zhao** (Water Science Specialization)

**Yao, Xueshi** (Geoscience Specialization)

**Yi, Fenghao** (Water Science Specialization) †

**Yu, Justin** (Ecology – Geography and Environmental Management Minor – Co-operative Program) \*

**Yu, Lisa May** (Water Science Specialization – Co-operative Program) †

**Yu, Rui** (Water Science Specialization) †

**Yu, Zijun** (Water Science Specialization)

**Yuan, Yifei** (Water Science Specialization) †

**Zhang, Huidong** (Water Science Specialization)

**Zhang, Jiashu** (Water Science Specialization)

**Zhang, Xingyu** (Water Science Specialization)

**Zhang, Yuxiao** (Water Science Specialization)

**Zhou, Zijun Lisa** (Water Science Specialization – Co-operative Program)

**Zhu, Wenlong** (Water Science Specialization)

**Zu, Chengyi** (Water Science Specialization) \*

\* – Distinction

† – Dean's Honours

## HONOURS LIFE PHYSICS

**Anthony, Kevin Alexander** (Digital Arts Communication Minor – Co-operative Program) †

**Little, Victoria Holly** (Medical Physics Specialization – Co-operative Program)

**McKenna, Catherine Brianna** (Medical Physics Specialization – Co-operative Program)

**Moluchi, Olivia Murphy** (Medical Physics Specialization – Communication Studies Minor – Co-operative Program)

**Tandon, Sunandan** (Biophysics Specialization – Astrophysics Minor)

**Wilk, Karina Rae** (Medical Physics Specialization – Co-operative Program) †

## HONOURS MATERIALS AND NANOSCIENCES

**Adams, Declan Sinclair** (Mathematics Minor) \*

**Alam, Ajwad Wasi** (Co-operative Program)

**Al-Nasery, Ranim**

**Cao, Yuntong**

**Chen, Hou Zhi** †

**Chen, Yifei**

**Chen, Yizhou** (Computing Minor) †

**Cheng, Yifei** \*

**Gan, Kang**

**Gao, Wentao**

**Gui, Jiayi** †

**Hu, Yuxin**

**Kong, Xiangyuan** \*

**Lan, Qizhen** †

**Li, Alexander** (Co-operative Program)

**Li, Bowen**

**Lin, Xiao**

**Liu, Teng**

**Liu, Yiheng** \*

**Ma, Ruishu** †

**Măntăilă, Dragoș Florin** (Co-operative Program) †

**Mao, Rongchuan** †

**McConville, Toby Finn** (Co-operative Program)

**Meng, Fanshi** (Computing Minor) †

**Niu, Tianyi**

**Parkyn, Colin Thomas Elliot** (Co-operative Program) \*

**Gu, Chang**

**Shan, Shiyan**

**Shang, Bowen** †

**Sheng, Mingrui**

**Sheng, Zhejia**

**Tan, Letian**

**Taylor, Alexander Keith** (Co-operative Program)

**Teng, Anda**

**Wang, Hanqi** †

**Wang, Lang** \*

**Wang, Tianshuo** (Computing Minor) \*

**Wang, Xiaoqin** †

**Wang, Yinghan** †

**Wu, Lei**

**Xie, Yuting** †

**Xu, Zhe** \*

**Yang, Shuwen**

**Yang, Zilan**

**Yu, Runyu**

**Yu, Shaoyi** (Materials and Nanosciences & Joint Honours Economics) †

**Zhang, Jiashuo** †

**Zhang, Yaozhong** \*

**Zhang, Zhijing** †

**Zhao, Haobo** \*

**Zhu, Yinghang**

## HONOURS MATHEMATICAL PHYSICS

**Bhavsar, Khush Hardik** (Astrophysics Minor – Co-operative Program) †

**Chakraborty, Ria** (Co-operative Program)

**Corkery, Jérémie Jacques Daniel** (Astrophysics Minor – Co-operative Program)

**Deighan, Jack Robert** (Co-operative Program)

**D’Silva, Joshua Carlos**

**Felefele, Kaleb Bereket** (Astrophysics Minor, Pure Mathematics Minor – Co-operative Program) \*

**Goel, Lakshay** (Astrophysics Minor – Co-operative Program) †

**Gülsayin, Özge**

**Hu, Weiye**

**Hutchison, Liam Kenneth** (Co-operative Program) †

**Minto, Aidan Faine Bryce** (Pure Mathematics Minor – Co-operative Program) †

**Morrison, Mitchel Lloyd-Paul** (Co-operative Program) †

**Okell, Addison Edward** (Pure