



ONE HUNDRED AND TWENTY-FOURTH CONVOCATION

CONVOCATION

FRIDAY
JUNE
17
2022

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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Message from the Chancellor

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

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

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

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

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

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

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



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

DOMINIC BARTON
Chancellor

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

Message from the President and Vice-Chancellor

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

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

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

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

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

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

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

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



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

VIVEK GOEL
CM

President and Vice-Chancellor

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

Message from the Alumni Council President

Congratulations Class of 2022!

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

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

As you look ahead to the next phase of your life, I'm confident that your time at UWaterloo has prepared you well. You have the expertise, creativity and resourcefulness to tackle whatever problem you choose. Longstanding practices are changing and there is opportunity for new ideas to breakthrough.

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

Throughout your career, I encourage you to stay connected to your alumni community. There are more than 230,000 of us and we are here to support you as you work towards your goals. You can contact Waterloo alumni from anywhere in the world – through our Global Ambassadors, Alumni Chapters and online groups.

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

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

I wish you all the best.



Meaghan Kimball

MEAGHAN KIMBALL

BMATH '06

President, University of Waterloo Alumni Council

“THERE ARE MORE THAN 230,000 OF US AND WE ARE HERE TO SUPPORT YOU AS YOU WORK TOWARDS YOUR GOALS.”

Our tradition of convocation

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

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

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

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

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

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



1960s
CONVOCATION
AT WATERLOO

A CALLING TOGETHER

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

CONNECTING WITH TRADITION

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

THE PROCESSION

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

After the graduating students have come in, faculty members enter walking two by two, followed by University officials, all in their academic finery. Near the end of the procession, a selected faculty member will carry the mace, a traditional symbol of the University's authority.

The final party to arrive is the Chancellor's party. The Chancellor is the ceremonial head of the University of Waterloo. The Chancellor presides over Convocation ceremonies every June and October and awards all degrees, diplomas and certificates, including honorary degrees. The Chancellor addresses graduands and inspires them at these ceremonies.

THE MACE

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

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





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

THE COAT OF ARMS AND MOTTO

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

DEGREES AND HONORARY DEGREES

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

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

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

Honorary Doctorates

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



DIANNE SAXE

LLB, PhD

Doctor of Environmental Studies, *honoris causa*

TUESDAY, JUNE 14 / AFTERNOON CEREMONY

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



CAROL LEAMAN

BA, MAcc

Doctor of Letters, *honoris causa*

WEDNESDAY, JUNE 15 / EVENING CEREMONY

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



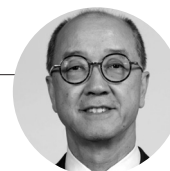
JOHN HELLIWELL

OC, BComm, MA, DPhil, LL.D

Doctor of Letters, *honoris causa*

WEDNESDAY, JUNE 15 / MORNING CEREMONY

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



TONY CHAN

BS, MS, PhD

Doctor of Mathematics, *honoris causa*

THURSDAY, JUNE 16 / MORNING CEREMONY

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

VIRGINIA ANN HEATH

BSc, MSc, MDCM
and

JOHN WILLIAM HEATH

BSc, MDCM, FRCP (C)

Doctors of Science, *honoris causa*

FRIDAY, JUNE 17 / MORNING CEREMONY



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

DOUGLAS FREGIN

CM

Doctor of Engineering, *honoris causa*

FRIDAY, JUNE 17 / EVENING CEREMONY



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

VALERIE DAVIDSON

BEng, MSc, PhD

Doctor of Engineering, *honoris causa*

SATURDAY, JUNE 18 / AFTERNOON CEREMONY



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

Distinguished Professors Emeriti

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



MARK E. HAVITZ

BSc, MSc, PhD

Department of Recreation
and Leisure Studies

TUESDAY, JUNE 14 / MORNING CEREMONY

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



STUART MCGILL

BPE, MSc, PhD

Department of Kinesiology

TUESDAY, JUNE 14 / MORNING CEREMONY

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



ALICE KUZNIAR

BA, MA, PhD

Department of German and Slavic Studies

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

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



JAMES W. ST. G. WALKER

CM, FRSC, PhD

Department of History

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

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



IAN GOULDEN

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

THURSDAY, JUNE 16 / EVENING CEREMONY

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



KATHRYN HARE

BMath, PhD, FCMS
Department of Pure Mathematics

THURSDAY, JUNE 16 / EVENING CEREMONY

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



WILLIAM BOBIER

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

FRIDAY, JUNE 17 / AFTERNOON CEREMONY

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



RAYMOND LEGGE

BSc, PhD
Department of Chemical Engineering

SATURDAY, JUNE 18 / AFTERNOON CEREMONY

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

FLORA T.T. NG

BSc, MSc, PhD

Department of Chemical Engineering



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

KEITH HIPEL

BASc, MASc, PhD

Department of Systems Design Engineering

SATURDAY, JUNE 18 / EVENING CEREMONY



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

Honorary Member of the University

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



SALLY GUNZ

BA, MA, MBA, LLB

School of Accounting and Finance

WEDNESDAY, JUNE 15 / EVENING CEREMONY

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

Guest Speakers



JOHN HIRDES

BSc, MA, PhD, FCAHS

Professor, School of Public Health

TUESDAY, JUNE 14 / MORNING CEREMONY

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



GEOFF FONG

OC, PhD, FRSC, FCAHS

Professor, Department of Psychology and Public Health Sciences

WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

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



MARY E. THOMPSON

BSc, MS, PhD

Distinguished Professor Emerita

THURSDAY, JUNE 16 / AFTERNOON CEREMONY

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



STEVE LAMBERT

MEng, MSc, PhD

Professor, Mechanical and Mechatronics Engineering

FRIDAY, JUNE 17 / EVENING CEREMONY

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

KARIM S. KARIM

BASc, MBA, PhD

Associate Vice-President,
Commercialization and Entrepreneurship

SATURDAY, JUNE 17 / MORNING CEREMONY



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

PAUL FIEGUTH

BASc, SM, PhD

Associate Dean, Resources and Planning

SATURDAY, JUNE 18 / EVENING CEREMONY



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

Valedictorians

Precious Nwaka Faculty of Health
TUESDAY, JUNE 14 / MORNING CEREMONY

Jaskaran Dhillon Faculty of Environment
TUESDAY, JUNE 14 / AFTERNOON CEREMONY

Ola Idris Ali Faculty of Arts
WEDNESDAY, JUNE 15 / AFTERNOON CEREMONY

Farzaan Nathoo-Khedri Faculty of Mathematics
THURSDAY, JUNE 16 / AFTERNOON CEREMONY

Marya Talha Faculty of Science
FRIDAY, JUNE 17 / MORNING CEREMONY

Aisosa Ohiegbomwan Faculty of Science
FRIDAY, JUNE 17 / AFTERNOON CEREMONY

Siddharth Kumar Faculty of Engineering
FRIDAY, JUNE 17 / EVENING CEREMONY

Veraj Paruthi Faculty of Engineering
SATURDAY, JUNE 18 / MORNING CEREMONY

Chukwunonso Jeffrey Moneme Faculty of Engineering
SATURDAY, JUNE 18 / AFTERNOON CEREMONY

Ellen Margarete McGee Faculty of Engineering
SATURDAY, JUNE 18 / EVENING CEREMONY

Distinguished Teacher Awards

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

Robin Duncan
BSc, PhD
Kinesiology and Health Sciences, Faculty of Health

Lowell Ewert
BA, JD, LL.M.
Peace and Conflict Studies, Faculty of Arts,
Conrad Grebel University College

Igor Ivkovic
BMath, MMath, PhD
Systems Design Engineering, Faculty of Engineering

Suzanne Kearns
BSc, MSc, PhD
Geography and Environmental Management,
Faculty of Environment

Rick Marta
BSc, PhD
Chemistry, Physics and Astronomy, Faculty of Science

Rajinder Pal
BTech, PhD
Chemical Engineering, Faculty of Engineering

Cynthia Richard
Pharm, PhD
School of Pharmacy, Faculty of Science

Dan Wolczuk
BSc, MMath
Mathematics, Faculty of Mathematics

University Professors

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

Claudio Canizares

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

Jennifer Clapp

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

Richard J. Cook

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

John Hirdes

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

Lyndon Jones

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

Robert Mann

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

Weihua Zhang

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

Awards of Excellence in Graduate Supervision

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

Jay Dolmage

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

Brian Forrest

Department of Pure Mathematics,
Faculty of Mathematics

Carolyn Ren

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

Paul Stolee

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

Gordon Wilmot

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



MORNING CEREMONY

Degrees and diplomas from:
UNIVERSITY OF WATERLOO
FACULTY OF SCIENCE

Graduate Degrees

DOCTOR OF PHILOSOPHY

Ausri, Irfani Rahmi (Chemistry - Nanotechnology)

“Multiwalled Carbon Nanotube Biohybrid Based Wearable Sensor”

Beedel, Mahdi (Chemistry - Nanotechnology)

“One-Dimensional Nanostructures of Hafnium Oxides: Fabrication With and Without Ti/Fe Doping, and Magnetic Properties”

Bénjanin, Jérémy (Physics)

“Advances in Superconducting Circuit Quantum Electrodynamics”

Cayuso, Juan Ignacio (Physics)

“Studying the Largest Scales in the Universe With the Kinetic Sunyaev-Zel'Dovich Effect”

Chidley, Tristan (Chemistry)

“Applications of Iodonium Ylides for Donor-Acceptor Cyclopropane Synthesis”

Dainard, Paul Gerard (Earth Sciences)

“Carbon Cycling in a Glacier Ice Meltwater Impacted Freshwater System of the Canadian High Arctic: Biogeochemical Processes of the Lake Hazen Watershed”

Dasgupta, Natun (Chemistry)