Mathematics Minor – Co-operative Program) \*

**Parfett, Aidan Ian** (Co-operative Program)

**Patel, Mihir Chetankumar** (Astrophysics Minor – Co-operative Program) †

**Rock, Emily Mieke** (Astrophysics Minor – Co-operative Program) †

**Salehi, Ali**

**Sampaio, Cristiano Jose Franco** (Pure Mathematics Minor, Astrophysics Minor – Co-operative Program) \*

**Shi, Ruilin** (Co-operative Program)

**Spodek, Jonah Moshe** (Co-operative Program)

**Usmanov, Khurshid** (Astrophysics Minor, Pure Mathematics Minor – Co-operative Program) †

**Van Osch, Benjamin Gerard** (Pure Mathematics Minor – Co-operative Program) †

**Vass, Daniel Connor**

**Wang, Zhiyao** †

**Yang, Yuqi** (Biophysics Minor)

**Yin, Xitai** (Pure Mathematics Minor) \*

**Zwart, Benjamin Andrew** (Co-operative Program) \*

## HONOURS MEDICINAL CHEMISTRY

**Dang, Julie** (Co-operative Program) †

**Le, Quang Bao Thien** (Co-operative Program) †

**Le Boeuf, William Kenneth** (Co-operative Program) \*

**Nguyen, Quang Huy** (Co-operative Program) \*

**Ross, Emma Flynn Leith** (Co-operative Program)

## HONOURS PHYSICS

**Abdul Hadi, Mohammad** \*

**Barba Carvajal, Elian Sebastián**

**Bettio, Jonathan** (Economics Minor)

**Chieukam, Cedric Pimi** (Computing Minor – Co-operative Program)

**Chow, Evan Ru-Xiang** \*

**Domm, Michael Randall** (Co-operative Program)

**Gallop, Hannah Catherine** (Computing Minor – Co-operative Program) †

\* – Distinction

† – Dean’s Honours

**Huh, Byungchan** (Applied Physics Specialization – Co-operative Program)

**Huo, Mengqi**

**Irving, Jonathan Roland** (Mathematics Minor)

**Jones, Maximus Xavier Vincent** (Chemistry Minor) \*

**Kambulow, Jonathon Edward** (Computing Minor – Co-operative Program) †

**Mathew, Nishant** (Mathematics Minor)

**McFarlane, Eric Ethan** (Mathematics Minor) †

**Methot, Tyler Adam**

**Nasser, Jamiel Adan** (Co-operative Program) †

**Paluru, Kamalesh Reddy** (Co-operative Program)

**Popovic, Filip** (Computing Minor – Co-operative Program)

**Rong, Zihan**

**Ruza, Nicolas Ioan** (History Minor – Co-operative Program)

**Salami, Richard Oyeremi** (Philosophy Minor – Co-operative Program)

**Sheng, Yijie**

**Singh, Chitwan** (Mathematics Minor – Co-operative Program) \*

**Sipra, Omer Uzair** (Co-operative Program)

**Suo, Hang**

**Suszek, Karolina Hanna** (Co-operative Program) †

**Wang, Yi Xian** (Astrophysics Minor – Co-operative Program) \*

**Watts, Katelyn** (Astrophysics Minor – Co-operative Program) †

**Whitlock, Evan Nigel** (Computing Minor – Co-operative Program) †

**Yang, Ziyuan** \*

**Zhou, Yunmo** †

## HONOURS PHYSICS AND ASTRONOMY

**Ajmera, Kahan Prashant** (Co-operative Program)

**Arora, Karan Bir Singh** (Economics Minor – Co-operative Program) \*

**Borjas Hasbun, Maria Cara** (Co-operative Program) †

**Bourque, Megan Elise** †

**Burzevska, Marija**

**Cheng, Isaac Fabian Yuhei** (Co-operative Program) †

**Da Costa, Sophia Anne** (Mathematics Minor – Co-operative Program) †

**Devinyak, Sophia** (Co-operative Program) †

**Erickson, Annelies Diane** (Co-operative Program) \*

**Ferreira, Ashley** (Co-operative Program)

**Fogal, Andre Patrick** (Co-operative Program) †

**Frisella, Nicolas Lucian** (Co-operative Program) \*

**Girmenia, Anthony Corrado** (Co-operative Program) †

**Glasier, Jeffrey Liam Fredrick** (Biophysics Minor – Co-operative Program) †

**Grindall, Daniel Phillip** (Earth Sciences Minor – Co-operative Program) \*