“Polysaccharides for Bitumen Extraction, Environmental Decontamination and Cell Culture”

Giri, Utkarsh (Physics)

“Reconstructing Cosmic Velocities with the Kinetic Sunyaev-Zeldovich Effect”

Gonda, Tomas (Physics)

“Resource Theories as Quantale Modules”

Huq, Mohammad Maududul (Chemistry)

“Fundamentals of SPME Extraction of Tissue and Plasma: Experimental and In-Silico Approaches”

Kan, Angus Chi Hang (Physics - Quantum Information)

“Quantum Computational Particle Physics: Algorithms, Resource Estimation, and Model-Building”

Kim, Damin (Chemistry)

“Characterization of the Conformation and Internal Backbone Dynamics of α -Polyglucans by Pyrene Excimer Fluorescence”

Kwok, Chun Yuen (Chemistry - Nanotechnology)

“Next Generation Li-S and Li-O₂ Batteries Based on Electrode and Electrolyte Design”

Lecours, Michael James (Chemistry)

“Compact Sparse Coulomb Integrals using a Range-Separated Potential”

Lee, Youn Seok (Physics - Quantum Information)

“Devices for Satellite-Assisted Quantum Networks”

Lin, Jie (Physics - Quantum Information)

“Security Analysis of Quantum Key Distribution: Methods and Applications”

Ma, Lingzi (Chemistry)

“In Vitro Selection, Characterization, and Application of a Sodium-Dependent DNase and a Metal-Independent Ribozyme”

Melek, Marina Medhat Rassmi (Physics)

“Mitigating Fiber Nonlinearity with Machine Learning”

Mirabal, Rafael (Chemistry)

“Part 1: Towards the Synthesis of Pyrene Zigzag Cyclacenes, Part 2: New Methods for the Synthesis of Conjugated Polymers”

Noden, Michael Robert (Chemistry)

“Synthesis and Study of the Cyclic Lipopeptide Antibiotics Paenibacterin and Daptomycin”

Piccolo, Kyle Alexander (Chemistry)

“Studying the Structure and Kinetics of Functional Nucleic Acids”

Sachs, Allison (Physics - Quantum Information)

“The Unruh-DeWitt Detector Model: Modified Dispersion and Nonlinear Couplings”

Sakharwade, Nitica Chandrakant (Physics)

“An Operational Road Towards Understanding Causal Indefiniteness Within Post-Quantum Theories”

Spitzer, Isaac (Physics)

“Topics in Weak Gravitational Lensing”

Tansuwannont, Theerapat (Physics - Quantum Information)

“Flags and Error Weight Parities: A Development of Fault-Tolerant Quantum Computation With Few Ancillas”

Thoma, Janine Lydia (Chemistry)

“Characterizing Polymers with Complex Architecture Using Pyrene Excimer Fluorescence”

Walker, Sean (Chemistry - Quantum Information)

“Scanning Tunneling Microscopy of Electrically Driven Phase Transitions in a Charge Density Wave Material”

Zhou, Laidong (Chemistry - Nanotechnology)

“Lithium Ion Conducting Inorganic Solid Electrolytes and All Solid-State Lithium Batteries”

MASTER OF SCIENCE

Cai, Zhaohui (Physics - Nanotechnology)

Chen, Huizhi (Earth Sciences)

Chen, Lin Kun (Physics)

Cheng, Sandra Wei Ling (Physics - Quantum Information)

Cheng, Siyu (Earth Sciences)

Chow, James (Physics)

Currie, Alex James (Physics - Quantum Information)

De Marchi, Nicholas Donato (Physics)

De Vlugt, Isaac John Stuart (Physics)

Durso-Sabina, Elijah William (Physics - Quantum Information)

Earnest, Carolyn (Physics)

Edgeworth, Ivan Patrick (Earth Sciences)

Egerdeen, Kyla Bree (Chemistry)

Fletcher, Randy Kyle (Chemistry)

Gangopadhyay, Sayan (Physics - Quantum Information)

Grabowecky, Michael James (Physics - Quantum Information)

Grootjen, Tori Elise (Earth Sciences - Water)

Hagedorn, Grant William (Earth Sciences)

Hickey, Alexander (Physics)

Janzen, Noah Cornelius (Physics - Quantum Information)

Kazemi, Alireza (Earth Sciences)

Khromets, Bohdan (Physics - Quantum Information)

Krynski, Joanna (Physics - Quantum Information)

Kuru, Fehime Sema (Physics)
Lo, Ping Hsun (Chemistry)
Lopandic, Maja (Chemistry)
Lulic, Kristijan (Chemistry)
Lyle, Nicholas Jeffrey (Earth Sciences - Water)
Mar, Alisia Tien (Earth Sciences)
Marquez, Audren Luis (Chemistry)
McAlary, Mason (Earth Sciences - Water)
Mohamed, Mayar (Physics - Quantum Information)
Mohammadi, Kimia (Physics - Quantum Information)
Murray, Julian (Earth Sciences)
Nahar, Shlok Ashok (Physics - Quantum Information)
Okasha, Mohamed Yousri Mohamed Farid (Chemistry - Nanotechnology)
Peters, Jacqueline (Earth Sciences - Water)
Rashid, Ameerah (Earth Sciences)
Sun, Zewen (Physics - Quantum Information)
Suryaatmadja, Cendikiawan (Physics)
Tarasca, Michael (Chemistry)
Ulkem, John (Earth Sciences)
Wang, Jun-Zhi (Chemistry)
Whittaker, Tim (Physics)
Widurska, Iwona (Earth Sciences - Water)
Woolverton, Austin David (Physics - Quantum Information)
Zaworski, Christopher Joseph (Physics)
Zhang, Xiaomeng (Physics)

GRADUATE CERTIFICATE

Reid, Jennifer Anne (University Teaching)
Sadeghi Isfahani, Amir Hosein (University Teaching)

Undergraduate Degrees

BACHELOR OF SCIENCE

HONOURS SCIENCE

Muhammad Haider Ali (Biology Minor)
Ahmed, Fatima Aziz (Biology Minor)
Akwajah, Martina Nmesoma (Chemistry Minor, Biology Minor)
Ali, Zahara (Biology Minor)
Alif, Safia (Bioinformatics Option – Biology Minor)
Al-Majmaie, Duaa (Biology Minor)
Amazan, Alyssa Fednie (Psychology Minor, Biology Minor)
Andres, Joleen Belle (Biology Minor)
Arseneault, Kristina Angela (Biology Minor)
Asghari, Tazeen (Biology Minor)
Au, Yvonne
Avezbadalov, Rafael (Biology Minor) †
Badri, Hibo Farah (Biology Minor, Psychology Minor)
Bah, Mariama Hadiza (Chemistry Minor, Biology Minor)
Bains, Shabnam (Biology Minor) †
Bajorek, Victoria
Banjoko, Oluwatobi (Biology Minor, Psychology Minor) †
Barnett, Hannah Rose (Biology Minor, Psychology Minor) *
Bauer, Hannah Grace (Human Nutrition Minor, Medical Physiology Minor)
Benjamin, Ashley Nicole (Chemistry Minor, Earth Sciences Minor)
Bhardwaj, Aahan Rai (Earth Sciences Minor)
Bharwani, Govind (Biology Minor, Human Resources Management Minor)
Bien, Alexander Edward (Biology Minor) †
Bodera, Yessica Weronica (Biology Minor)
Bond, Christopher Hadyn (Biology Minor, Mathematics Minor)
Brar, Jasleen Kaur
Cao, Yvonne Ngan (Bioinformatics Option – Biology Minor)
Çelik, Selin (Biology Minor, Chemistry Minor)

Cervantes, Julia Regina Balbuena
Chahal, Jasmeet (Biology Minor) †
Chang, Natalie (Biology Minor)
Chau, Arnold (Biology Minor) †
Chen, Yuxuan (Chemistry Minor)
Chiarenza, Christina Mary (Biology Minor)
Chick, Christopher Sen
Chughtai, Muhammad Faizan (Bioinformatics Option)
Chung, Alicia
Chung, Amy Mooyoung (Biology Minor) †
Chyzowski, Nicholas Brian (Biology Minor) †
Dedrick, Ashley Rose (Biology Minor, Psychology Minor)
Ding, Adam (Bioinformatics Option – Biology Minor)
Doss, Steven Hany (Biology Minor) †
Dowcet, Batoul Nizar (Biology Minor)
D'Souza, David Jeremiah (Biology Minor, Chemistry Minor) †
Famoriyo, Beauty Temitayo (Biology Minor)
Ferdianto (Biology Minor)
Ford, Payton Cheryl (Medical Physiology Minor, Psychology Minor) †
Frolick, Emily Francesca
Gautam, Disha
Gill, Jasraj Kevin Singh
Gill, Saihej (Psychology Minor, Chemistry Minor, Biology Minor) †
Giuchin, Isabella Amanda (Biology Minor)
Gong, Alex (Chemistry Minor, Biology Minor)
Goodenough, Alyssa Midori (Biology Minor, Chemistry Minor)
Goyal, Charita (Biology Minor, Fine Arts Minor)
Grewal, Simran Kaur (Biochemistry Minor) *
Griffith, Saje Quesnel (Biology Minor) †
Guilbeault, Kyle Rosaire Daniel (Biology Minor) *
Hajjo, Mohamed
Harding, Samuel David (Earth Sciences Minor)

Harper, Joseph David (Biochemistry Minor)
Hart, Hugh Dennis Callum (Earth Sciences Minor)
Henry, Kathryn (Biology Minor, Psychology Minor)
Ho, Hannifer Yan Lam (Biology Minor) *
Hoang, Jennifer (Biology Minor)
Hoang, Johnson Phan (Biology Minor, Chemistry Minor, Psychology Minor)
Hoare, Lauren Elizabeth (Biology Minor, Psychology Minor)
Hobbs, Thomas Foster (Biology Minor, Psychology Minor) *
Hu, Maggie Min Qi (Biology Minor) *
Huang, Lucy Pingzhuo
HYUN, JEONG WON (Biology Minor)
Jang, Ri Ri *
Jegamohan, Jayhisan (Medical Physiology Minor)
Karbhari, Aylaf Mohammed Rashid (Biology Minor, Legal Studies Minor) †
Kaunain, Amatullah (Biology Minor)
Kim, Jenny Jisou (Medical Physiology Minor, Biology Minor)
Kiradziev, Bethany Catherine (Biology Minor, Medical Physiology Minor) †
Kossio, Angeles Kim
Kuai, Heng U (Earth Sciences Minor, Biology Minor)
Kwong, Jade Faylin (Medical Physiology Minor, Technical Writing Minor)
La, Steven
Lapietra Garcia, Thomas (Science & Joint Honours Psychology – Earth Sciences Minor, Biology Minor)
Le, Jessica (Biology Minor, Psychology Minor) *
Le, Michelle (Biology Minor) *
Lepp, Karl (Earth Sciences Minor)
Lesage, Lauren Judith
Li, Ran (Bioinformatics Option)
Li, Shuman (Medical Physiology Minor, Psychology Minor)
Lim, Christina Anne (Biology Minor) †
Lin, Tianhui (Biology Minor) *

* – Distinction

† – Dean's Honours

Liu, Chen (Biology Minor)

Liu, Shuo

Luo, Zixuan

MacDonald, Morgan Jessica (Biology Minor)

Manekia, Mahtaab (Chemistry Minor)

Maria, Maria (Biology Minor, Medical Physiology Minor)

Markov, Hennadiy (Biology Minor, Medical Physiology Minor)

Matharu, Dilpreet Kaur (Biology Minor) *

Mehnaaz, Samreen (Bioinformatics Option – Mathematics Minor, Biology Minor)

Mian, Laureen (Biology Minor)

Morton, Andrew Thomas (Earth Sciences Minor)

Mourad, Nicolas (French Minor) †

Mudzongo, Takudzwa Chipo Valerie (Biochemistry Minor)

Murat, Angela Katherine (Biology Minor, Psychology Minor)

Nanjiba, Rifah (Biology Minor)

Nguyen, Brian (Biology Minor)

Nguyen, Jenny Phuong Thao Dinh (Bioinformatics Option – Biology Minor) †

Nguyen Quang, Tue Tran Daniella (Biology Minor, Psychology Minor)

Ogbole, Naomi Angel (Biology Minor) *

Ong-Tone, Alexander Matthew (Biology Minor)

Ou, Leyi (Biology Minor)

Pachiorka, Zara Lily (Biology Minor) *

Parlar, Ezgi (Psychology Minor, Biology Minor)

Pham, Cathy (Biology Minor) *

Phu, Richard Dat Tuong (Biology Minor, Psychology Minor)

Pok, Jun Jie Darwin

Pukrop, Adam Stanislaw (Bioinformatics Option)

Qin, Catherine (Biology Minor)

Qin, Jialin (Biology Minor, Psychology Minor)

Raj, Anjali (Biology Minor, Psychology Minor)

Rajapakse, Situsekara Mudiyansele Sanchali (Biochemistry Minor)

Rodenburg, Evan David (Earth Sciences Minor, Geography and Environmental Management Minor)

Semchism, Sarah Katherine (Biology Minor, Chemistry Minor, Environment, Resources and Sustainability Minor) †

Shearer, Elizabeth Celina (Medical Physiology Minor, Human Nutrition Minor) *

Sheikh, Omair (Biology Minor)

Skinner, Aidan Christopher

Sodhi, Nanki Kaur

Srirangan, Maya Bhayiravi (Biology Minor)

Stavropoulos, Nicole Francesca

Su, Jun Wen (Biology Minor)

Ta, Wenny (Medical Physiology Minor, Psychology Minor, Biology Minor)

Talha, Marya (Classical Studies Minor, Biology Minor)

Tasaka, Kahnon Mariel (Chemistry Minor, Biology Minor) †

Tep-Chhun, Alexander Satshia

Tesfaye, Kudous Bekele (Biology Minor)

Tham, Carita (Biology Minor, Anthropology Minor)

Thayalan, Rathushaan (Biology Minor)

To, Kelly (Biology Minor) †

Tran, Kevin

Tran, William Uy (Chemistry Minor)

Twum-Antwi, Betty Kukua (Biology Minor) *

Uribe Perez, Victoria (Biology Minor)

Vallee, Mackenzie Dawn (Psychology Minor, Biology Minor) †

Vaseekharan, Arvind

Vong, Joanna (Biology Minor)

Vyas, Kalyani (Biology Minor) †

Walia, Mridu

Wallace, Jack (Biology Minor, Music Minor)

Wang, Youming (Biology Minor)

Wong, Jasper Tsz Kiu

Wong, Jessica Sin Hyn

Yang, Cindy (Biology Minor)

Yeung, Hannah Hoi Kay

Yu, Boyang (Physics Minor)

Yu, Wushuang (Biology Minor) †

Zaffar, Kashmala (Biology Minor, Legal Studies Minor)

Zhan, Eileen

Zhang, Yixuan (Biology Minor)

Zhong, Catherine Dorothy (Biology Minor)

HONOURS BIOCHEMISTRY

Abu Farah, Joud Fathi Abdel Wah (Biotechnology Specialization – Co-operative Program)

Arvaisis, Alina (Bioinformatics Option – Co-operative Program) †

Belford, Genevieve Helenia (Co-operative Program) †

Breberina, Kate Elizabeth (Co-operative Program)

Celejewski, Konrad Radoslaw (Co-operative Program)

Chan, Kevin (Biotechnology Specialization – Co-operative Program)

Chan, Lyon (Bioinformatics Option)

Chen, Chun Wing Bryan (Co-operative Program)

Chong-Kit, Tianna Rhea (Co-operative Program)

Cianni, Elisabeth (Co-operative Program)

Dharni, Balpreet *

Dole, Anh Tram (Co-operative Program) †

Duong, Stephon Taylor (Co-operative Program) *

Elder, Logan Gene (Co-operative Program)

Fatima, Syeda Sakina (Biotechnology Specialization)

Feng, Michelle (Bioinformatics Option – Co-operative Program)

Fougere, Gregory Charles (Biotechnology Specialization – Co-operative Program)

Gao, Grace (Biotechnology Specialization/Bioinformatics Option – Psychology Minor) *

Ghannaiaman, Adil Akram (Biotechnology Specialization/Bioinformatics Option)

Gill, Jasleen

Gill, Tanveer Kaur (Co-operative Program)

Gomes, Renessa †

Green, Danielle Carol (Biotechnology Specialization – Co-operative Program) †

Hope, Hayley Gwynn

Hoy, Elijah Robert (Biotechnology Specialization – Co-operative Program) †

Hsiung, Chin Hao Daryl (Bioinformatics Option – Co-operative Program)

Jain, Naina (Biotechnology Specialization)

* – Distinction
† – Dean's Honours

Jun, Joseph (Co-operative Program) *

Kim, Hyerin (Co-operative Program) *

Kim, Nathaniel Myoung-Ook
Krzysko, Michael

Le Duong, Hien Thong
(Biotechnology Specialization) †

Lontok, Sierra Hope (Co-operative Program)

Lung Ler, Ngun Caan (Biotechnology Specialization)

Mackinnon, Morley Anne
(Co-operative Program)

Mahamud, Abdulkadir

Montreuil Strub, Émilie
(Co-operative Program) †

Moussa, Sami Andrew

Nararidh, Tanya (Biotechnology Specialization) †

Ng, Sarah Zi-Kei (Biotechnology Specialization)

Ong, Steven (Bioinformatics Option – Co-operative Program) *

Patel, Mehal (Biotechnology Specialization)

Patel, Yesha (Biotechnology Specialization) *

Paul, Jai Bharat

Peck, Mackenzie Christopher
(Biotechnology Specialization)

Pham, Lucas

Prabaharan, Anjali (Co-operative Program) *

Pushpanathan, Methusha
(Co-operative Program)

Rajalingham, Ainthuri *

Ratto Velasquez, Amanda Rose †

Santhirakumar, Shaminth
(Co-operative Program)

Shaw, Nicolette Adrienne
(Co-operative Program) *

Su, Shiqi (Bioinformatics Option) *

Thang, Stephanie Savannah
(Co-operative Program) †

Thompson, Kasia Ewa

Trivael, Sheila (Biotechnology Specialization – Co-operative Program) *

Wan, Michelle (Co-operative Program)

Weir, Kennedy Helaine Adriaane †

Wong, Eleanor Christina Bo Yee
(Co-operative Program)

Wu, Katherine (Bioinformatics Option – Co-operative Program) *

Xie, Anson (Co-operative Program)

Xu, Ning (Biotechnology Specialization/Bioinformatics Option) †

Zhou, Yu Kai (Bioinformatics Option)

HONOURS CHEMICAL PHYSICS

Bouliane, Michael *

Du, Eric Jiahua (Co-operative Program)

Early, Sara Elizabeth (Astrophysics Minor – Co-operative Program) *

HONOURS CHEMISTRY

Abrenica, Aira Denise

Aziz, Daniel Wladyslaw
(Co-operative Program)

Bec, Avery Eileen (Co-operative Program)

Brutto, Mark Antonio *

Chang, EunBin (Computational Specialization)

Chen, Derek

Chen, Kelly Yan Bing

Chisamore, Jared Kent
(Co-operative Program) *

Donohoe, Madison Eva
(Co-operative Program)