**Harding, Thomas James** (Legal Studies Minor – Co-operative Program) \*

**Jess, Sierra Lea** (Co-operative Program) †

**Kim, Minsu**

**Koletic, Tamara Rose** (Co-operative Program) †

**Maharaj, Nalini Mala** (Co-operative Program) \*

**Maqsood, Muhammad Abdullah** (Co-operative Program)

**Momin, Sana Zikarali** (Computing Minor – Co-operative Program)

**Morin, Aleya Lynn Goldie** (Co-operative Program)

**Mozo, Francis Gerard** (Co-operative Program)

**Ndini, Darli** (Computing Minor – Co-operative Program) \*

**Oberlein, Ryan** (Computing Minor – Co-operative Program)

**Olalekan Koiki, Shafika Maryam** (Co-operative Program)

**Quartarone, Rebecca** (Co-operative Program) \*

**Ryan, Jillian Christine Elizabeth** (Co-operative Program)

**Sairam, Yashpranav Aela** (Computing Minor – Co-operative Program)

**Soward, Tatum Greer** (French Minor – Co-operative Program)

**Thompson, Patrick Dale** (Co-operative Program) \*

**Tidy, Danielle Susan** (Computing Minor)

**Vadsariya, Alish** (Mathematics Minor – Co-operative Program)

**Verheul, Ethan Adam**

**Wright, William Alexander** (Co-operative Program)

**Xayvongsa, Aaron Dennis** (Co-operative Program)

## HONOURS PSYCHOLOGY

**Al-Munajed, Wissam** (Biology Minor – Co-operative Program)

**Ansari, Afrah Helmi**

**Bhat, Roshni** (Biology Minor – Co-operative Program) †

**Boucher, Isabelle Anne** \*

**Burbano, Ariel Carolina** (Biology Minor – Co-operative Program)

**Burns, Emily Ann Herbst** (Addictions, Mental Health and Policy Minor, Biology Minor)

**Calibani, Sophia Rose** (Biology Minor) †

**Chan, Kendall Dyson** \*

**Chin-Quee, Connor Michael** (Biology Minor – Co-operative Program) †

**Cho, Terry SeungHyun** (Biology Minor – Co-operative Program) \*

**Choucroun, Ashley Sarah** (Biology Minor) †

**Chow, Zihong** (Biology Minor – Co-operative Program) †

**Gavali, Anushka Rajesh** (Co-operative Program) †

**Hamann, Abigail Susana** (English Language and Literature Minor – Co-operative Program) \*

**He, Francis** (Computing Minor – Co-operative Program) \*

**Kennes, Montana Elizabeth Magdalene**

**Kim, Terryn** (Biology Minor – Co-operative Program) \*

**Kramer, Spencer William James** (Biology Minor – Co-operative Program) \*

**Kurian, Emma** (Chemistry Minor) \*

**Lepp Burroughs, Marissa Breanne** (Biology Minor) \*

**Ljubic, Ana** \*

**Mahenthiran, Thuvaraka** (Biology Minor – Co-operative Program) \*

**McAffer, Sydney Alexandra Mariuz** (Biology Minor, Cognitive Science Minor – Co-operative Program) \*

**Monk, Kelly Sreng** (Biology Minor – Co-operative Program) \*

\* – Distinction

† – Dean's Honours

**Thaker, Baanshi Utpal**  
(Co-operative Program) \*

**Xinxo, Aimee** (Biology Minor) \*

**Xiong, Ke Meng** (Biology Minor –  
Co-operative Program) †

**Yang, Grace** (Cognitive Science  
Minor, Biology Minor – Co-operative  
Program)

**Yuen, Tsz Ting** (Biology Minor –  
Co-operative Program) \*

## **HONOURS SCIENCE AND AVIATION**

**Coates, Ethan Joshua** (Earth  
Science Specialization) \*

**Guentner, Jared Erwin** \*

**Hong, Jinsung**

**Nguyen, Phillip** \*

**Taylor, Zachary Sangphol** (Earth  
Sciences Minor)

**Wijeweera, Nigel Ravinash** (Biology  
Minor)

**Wilson, Marcus Wei-En** (Physics  
Minor, Astrophysics Minor) †

**Yong, Selina Jia-hui** (Earth Sciences  
Minor) †

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## **DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION**