Fedurko, Joshua

Feng, Lin *

Feng, Xinyi *

Gage, Eliana (Co-operative Program)

Garcia, Noel Jr Manalad
(Co-operative Program)

Kelly, Christian Thomas
(Co-operative Program)

Li, Lu *

Liang, Chen (Computational Specialization – Co-operative Program)

Liu, Rong *

Liu, Yifan *

Liu, Zhaoxiang †

Lloyd, Ryan Allan Clarke
(Philosophy Minor)

Long, Taran (French Minor – Co-operative Program)

Milligan, Emily Judith (Co-operative Program)

Murdoch, Lynne Dave Peter *

Nguyen, Quan Jackie

Oppertshauer, Alyssa Mariko
(Co-operative Program) †

Papazotos, Demetrios (Co-operative Program) *

Ryan, Christopher Robbin
Makanakealoha

SHI, Yunsong *

Stienstra, Cailum Matthias
Kellerman (Computational Specialization – Co-operative Program) †

Sun, Wenxiu *

Tong, Chelsia Joyce (Co-operative Program)

Tzoganakis, Maria (Co-operative Program)

Waldie, Alexander Scott
(Co-operative Program)

Wang, Huiying *

Wang, YiHao †

Wang, Yuzhuo *

Wookey, Bridget Rose Kevany
(Co-operative Program)

Wu, Siyao (Co-operative Program) *

Yang, Shuhan †

Yogeswaran, Pravin (Co-operative Program)

Zhang, Lingjun

Zhong, YuFang (Co-operative Program)

HONOURS EARTH SCIENCES

Bell, Nicole Kathleen Joan
(Geophysics Specialization – Co-operative Program) †

Bowman, Isabella Katarina Ford
(Hydrogeology Specialization) *

Chen, Xuechao (Hydrogeology Specialization)

Clarke, Johnathan Douglas Alonzo
(Geology Specialization – Co-operative Program) †

Drew, Kian Leonard (Geology Specialization) *

Foster, Madison Alexandra Lee
(Geology Specialization) *

Han, Minghan (Hydrogeology Specialization)

Harvey, Quinn Johnathan
(Hydrogeology Specialization – Co-operative Program) *

Ibrahim, Anika (Geology Specialization)

Jones, Vanessa Anne (Geology Specialization) *

King, Mackenzie Jordon Rose
(Geophysics Specialization)

Leonard, Eric Hudson (Geophysics Specialization)

Li, Heyang (Hydrogeology Specialization)

* – Distinction

† – Dean's Honours

Lord, Rebecca Jean (Hydrogeology Specialization – Co-operative Program) *

Rotsaert, Isabelle Simone (Geophysics Specialization – Co-operative Program)

Sedyshev, Andrey (Geophysics Specialization – Physics Minor)

Simmonds, Dylan Ray (Geology Specialization – Co-operative Program) *

Verschoor, Jessica Diane (Geology Specialization – Medieval Studies Minor)

Xu, Yuwen (Geology Specialization)

Zheng, Zezhou (Geology Specialization)

HONOURS

ENVIRONMENTAL SCIENCES

Afrin, Fabiha (Geoscience Specialization – Biology Minor, Geography and Environmental Management Minor – Co-operative Program)

Ahmad, Sana (Geoscience Specialization – Co-operative Program) *

Ali, Meesha (Geoscience Specialization)

Cadera, Kirstin Ann (Geoscience Specialization – Co-operative Program) †

Chang, Evan Chwen-De (Ecology – Earth Sciences Minor – Co-operative Program) †

Chen, Zhuo (Water Science Specialization)

Chen, Zihang (Water Science Specialization)

Cheng, Linxin (Water Science Specialization)

Cheng, Yikang (Water Science Specialization) *

Cooper, Evan Michael Glen (Ecology – Co-operative Program)

Dang, YunXiao (Water Science Specialization)

Dhindsa, Aman (Ecology)

Fairbairn, Gabrielle Olivia (Environmental Sciences/Ecology & Joint Honours Legal Studies)

GE, YAO (Water Science Specialization)

Hackbusch, Joshua Sebastian (Geoscience Specialization – Co-operative Program)

He, Chenfeng (Water Science Specialization) *

He, Jingyi (Water Science Specialization)

He, Qinwen (Water Science Specialization) †

Hunt, Madison Jane (Water Science Specialization)

Josan, Gagandeep (Geoscience Specialization – Co-operative Program)

Kallideen, Raquel Nicole (Ecology – Psychology Minor – Co-operative Program)

Lam, Kyra Gillian (Ecology)

Lee, Brian Chen-Yu (Geoscience Specialization – Co-operative Program)

Li, Chengyuan (Ecology)

Li, Qian Yi (Geoscience Specialization – Co-operative Program) †

Li, Yilun (Water Science Specialization) †

Lin, Zhaoxuan (Ecology) *

Liu, Yubin (Water Science Specialization) †

Liu, Zimin (Water Science Specialization)

Luo, Bowen (Water Science Specialization) †

Lutian, Jerome Antonio Vitorio (Geoscience Specialization)

Matthews, Stuart Elliott (Water Science Specialization) †

Phan, Emily (Geoscience Specialization – Biology Minor)

Poganatz, Katarina Veronica (Geoscience Specialization – Biology Minor – Co-operative Program) *

Rocan, Joel (Geoscience Specialization) †

Roefs, Marisa Lyn (Ecology – Earth Sciences Minor, Social Development Studies Minor) *

Shao, Kun (Water Science Specialization)

Shen, Yizhi (Water Science Specialization) †

Shi, Chenwei (Water Science Specialization)

Somera, Reginald (Geoscience Specialization – Geography and Environmental Management Minor – Co-operative Program) †

Song, Chenyu (Water Science Specialization) *

Su, Yuanning (Geoscience Specialization)

Sun, Haowei (Water Science Specialization) *

Sun, Tianze (Water Science Specialization)

Sun, Xiaoyu (Water Science Specialization) †

Tam, Wing Lam Savina (Geoscience Specialization – Co-operative Program)

Tian, Wenrui (Water Science Specialization)

Van Loon, Nikita Mako (Geoscience Specialization – Biology Minor, Geography and Environmental Management Minor) *

Wong, Rosanna G Y (Ecology – Co-operative Program)

Wu, Siyu (Water Science Specialization) †

Xiao, Qiwen (Water Science Specialization)

Xu, Jiawen (Water Science Specialization) *

Yu, Xinyue (Water Science Specialization) *

Zeng, Jingzhi (Ecology – Parks Minor – Co-operative Program)

Zeng, Weiyi (Water Science Specialization) *

Zhang, Haichen (Water Science Specialization) *

Zhang, Shutong (Water Science Specialization)

Zhang, Siqi (Water Science Specialization)

Zhong, Mingxuan (Water Science Specialization)

Zhou, Chuyun (Water Science Specialization) *

Zhou, Tingxuan (Water Science Specialization) *

Zou, Yifei (Water Science Specialization) †

HONOURS GEOCHEMISTRY

Lei, Benjamin

HONOURS LIFE PHYSICS

Nguyen, Duy Derek Tuan

Wahib, Nadia

Zhang, Wenqi (Psychology Minor)

HONOURS MATERIALS AND NANOSCIENCES

Ben, Yuchen †

Cao, Yue †

Chen, Mengyu *

Elliott-Mohamed, Shakir (Biophysics Minor – Co-operative Program)

Fathi, Nima

Fu, Jiawei †

Ge, Zhiyuan †

* – Distinction

† – Dean's Honours

Gong, Ming †
 Guan, Xingjian
 He, Yichen †
 He, Zhuoyang †
 Hu, Zhenquan
 Huang, Qiye (Co-operative Program)
 Hung, Chi-Kai (Co-operative Program)
 Joo, Cecilia Min-Jee (Co-operative Program) *
 Li, Songze †
 Li, Xiaowei †
 Li, Yanlin *
 Li, Yue †
 Liang, Xiaojie †
 Liu, Long *
 Liu, Xiaoyue †
 Liu, Yue
 Liu, Zixuan †
 Lu, Junzhe
 Luo, Mingyu †
 Luo, Yiran
 Lyu, Ning †
 Major, Lauren Nicole (Co-operative Program)
 Miller, Tessa-Jade (Co-operative Program)
 Nayak, Milind Ajith (Co-operative Program) *
 Nie, Zhongliang †
 Patel, Kshiti Vishnubhai (Co-operative Program)
 Price, Lucas Harrison
 Qin, Yijia †
 Shen, Zhongwen *
 Song, Wenlong †
 Song, Yuheng †
 Sun, Fancheng (Co-operative Program)
 Sun, Yu *
 Tang, Zihan *
 Tong, Chaobo †
 Wang, Hanqing †
 Wang, Jiyuan *
 Wang, Liuhe *
 Wang, Xindi
 Wang, Yuran †
 Wu, Qianqian †
 Wu, Sheng †
 Wu, Yue *
 Yao, Yiming *
 Zeng, Ziheng *

Zhang, Bo (Mathematics Minor) †
 Zhang, Hangyu *
 Zhang, Kaiyue †
 Zhang, Xuewei †
 Zhao, Xingeng (Biophysics Minor) *
 Zhao, Zhi †
 Zheng, Ruofei †
 Zhou, Long †
 Zia, David Shing-Hei (Co-operative Program) *

HONOURS MATHEMATICAL PHYSICS

Bapna, Abhik
 Bateman-Hemphill, William Isaac (Astrophysics Minor – Co-operative Program) †
 Chan, Darren Zeming (Pure Mathematics Minor – Co-operative Program) †
 Chen, Ze Yang (Computing Minor – Co-operative Program) *
 Chong, Jessica Katie *
 Dallaway, William Gregory (Astrophysics Specialization – Pure Mathematics Minor) †
 Dodgson, Finn Erik †
 Fogal, Alexander Nilo (Co-operative Program) †
 Hahn, Richard Lewis (Astrophysics Specialization – Co-operative Program) †
 Han, Jialin
 Kealey, Malcolm Agostino †
 Khadjenouri, Amin (Pure Mathematics Minor)
 Khan, Firaz Hussain (Astrophysics Minor – Co-operative Program)
 Lailey, Owen Adam (Astrophysics Specialization – Co-operative Program) †
 Lemesre, François Guillaume (Astrophysics Specialization – Pure Mathematics Minor)
 Li, Xinyang (Co-operative Program) *
 Li, Zun (Computing Minor – Co-operative Program)
 Majid, Yousif (Co-operative Program)
 Marks, Gareth Arturo (Pure Mathematics Minor – Co-operative Program) †
 McArthur, Koi R (Co-operative Program) †
 McGlashan, Eric John Barry (Management Studies Minor – Co-operative Program) †

Moffat, Ryan Bryce *
 Nie, Xianfan (Computing Minor)
 Ouellet, Luc Andre
 Panesar, Arashdeep Singh (Co-operative Program)
 Pasternak, Brianna Sarah (Combinatorics and Optimization Minor – Co-operative Program)
 Pule Méndez, Jefferson Alexander †
 Robinson, Travis Harold
 Savoy, Nathaniel Howard Shaun
 Shen, Yuting
 Simmons, Andrew Kyle (Co-operative Program) †
 Sorochkin, Timothy (Pure Mathematics Minor) *
 Sykes, Gareth Cameron
 Tai, Cheuk Lam (Astrophysics Minor, Pure Mathematics Minor – Co-operative Program) †
 Tian, Ziyu
 Vats, Parth (Astrophysics Minor – Co-operative Program) *
 Vert, Adam Howard (Co-operative Program)
 Wang, Kexin
 Wei, Ruotong
 Yan, Yihan (Pure Mathematics Minor) †
 Yu, Siyuan (Co-operative Program) *
 Yusufzai, Fahim Shukran (Pure Mathematics Minor, Computing Minor)
 Zheng, YiDan †

HONOURS MEDICINAL CHEMISTRY

Cordell, Morgan James (Co-operative Program) †
 Glofcheskie, Lukas Jerome (Co-operative Program) *
 Jiang, Tangxiao (Co-operative Program) *
 Marlyn, Julian Maxwell William (Co-operative Program) †
 von Eppinghoven, Derek Harris George (Co-operative Program) *

HONOURS PHYSICS

Del Franco, Paul
 Dubey, Siddhartha
 Harford, Paige Angela (Astrophysics Minor – Co-operative Program) †
 Hass, Wilfred Takayuki (Astrophysics Minor) †
 Huq, Shahrier Bin Mahfuz (Co-operative Program)

* – Distinction

† – Dean's Honours

Ibrahim, Tarek Sherif Fouad †
Kanagarasa, Chawthri
 (Co-operative Program)
Lakhani, Uzair (Co-operative Program)
Lu, Hongji
Masella, Olivia (Biophysics Minor – Co-operative Program) *
Nandivada, Lalitasri Urja (French Minor)
Noble Curveira, Carlos Joaquim
 (Astrophysics Specialization – Co-operative Program) *
Patil, Sakshee Samir (Astrophysics Minor – Co-operative Program) †
Pranav Bhagawath Prasad
 (Economics Minor)
Raghuvanshi, Devejya
 (Co-operative Program)
Ruan, Daguang (Computing Minor)
Schrier, Justin Benjamin †
Stoiță, Bogdan Ionuț
Tang, Jingsen †
Usherovich, Samuel *
Vander Veen, Darian Chase (French Minor – Co-operative Program)
Wang, Weixuan (Economics Minor)

HONOURS PHYSICS AND ASTRONOMY

Azevedo, Matthew Quinn (Physics and Astronomy & Joint Honours Economics – Philosophy Minor)
Baal, Davin John (Co-operative Program) *
Carvalho, Gabriel Mitchell
 (Co-operative Program) †
Dizdar, Neo (Co-operative Program) *
Foster, Lauren Marion †
Herz, Erik Martin (Co-operative Program)
Katil, Akanksha (Co-operative Program) *
Khalaf, Tamara Emily
Kruschat, Damian Sebastian
 (Co-operative Program)
Kuang, Sherry Meng (Co-operative Program)
Loria, Mallory Kristen
Mehboob, Sheikh Uzair
 (Co-operative Program)
Nademi, Cody (Co-operative Program)
Neeb, Mikayla Brooke (Co-operative Program)
Owens, Nicholas (Co-operative Program) †

Padawer-Blatt, Aviv Shaya
 (Co-operative Program) †
Pelletier, Tristan (Co-operative Program)
Ratra, Pranav Atul (Earth Sciences Minor, Applied Language Studies Minor – Co-operative Program) *
Rudd, Ethan Kaleb (Co-operative Program) †
Schiebelbein, Aryanna Ann-Marie
 (Anthropology Minor) †
Seeger, Thomas Aurelius Martin
 (Biophysics Minor)
Sprenger, Andre
Steinfeld, Scott Steven (Computing Minor – Co-operative Program) †
Tennant, Quinton Richard
 (Co-operative Program) *
Xu Luo, Xiao Wen (Co-operative Program)

HONOURS SCIENCE AND AVIATION

Antcliffe, Thomas *
Heins, Melanie Christiane (Earth Sciences Minor)
Ho, Ring Yee Winnie *
Montagnese, Zachary R
Nekhela, Michael
Poon, Maggie Joy (Earth Sciences Minor) *
Puzon, Edward Blake Villanueva
 (Earth Sciences Minor) *
Rawlinson, Noah Hunter
Shamsi, Maryam Imran †
Snider, Nathaniel James (Biology Minor)
Stewart, Byron Richard
Tomkins, Robert Jason (Astrophysics Minor) *
Uy, Romuel Jerome Agoncillo (Earth Sciences Minor) *

DIPLOMA IN CHINESE LANGUAGE I

Hu, Maggie Min Qi

DIPLOMA IN ECOLOGICAL RESTORATION AND REHABILITATION

Van Loon, Nikita Mako

DIPLOMA IN FRENCH LANGUAGE II

Famoriyo, Beauty Temitayo

DIPLOMA IN JAPANESE LANGUAGE I

Chong, Jessica Katie

DIPLOMA IN KOREAN LANGUAGE I

Patil, Sakshee Samir

DIPLOMA IN SPANISH LANGUAGE I

Wookey, Bridget Rose Kevany

DIPLOMA IN SUSTAINABILITY

Pachiorka, Zara Lily
 Phan, Emily
 Semchism, Sarah Katherine

DIPLOMA OF EXCELLENCE IN GEOGRAPHIC INFORMATION SYSTEMS

Somera, Reginald
 Van Loon, Nikita Mako

CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

Chan, Darren Zeming
 Green, Danielle Carol
 Kundurthi, Sridevi
 Sewell, Isabella Jordan

CERTIFICATE IN EXPERIENTIAL EDUCATION

Famoriyo, Beauty Temitayo
 Lung Ler, Ngun Caan
 Mudzongo, Takudzwa Chipso Valerie
 Rajalingham, Ainthuri
 Shearer, Elizabeth Celina

CERTIFICATE IN GLOBAL EXPERIENCE

Ratra, Pranav Atul
 Shearer, Elizabeth Celina

* – Distinction
 † – Dean's Honours



AFTERNOON CEREMONY

Degrees and diplomas from:
UNIVERSITY OF WATERLOO
FACULTY OF SCIENCE

Graduate Degrees

DOCTOR OF PHILOSOPHY

Aguiar, Jennifer Ann (Biology)

“Bioinformatic Insights into the Impacts of External Stimuli on the Human Airway”

Chow, Amy Hiu Yan (Vision Science)

“Attentional Factors Underlying Binocular Vision Loss in Amblyopia”

Faisal, Sadaf (Pharmacy)

“Integration of Smart Multidose Blister Packaging for Medication Management”

Ikert, Heather Anne (Biology)

“Impacts of Acute and Anthropogenic Stress on Fish MicroRNA”

Jayakumar, Varadharajan (Vision Science)

“Ocular Surface Sensory Processing and Signal Detection Theory”

Mungalsingh, Melanie Asha (Vision Science)

“Stimulus Characteristics of a Novel Air-Based Multiple Stimulus Aesthesiometer”

Poletto Borges, Vanessa (Biology)

“A Genomic Study of the Invasive Red Alga *Bangia Atropurpurea* (Mertrens ex Roth) C. Agardh”

Remmer, Casey Rose (Biology - Water)

“Use of Water Isotope Tracers to Elucidate Hydrological Conditions of Lakes in the Peace-Athabasca Delta Over Space and Time: A Foundation for Lake Ecosystem Monitoring”

Wong, Shirley (Pharmacy)

“Construction and Characterization of a Hybrid Bacteriophage Gene Delivery Platform”

Wong, Stephanie (Vision Science)

“Examination of Contact Lenses and Dry Eye Using Evaporimetry”

Yee, Alan (Vision Science)

“Uptake and Release of Preservatives From Soft Contact Lens Materials”

Zare Bidaki, Ehsan (Vision Science and Systems Design Engineering)

“A System for Ocular Surface Temperature Measurement Using Infrared Thermography”

MASTER OF SCIENCE

Adeel, Saeer Ahmad (Biology)

Brook, Madison Elizabeth (Biology)

Burton, Erika Alexandra (Biology - Water)

D’souza, Bradley Brandon (Biology)

Guo, Huming (Biology)

Jewczynko, Anna Eva (Biology)

Koiter, Lauren Elizabeth (Biology - Water)

Novik, Elaine (Biology)

Overton, Alyssa Kate (Biology)