Edwards, Savannah

---

## **DIPLOMA IN ENVIRONMENTAL ASSESSMENT**

Mohamad Ahmed Obied, Olla

---

## **DIPLOMA IN FRENCH LANGUAGE II**

Gallant, Noah Brian Louis  
Nguyen, Phillip

---

## **DIPLOMA IN ITALIAN LANGUAGE**

Girmania, Anthony Corrado

---

## **DIPLOMA IN JAPANESE LANGUAGE I**

Anthony, Kevin Alexander  
McFarlane, Eric Ethan  
Olalekan Koiki, Shafika Maryam

---

## **DIPLOMA IN SUSTAINABILITY**

Hoard, Lisa  
Ng, Chloe  
Yu, Lisa May  
Zhou, Zijun Lisa

---

## **DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS**

Fang, Lydia Yeqing

---

## **CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH**

Cheng, Isaac Fabian Yuhei

Da Costa, Sophia Anne

Devinyak, Sophia

Ferns, Ashley Charlene

Girmania, Anthony Corrado

Jess, Sierra Lea

Kim, Terryn

Li, Jordan Jin Hua

Lockley, Miranda Emilie Nichole

Morrison, Mitchel Lloyd-Paul

Nasser, Jamiel Adan

Nguyen, Nathan Minh

Sairam, Yashpranav Aela

Schuler, Jackson Cade

---

## **CERTIFICATE IN EXPERIENTIAL EDUCATION**

Adams, Declan Sinclair

Lan, Qizhen

Tarazona Baquero, Laura Alejandra

\* – Distinction

† – Dean's Honours

# Outstanding Achievements

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## **MEDALS AND AWARDS**

**UNIVERSITY FINALIST  
FOR THE GOVERNOR  
GENERAL'S GOLD MEDAL**

**Doctoral**

Erickson Tjoa (Fall 2023)

**GOVERNOR GENERAL'S  
ACADEMIC SILVER MEDAL**

**Highest standing in an  
undergraduate degree program**

Alexander Stavropoulos

**THE UNIVERSITY OF WATERLOO  
ALUMNI GOLD MEDAL**

**Outstanding academic achievement**

An Thien Dang



# 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](https://uwaterloo.ca/alumni/events-and-awards/awards-and-medals/alumni-gold-medals)

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

# *Our tradition of regalia*

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## **THE GOWN**

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

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

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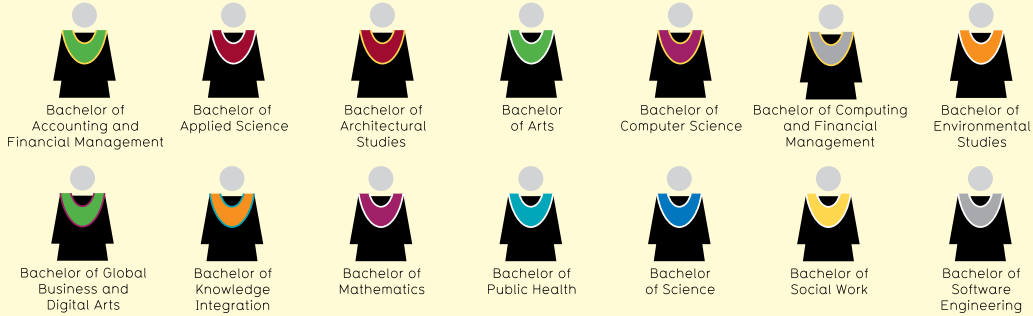
## **THE HOOD**

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

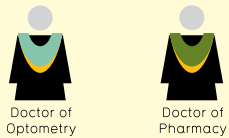
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

# Academic Dress

## BACHELOR'S



## PROFESSIONAL DOCTORATE



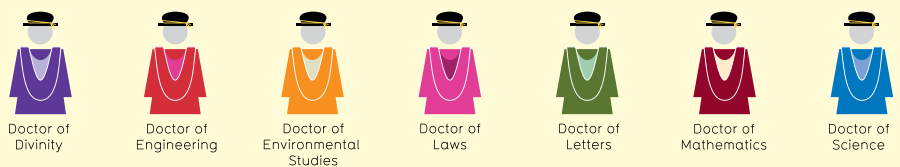
## MASTER'S



## DOCTORAL



## HONORARY DOCTORATE



# CONVOGATION



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

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