Rodriguez Cornejo, Tania (Biology)

Suko, Adeline Thea (Vision Science and Biology)

Yeboah, Anne Marie Diamond (Vision Science)

Zhou, Tianlun (Biology)

GRADUATE CERTIFICATE

Burbank, Jacob David (University Teaching)

Fraser, Nicole (University Teaching)

St Jean, Jesse Emile (University Teaching)

Undergraduate Degrees

BACHELOR OF SCIENCE

GENERAL SCIENCE – THREE YEAR

Aceti, Nicolas *

Arnel, Jonathan *

Baset, Abdul (Biology Minor)

Batra, Tarun (Biology Minor)

Beg, Reem

Billote, Jasmine Virginia (Biology Minor)

Bimbh, Gurpreet (Earth Sciences Minor)

Bindra, Harmohit Singh (Physics Minor) *

Carrigan, Madeleine Lee (Psychology Minor)

Chen, Addison (Biology Minor)

Chen, Paul Ying Dong †

Cooke, Andrew Darrell

Cressman, Bailey Jean

Dias, Nigel (Physics Minor)

Eid, Seema

Garcia, Jeanne Pauline (Biology Minor)

Hall, Faith Jessica (Chemistry Minor)

Han, Han (Chemistry Minor)

Hasan, Saad Mohammed

Hawkes, George Heinrich

Hicks, Tyler Stephen Wallace

Jacob, Jinu Mary (Biology Minor)

Jeorje, Nahren Manhal

Jeyathevan, Trissi (Biology Minor)

Kempel, Benjamin O (Earth Sciences Minor) †

Khan, Rao Areeb

Khan, Saad Saud

Khan, Shan-E-Azeem

Ko, Ning Yuan

Komarova, Ekaterina (Chemistry Minor)

Lam, Chee Yeung

Lam, Dennis

Lee, Fang-Ni Kimberly

Liu, Yong Long (Computing Minor)

Luong, Vu Son

Mekky, Islam Ahmed Mohamed Ali

Melnic, Alexander

Miskin, Sneha Nichelle

Moniz, David Tiburcio

Morris, Noah Alexander

Mustjaab, Muhammad

Nakhuda, Unaisah

Narsidani, Riya Rahim

Pham Ha, Anh (Biology Minor)

Razai, Muhammad Reza

Roberge, Rene Victoria (Psychology Minor)

Sandhu, Japunjit Singh *

Sangha, Manav Singh *

Shafiq, Saniha (Psychology Minor)

Sibbal, Shuddhii (Earth Sciences Minor)

Simon, Daniel Erik

Sturge, Sarah Allison †

Vadgama, Kunall

Vats, Raiyan

Xu, Eugene Shuming

Yu, Anissa Song Xian *

HONOURS BIOLOGY

Agina, Florence Oghenerhukevwe

Al Haddad, Joseph

Ali, Arshad Adel (Computing Minor, Anthropology Minor – Co-operative Program)

Araya, Emma Jean Law (Microbiology Specialization – Anthropology Minor – Co-operative Program) *

Ashok, Bhavya (Biology & Joint Honours Mathematics – Co-operative Program) *

Babu, Kaaviya (Molecular Genetics Specialization/Bioinformatics Option – Co-operative Program)

Baldiwala, Rashida Mushtaq (Psychology Minor – Co-operative Program)

Ballesteros, David (Microbiology Specialization – Co-operative Program)

Bao, Jie †

Barrow, Emma Sydney (French Minor – Co-operative Program) *

Becker, Blythe Bella Dawn (Psychology Minor) †

Bhella, Simran Kaur (Animal Biology Specialization) †

Booth, Chelsea Jasmine

Bota, Horatiu Alexandru

Brankovic, Simonida (Co-operative Program) †

Brar, Navraz Singh

Campbell, Zurie Elyse (Co-operative Program) *

Chan, Jonathan Yui-Lai (Co-operative Program) *

Chu, Vivian Serena (Molecular Genetics Specialization/Bioinformatics Option – Co-operative Program)

Corbett, Katherine Ruth (Co-operative Program)

Cutting, Sarah Kristen (Co-operative Program) *

Dang, Jenny

de Rijke, Jill (Fine Arts Studio Minor – Co-operative Program) †

Dehal, Jaspreet Singh (Co-operative Program)

Demetraki-Paleolog, Meghan Amanda (Co-operative Program) †

Dib, Mustafa Zaher (Biotechnology Specialization/Bioinformatics Option) †

Dingelstad, Nadia Marie (Molecular Genetics Specialization/Bioinformatics Option – Co-operative Program) †

Djebah, Oghenero Elizabeth

Engelke, Elyse Diane (Co-operative Program)

Ford, Erin Sydney (Environmental Biology Specialization – Co-operative Program) *

Fung, Ashley Antonia (Medical Physiology Minor) †

Godinho Nascimento, Ana Catarina (Medical Physiology Minor)

Graham, Alyssa Kiara (Microbiology Specialization/Bioinformatics Option – Co-operative Program) †

Gratton, Blaise Alexander (Co-operative Program) †

Guo, Keyi (Co-operative Program) †

Hong, Andrea Thu Truc (Co-operative Program)

Huang, Alyssa Cheryl

* – Distinction

† – Dean's Honours

- Kandavel, Harini** (Co-operative Program) *
- Karunathilake, Dilma Sathmini** (Psychology Minor – Co-operative Program)
- Kaur, Siranjit**
- Kerney, Alexa Maya Lena** (French Minor – Co-operative Program)
- Kwon, Su-Hyun** (Biotechnology Specialization)
- Lam, Christina** (Microbiology Specialization – Co-operative Program) †
- Le, Denise** (Bioinformatics Option – Co-operative Program) *
- Lee, Derek** †
- Lopes, Nicola Monique** (Environmental Biology Specialization)
- Ly, Vivian** (Co-operative Program)
- Madorin, Emma Gabrielle** (Psychology Minor – Co-operative Program) †
- Mahmood, Fabiah** †
- Mahoney, Gracen Christina**
- Manderson, Baylee Alyssa** (Psychology Minor) *
- McKenzie, Emily Jean** (Co-operative Program) †
- Mim, Fairooj Homaira** (Bioinformatics Option – Medical Physiology Minor)
- Mistry, Anjali** (Bioinformatics Option – Co-operative Program) *
- Mohammadi Azad, Mithra** (Co-operative Program) *
- Mundy, Alexis Corinne** (Animal Biology Specialization – Co-operative Program) †
- Naim, Mahham Mohammed** *
- Neacsu, Diana** (Co-operative Program) *
- Ochoa Garrido, Susana** (Co-operative Program) †
- Okamoto, Kyle Yoshi Arthur**
- Panchalingam, Mailoan** (Microbiology Specialization – Co-operative Program) *
- Parris, Darrien Brandon** (Co-operative Program) †
- Patel, Deep** (Co-operative Program)
- Patel, Mahi Hareshkumar**
- Paton, Taylor Kristen** (Medical Physiology Minor – Co-operative Program) †
- Paul, Mereena** (Medical Physiology Minor – Co-operative Program)
- Peets, Fiona Melanie** (Parks Minor – Co-operative Program)
- Prasla, Samran Rahemtulla** (Molecular Genetics Specialization/ Bioinformatics Option – Co-operative Program)
- Qassim, Sabrina Khalid** (Psychology Minor – Co-operative Program)
- Rampersad, Akash Jeremy** (Bioinformatics Option)
- Ruest, Bailey Evan** (Microbiology Specialization – Co-operative Program)
- Sarbu, Ioana Veronica** (Animal Biology Specialization) †
- Sathananthan, Dishaani** (Co-operative Program)
- Sayanthan, Jepriya** (French Minor – Co-operative Program) *
- Schmalz, Lauren Elizabeth** (Co-operative Program)
- Schoneveld, Liam Douglas** (Co-operative Program) *
- Sen, Zalal** (Co-operative Program)
- Shakoor, Rabia** (Molecular Genetics Specialization – English Language and Literature Minor)
- Sharma, Manaswi** (Co-operative Program) †
- Singh, Dilraj**
- Sipicki, Ivona** (Plant Biology Specialization)
- Smith, Rachael Aiello** (Animal Biology Specialization)
- Solomon, Eden** (Medical Physiology Minor – Co-operative Program) *
- Soltanpour, Sadaf** (Anthropology Minor – Co-operative Program) *
- Suresh, Shujedhiga** (Applied Language Studies Minor) *
- Tam, Ethan** (Computing Minor)
- Tang, Eva** †
- Teixeira, Marcus Ridley** (Microbiology Specialization – Co-operative Program) †
- Thayaparan, Premika**
- Thiessen, Dominic Dmitre** (Microbiology Specialization/ Bioinformatics Option)
- Tran, Kelly** (Molecular Genetics Specialization/Bioinformatics Option – Co-operative Program) *
- Tripathi, Jasmine** (Bioinformatics Option – Co-operative Program) *
- Ubhi, Navjeet Kaur**
- Udayakumar, Suji** (Biophysics Minor – Co-operative Program) †
- Virgin, Taylor Lynn** (Microbiology Specialization – Co-operative Program) †
- Wang, You** (Bioinformatics Option – Computer Science Minor, Psychology Minor)
- Weber, Allison Veronica** (Medical Physiology Minor) *
- Wisniewski, Jana Helga** (Animal Biology Specialization – Anthropology Minor)
- Wong, Alicia Ruth** (Biotechnology Specialization – Co-operative Program)
- Wong, Geoffrey Ryan**
- Wong, Meghan Min Fen** *
- Xithalis, Daphne** (Microbiology Specialization – Co-operative Program)
- Yanke, Michaela Ann** (Chemistry Minor) †
- Zhang, Kai Tian** (Psychology Minor – Co-operative Program) †
- Zhu, Chen** *
- Zhu, Christine Yong-Lin** (Co-operative Program) *

HONOURS

BIOMEDICAL SCIENCES

Abdulle, Hamdi

Agboola, Simininuoluwa Olasubomi *

Al Hafi, Ladees alaa †

Alam, Namrah Khursheed †

Al-Shammari, Ahmed Abbas Najj †

Ang, Alyssa Eve Yuk Ting (Chemistry Minor) *

Anwar, Taseer Fatima

Arumugarasan, Arshana (Human Resources Management Minor)

Athithan, Panuya (Psychology Minor) *

Baghi Amiri, Noorollah (Medical Physiology Minor)

Bartha, Luke Kirk William (Psychology Minor) *

Bharti, Gazal *

Bodavula, Jayanjali †

Brazina, Miriam Christine (Chemistry Minor)

Budwal, Jessica †

Buzhaker, Eric Jonathan *

Chan, Lambert

Chan, Tinghin Clement

Cheema, Ramneek Kaur

Cheung, Aaron Chi-Hong (Medical Physiology Minor)

Chin, Ian (Bioinformatics Option)

* – Distinction

† – Dean's Honours

Cho, Rosalind Sei Hee (Psychology Minor) †

Chow, Taylor Jacqueline (Medical Physiology Minor)

Colaco, Patricia (Biomedical Sciences & Joint Honours Psychology) *

Constantino, Lei-Fiense Ligacion (Chemistry Minor) *

D'Andrea, Grant Evrett (Medical Physiology Minor)

Dosen, Nicholas Steven (Medical Physiology Minor) †

Fan, Ke Xin Karen †

Freeman, Ashley Catherine (Biophysics Minor) *

Gardiner, Victoria Mackenzie (Psychology Minor) *

Ghauri, Muhammad Salman

Gravina, Jenna Natalie (Psychology Minor) *

Greenfield, Nyden John (Medical Physiology Minor)

Guyn, Colm Mackenzie (Psychology Minor) †

Hafejee, Maryam Saleh (Medical Physiology Minor) *

Haider, Raza Muhammad (Psychology Minor) †

Hajjo, Ahmed

Haque, Alina Fatima (Medical Physiology Minor) *

Hasan, Khwaja Shahmir *

Ho, Cheuk Hei Harriet †

Huuskonen, Alma Marjatta Kathleen (Chemistry Minor) †

Huynh, Sarah (Psychology Minor) †

Isteita, Bader (Psychology Minor) †

Jeyagaran, Archana *

Jeyakularaja, Thakksha (Gerontology Minor) †

Jun, Marissa Rong Bei †

Jutlah, Emma Michelle Lily †

Karki, Sumina *

Katz, Margaret (Chemistry Minor) *

Kirkpatrick, Kimberley Anne †

Klassen, Abigail Joy (Anthropology Minor) *

Kurup, Chelsea Marie *

Kwan, Anthony Chi-Sing (Medical Physiology Minor)

Kwan, Braeden Jun-Sing †

Lam, Jordan †

Lau, Nasia *

Lee, Ho Lam Bryan (Medical Physiology Minor, Chemistry Minor) †

Lee, Kyler Marie (Psychology Minor)

Lee, Tsz Shan Jessica (Bioinformatics Option) *

Lee, Victoria Cheuk Yan (Philosophy Minor) †

Lee, William *

Lee, Yonghun †

Lekuti, Temitope Rafiat (Medical Physiology Minor) †

Luu, Jennise Karina (Medical Physiology Minor) †

Ma, Alan Hoang Trang (Management Studies Minor) †

MacKinnon, Sarah Amanda (Psychology Minor) *

McEwen, Zoen †

Meleka, Michael †

Melo, Andries Luis (Medical Physiology Minor) *

Nguyen, Tina Tu-Uyen

Nguyen, Trang Doan (Bioinformatics Option – Medical Physiology Minor) *

Niazi, Zahra Fatima

Nodder, Ryan Christopher *

Odunsi, Oluwademilade Fareeyat *

Ohiegbonwan, Aisosa Laura *

Omar, Hasieba Jamal (Biomedical Sciences & Joint Honours Psychology) *

Orellana, Kaidy Giselle *

Otundo, Wendy Kwamboka

Parikh, Shriya *

Park, Sehee (Medical Physiology Minor)

Patel, Dhanvi (Medical Physiology Minor) †

Patel, Fenny Chandreshkumar (Chemistry Minor)

Patel, Shrey Jignesh *

Pavlinich, David Michael †

Phillipopoulos, Vasiliki Celia (Aging Studies Option – Medical Physiology Minor) *

Pujols Calero, Abigail Natalie (Psychology Minor) *

Qaddourah, Zaid

Rahman, Naushin (Chemistry Minor, Medical Physiology Minor)

Rajaratnam, Harini (French Minor)

Rizk, Laila Diaa Essa †

Saeed, Ghazala *

Sandhu, Jasmine Kaur *

Sanganethy, Viveahan (Medical Physiology Minor)

Sathyamoorthi, Vaishavi (Psychology Minor) *

Sayers, Tyler Daniel †

Scott, Jessica Lauren *

Selvakumar, Anithra Rachel *

Sidhu, Gabriella Alves (Psychology Minor)

Sidhu, Harleen *

Singh, Anique (Medical Physiology Minor, Chemistry Minor) *

Singh, Arpanjot (Chemistry Minor) †

Sivaruban, Arish †

Sonder, Nicolas Matthias (Legal Studies Minor)

Steele, Brittany

Sweeney, Naseem Keiran

Tang, Vanessa Renee (Chemistry Minor) †

Tang, Zoe Tze Yue (Economics Minor) †

Thi, Fiona Lesly *

Trieu, Nancy Ka-Yee

Tseng, Nicholas Wei-Han (Gerontology Minor) †

Umapalan, Andrea Methila (Medical Physiology Minor, Gerontology Minor)

Vejayavarnan, Shajjan (Psychology Minor) †

Vong, Ivy Ellen (French Minor)

Widyaratne, Niduka (Medical Physiology Minor)

Wilson, Ethan Siu Yeung Shim †

Woo, Seungmin

Wu, Sixuan (Biomedical Sciences & Joint Honours Mathematics)

Yadav, Siddharth (Psychology Minor, Medical Physiology Minor)

Yesufu, Noyangbe Lilly (Human Nutrition Minor)

Yeung, Candice Tung †

Yogarasa, Achica *

Yu, Anna *

Zhou, Johnson Chi Fung (Medical Physiology Minor) †

HONOURS BIOTECHNOLOGY/ CHARTERED PROFESSIONAL ACCOUNTANCY

Bian, Lisa (Co-operative Program) *

Pranajaya, Ashley Dewiputri (Co-operative Program) †

Zhang, Kelly Yufei (Co-operative Program) *

Zhu, Isabel (Co-operative Program)

* – Distinction

† – Dean's Honours

HONOURS

BIOTECHNOLOGY/ECONOMICS

Chen, Crystal Yiwen (Co-operative Program) *

Cissé, Safyya Molami (Co-operative Program) *

Liu, Raymond (Co-operative Program) *

Lowery, Mitchell Anton Corak (Co-operative Program) †

HONOURS PSYCHOLOGY

Anwar, Sania (Human Resources Management Minor)

Arnold, Emily Rose (Co-operative Program) *

Baaj, Lyne †

Bailey, Hartleigh Alexandria (Biology Minor) †

Benson, Carly Marie †

Cheng, Jocelyn Yuet Ching (Biology Minor)

Cooper, Monica Eileen (Biology Minor) *

Dunning, Kiah Ling Shan

Goldszmidt, Rebecca Anne Brooks (Co-operative Program) *

Gray, Naomi Mulvina (Biology Minor, French Minor) *

Homann, Lauren Alexandra (Biology Minor) †

Karimjee, Batul Quresh (Biology Minor – Co-operative Program) *

Khan, Nusrat (Biology Minor)

Kostadinovska, Teodora *

Krsmanovic, Tiana (Biology Minor – Co-operative Program) *

Kundurthi, Sridevi (Biology Minor – Co-operative Program) †

Lo, Ka Lok (Human Resources Management Minor – Co-operative Program) *

Naseem, Sarah (Biology Minor) †

Qadeer, Saad Arif *

Rajabi Ghazvini, Rana (Biology Minor)

Reyes-Rodrigues, Pricila Elizabeth (Biology Minor) *

Rose, Shelby Claire (Biology Minor – Co-operative Program) †

Saint, Sidney Ann (Chemistry Minor – Co-operative Program) †

Sas, Andrei (Biology Minor – Co-operative Program)

Sewell, Isabella Jordan (Biology Minor – Co-operative Program) †

Shaker, Sarah (French Minor, Biology Minor) †

Syed, Faarea *

Tian, Jessica Xin (Biology Minor)

Ye, Connie Ho Yen (Medical Physiology Minor)

HONOURS SCIENCE AND BUSINESS

Aga, Danish Saleem

Alderson, Angela Leslie (Chemistry – Co-operative Program)

Aldridge, Paige Caitlyn Marie (Chemistry – Co-operative Program) *

Anwar, Sadaf (Mathematics Minor)

Arif, Irteza Saqlaindin (Bioinformatics Option – Co-operative Program)

Ariyaratna, Janeesha Chaturangi

Barretto, Alana Jr Ang

Baylon, Janica Isabel (Chemistry Minor – Co-operative Program)

Beauparlant, Tyler

Bushnaq, Laith Hany (Biology – Co-operative Program)

Cai, Xiaoying (Biochemistry)

Canning, Hayley Lindsay Taylor (Economics Minor – Co-operative Program) †

Chandrashekar, Divya (Physics – Mathematics Minor – Co-operative Program)

Chen, Julian (Earth Sciences Minor)

Chen, Yibing

Chow, Anton Man Him (Co-operative Program)

Clunies, Brianna Camille (Biochemistry – Economics Minor – Co-operative Program) *

Cordssen-David, Andrew Kevin *

Devendra, Tharike (Earth Sciences)

Dipede, Adrien Domenic (Chemistry Minor, Economics Minor – Co-operative Program)

Goulet, Nicholas Simionovich (Biotechnology – Co-operative Program) *

Guo, Chenyu †

Halim, Tricia (Economics Minor, Biology Minor – Co-operative Program)

Hoque, Lubaba (Biology – Co-operative Program)

Hsu, Jonathan Chia - Chun (Biochemistry – Co-operative Program) †

Huang, Jiarong (Biochemistry)

Hussain, Suhera (Chemistry – Co-operative Program)

Ignatovych, Anna (Biotechnology – Co-operative Program)

Jarv, Colleen (Biochemistry – Co-operative Program) *

Juvekar, Aaditya Prasad (Physics – Co-operative Program) *

Khan, Bushra Ahmad (Economics Minor)

Khanduja, Dhruv (Biotechnology – Economics Minor – Co-operative Program) *

Li, Jeremy (Earth Sciences Minor – Co-operative Program)

Merrick-Eker, Megan Emily (Co-operative Program)

Mundi, Simran (Co-operative Program) *

Niranjan, Kristaa (Biology – Human Resources Management Minor)

Paribello, Jonathan Joseph (Biology Minor – Co-operative Program)

Parikh, Smit (Economics Minor – Co-operative Program) *

Qassim, Leen (Biology)

Qutashat, Sarah (Biotechnology – Co-operative Program)

Roselli, Nicolas Ruggiero (Environmental Sciences – Co-operative Program)

Saiyid, Duaa Hasan

Sales, Jasmine Paz (Biotechnology – Economics Minor – Co-operative Program)

Sampath, Arun Balaji (Co-operative Program)

Sasitharan, Mithusha (Biochemistry – Economics Minor – Co-operative Program) *

Scott, Sophia Inez (Biochemistry – Co-operative Program)

Shaikh, Ammaarah (Economics Minor – Co-operative Program)

Shantharaj, Sharujan (Biotechnology – Co-operative Program)

Shen, Xue (Chemistry – Economics Minor – Co-operative Program)

Shi, Kaidi (Biology Minor – Co-operative Program)

Silveira, Klyen Joe (Biotechnology – Co-operative Program) *

Sivabalan, Ushanthiga (Biotechnology – Economics Minor – Co-operative Program)

Southon, Graeham Raphael (Co-operative Program)

Spurr, Jack Caldwell *

Starodub, Gabrielle Rose (Chemistry – Co-operative Program)

* – Distinction

† – Dean's Honours

Tan, Peiling (Co-operative Program)
Thyret, Samantha Elizabeth
(Biology Minor)
Truman, Kade Jeffery (Chemistry –
Co-operative Program)
Turnbull, Julia Jade (Co-operative
Program) *
Vansia, Shivanginiben Rajendrasinh
(Co-operative Program)
Wang, Ke Yuan (Co-operative
Program) †
Weng, Ying Li (Economics Minor –
Co-operative Program) *
Wilson, Kareana Patricia
(Economics Minor – Co-operative
Program)
Xiong, Chuxi (Economics Minor) *
Zhao, Kevin (Co-operative Program) *

DOCTOR OF OPTOMETRY

Ali, Rehanna Kristie Kavita †
Amaniampong, Claudia †
Aponso, Senuri Mithma †
Au, Yvonne †
Bajorek, Victoria †
Barnes, Joshua Robert †
Birnie, Victoria *
Bomboir, Tanisha Paige †
Brooking, Karley Michelle †
Chai, Sylvia *
Chau, Nicole *
Chen, Su Shan *
Cheung, Charmy Yee Hay *
Chow, Christine †
Chung, Alicia †
Collaku, Amina †
Continisio, Carmen Michael *
Dewi, Nirmala *
Diotte, Dustin Drake *
Easton, Nicole Marie †
Ebata, Katherine Miyuki †
Elliot, Mitchner *
Emmons, Sarah Elinor †
Fitzgerald, Amelia *
Gallant, Sarah Elizabeth †
Giraldo, Juan Manuel *
Gottschalk, Emily Helena *
Hajo, Sabrina *
Hao, Yu Qi *
Hill, Brooke †
Ho, Vaness †
Huang, Lucy Pingzhao †
Jacob, Talia Mary †
Kang, Sharon †
Kaumanns, Sydney Marie †
Kethees, Kobinaa
Kim, Nuri †
Kunic, Liam Hrvoje †
Lesage, Lauren Judith †
Letwin, Mitchell John *
Leung, Eric Pak Fai †
Leung, Jamie Wing Sum †
Li, Xiaojing †
Libfeld, Pamela Esther †
Lillywhite, Aisha Dawn †

Lo, Brittany Pui-Yee †
MacDonald, Melissa *
Macmillan, Alicia †
Mah, Cedrick †
Marck, Kaitlin Ann †
Masters, Laura Elizabeth †
Mercer, Kylie Nicole †
Mikhail, Blessy †
Moore, Jonah Daniel †
Napierski, Daniel Karol †
Palvetzian, Nicole Ashley
Pitre, Celine Alexandra †
Pok, Jun Jie Darwin
Pond, Gillian Dianne †
Prince, James Robert
Rajamohan, Arvin †
Rawana, Joshua Khaylon †
Ringel, Bethany Katelyn †
Ryken, Amanda Lynn †
Schoenberger, Kelly Ann *
Shafi, Aliya Afsha *
Shura, Oskar *
Sidhu, Davinder
Sidhu, Gurnir Kaur †
Sim, Grace †
So, Lena †
Sondershausen, Andrew Francis †
Sritharan, Anita †
Sutherland, Cole Millen *
Toth, Daniel John †
Tourlas, Konstantina Dina †
Valk, Lauren Margaret †
Wall, Shannon Michelle †
Whynot, Robyn Destiny Jade McLeod *
Wong, Jasper Tsz Kiu †
Wong, Jessica Sin Hyn †
Wood, Jessica Nicole †
Xiu, Qian Qian *
Yeung, Hannah Hoi Kay †
Yip, Tiana Corrine *
Zhang, Jenny Yichi *

DOCTOR OF PHARMACY

CO-OPERATIVE PROGRAM

Tompkins, Benjamin

DIPLOMA IN FRENCH LANGUAGE I

Lekuti, Temitope Rafiat

DIPLOMA IN FRENCH LANGUAGE II

Haque, Alina Fatima
Ochoa Garrido, Susana
Thi, Fiona Lesly
Udayakumar, Suji

DIPLOMA IN JAPANESE LANGUAGE II

Mohammadi Azad, Mithra

DIPLOMA IN KOREAN LANGUAGE I

Cho, Rosalind Sei Hee

DIPLOMA IN SPANISH LANGUAGE I

Patel, Fenny Chandreshkumar

CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

de Rijke, Jill
Kandavel, Harini
Sharma, Manaswi
Zhang, Kai Tian

CERTIFICATE IN EXPERIENTIAL EDUCATION

Ang, Alyssa Eve Yuk Ting
Budwal, Jessica
Constantino, Lei-Fiense Ligacion
Godinho Nascimento, Ana Catarina
Lekuti, Temitope Rafiat
Parikh, Shriya
Patel, Fenny Chandreshkumar
Sanganethy, Viveahan
Widyaratne, Niduka

CERTIFICATE IN GLOBAL EXPERIENCE

Turnbull, Julia Jade

* – Distinction

† – Dean's Honours

Outstanding Achievements

MEDALS AND AWARDS

UNIVERSITY FINALIST FOR THE GOVERNOR GENERAL'S GOLD MEDAL

Doctoral

Yannick Léandre Traoré (Fall 2021)

GOVERNOR GENERAL'S ACADEMIC SILVER MEDAL

Highest standing in an undergraduate degree program

Aviv Shaya Padawer-Blatt

THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Outstanding academic achievement

Taylor Lynn Virgin

AMIT AND MEENA CHAKMA AWARD FOR EXCEPTIONAL TEACHING BY A STUDENT

Amy Hiu Yan Chow

Melanie Asha Mungalsingh

Lalitasri Urja Nandivada

DEAN OF SCIENCE AWARDS

Creative research as presented in a Master's thesis

Biology – **Madison Elizabeth Brook**

Chemistry – **Randy Kyle Fletcher**

Earth and Environmental Sciences – **Grant William Hagedorn**

Optometry and Vision Science – **Vivian Wai Yen Chan** (Fall 2021)

Physics and Astronomy – **Kimia Mohammadi**

W.B. PEARSON MEDAL

Creative research as presented in a Doctoral thesis

Biology – **Jennifer Ann Aguiar**

Chemistry – **Michael Robert Noden**

Optometry and Vision Science – **Amy Hiu Yan Chow**

Pharmacy – **Paul Ravi Vijh Malik** (Fall 2021)

Physics and Astronomy – **Jie Lin**

ST. JEROME'S UNIVERSITY – ZACH RALSTON AWARD FOR ACADEMIC EXCELLENCE AND COMMUNITY CONTRIBUTIONS

Michael Meleka

Waterloo brings home the gold

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

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

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



GO INSIDE THE LAB AT
uwaterloo.ca/impact-stories/new-gold-medals

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

Our tradition of regalia

THE GOWN

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

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

THE HOOD

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

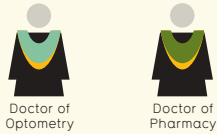
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

Academic Dress

BACHELOR'S



PROFESSIONAL DOCTORATE



MASTER'S



DOCTORAL



CONVOGATION



uwaterloo.ca

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