ONE HUNDRED AND TWENTY-SEVENTH CONVOCATION

CONVOCATION

FRIDAY

OCT 20

2023

Morning Ceremony

FACULTY OF MATHEMATICS

Afternoon Ceremony

FACULTY OF HEALTH

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

**FRIDAY, OCTOBER 20, 2023**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONGRATULATIONS</strong></td>
<td></td>
</tr>
<tr>
<td>Message from the Chancellor</td>
<td>2</td>
</tr>
<tr>
<td>Message from the President and Vice-Chancellor</td>
<td>3</td>
</tr>
<tr>
<td>Message from the Alumni Council Chair</td>
<td>4</td>
</tr>
<tr>
<td><strong>OUR TRADITION OF CONVOCATION</strong></td>
<td></td>
</tr>
<tr>
<td>A Calling Together</td>
<td>5</td>
</tr>
<tr>
<td>Connecting with Tradition</td>
<td>5</td>
</tr>
<tr>
<td>The Procession</td>
<td>6</td>
</tr>
<tr>
<td>The Mace</td>
<td>6</td>
</tr>
<tr>
<td>The Coat of Arms and Motto</td>
<td>7</td>
</tr>
<tr>
<td>Degrees and Honorary Degrees</td>
<td>7</td>
</tr>
<tr>
<td><strong>A NEW TRADITION</strong></td>
<td></td>
</tr>
<tr>
<td>Eagle Staff</td>
<td>8</td>
</tr>
<tr>
<td><strong>DISTINGUISHED UNIVERSITY MEMBERS AND AWARDS</strong></td>
<td></td>
</tr>
<tr>
<td>Honorary Doctorates</td>
<td>9</td>
</tr>
<tr>
<td>Honorary Members of the University</td>
<td>10</td>
</tr>
<tr>
<td>Guest Speaker</td>
<td>12</td>
</tr>
<tr>
<td><strong>MORNING CEREMONY</strong></td>
<td></td>
</tr>
<tr>
<td>Graduate Degrees – Faculty of Mathematics</td>
<td>14</td>
</tr>
<tr>
<td>Undergraduate Degrees – Faculty of Mathematics</td>
<td>17</td>
</tr>
<tr>
<td>Outstanding Achievements</td>
<td>22</td>
</tr>
<tr>
<td><strong>AFTERNOON CEREMONY</strong></td>
<td></td>
</tr>
<tr>
<td>Graduate Degrees – Faculty of Health</td>
<td>24</td>
</tr>
<tr>
<td>Undergraduate Degrees – Faculty of Health</td>
<td>26</td>
</tr>
<tr>
<td>Graduate Degrees – Faculty of Science</td>
<td>28</td>
</tr>
<tr>
<td>Undergraduate Degrees – Faculty of Science</td>
<td>30</td>
</tr>
<tr>
<td>Outstanding Achievements</td>
<td>34</td>
</tr>
<tr>
<td><strong>OUR TRADITION OF REGALIA</strong></td>
<td></td>
</tr>
<tr>
<td>The Gown</td>
<td>36</td>
</tr>
<tr>
<td>The Hood</td>
<td>36</td>
</tr>
</tbody>
</table>
As Chancellor of the University of Waterloo, it is my honour to preside over today’s ceremony. Today, we welcome representatives from our community including faculty, staff and alumni to share in and celebrate the achievements of our graduates.

The University of Waterloo was established in extraordinary times, and as a result it continues to be a place that nourishes the values and character that make up extraordinary leaders. This is particularly relevant as today, we are living in extraordinary times – in the midst of a climate and energy transition, significant geopolitical change, and profound technological change – this is Waterloo’s time.

I believe that the University of Waterloo is a special institution encompassing a community of faculty, students and graduates who are more prepared for change and a shifting future than many others in the world.

Convocation is a significant milestone in life. It also marks our graduates’ transition to becoming our newest alumni members, extending the University of Waterloo community’s reach globally. Since the institution’s inception in 1957, we have conferred more than 244,000 degrees and certificates. Our alumni community extends to over 150 countries and are a committed and supportive network.

When I look across our campuses and beyond, I see impactful innovations coming to fruition. Examples include using quantum to improve MRI capabilities in health care, finding new methods to combat the spread of misinformation, and integrating AI more seamlessly into a variety of critical applications such as resource usage, manufacturing, research development and knowledge development.

We are a community of innovative leaders who seek out ways to solve the big problems of our time. From best-selling poets to NASA researchers and venture capitalists, Olympians to CEOs of multi-national corporations and leading environmentalists, we are providing the world with more Waterloo, and it is making the world a better place.

I believe that the world needs Waterloo graduates to harness all their experiences to lead and shape the future. The exceptional knowledge and creativity they have honed at the University of Waterloo has prepared them to be the leaders the world needs.

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

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

DOMINIC BARTON
Chancellor

“FROM BEST-SELLING POETS TO NASA RESEARCHERS AND VENTURE CAPITALISTS, OLYMPIANS TO CEOs OF MULTI-NATIONAL CORPORATIONS AND LEADING ENVIRONMENTALISTS, WE ARE PROVIDING THE WORLD WITH MORE WATERLOO, AND IT IS MAKING THE WORLD A BETTER PLACE.”
Message from the President and Vice-Chancellor

On behalf of the staff and faculty at the University of Waterloo, I am thrilled to welcome our graduates and their family, friends and supporters to convocation.

To our graduates, my heartfelt congratulations. Today’s ceremony recognizes your hard work and perseverance during your time at the University of Waterloo. You cross the stage today having gained more than the lessons learned in the classroom, library or lab. You have built relationships and forged networks with peers and instructors. Those connections are the basis of a vibrant and expansive community at the heart of our institution’s rich history and its success to date. As you transition from student to alumni, I hope you each will continue to stay connected to the Waterloo community.

To the family, friends and supporters of our graduates, thank you. Thank you for supporting our students and encouraging them along their academic journey. And thank you for being here today – this ceremony is more meaningful as a result of everyone’s participation.

In the 1950s, the founders of the University of Waterloo sought to establish a university that was different. An institution that embraced community and an unconventional way of identifying and solving big, complex challenges facing the world. That same spirit exists across our campuses today. It also continues through the work of our global network of alumni. The graduates leaving our campuses today have the opportunity to lead and be change-makers who can help address the challenges of tomorrow and build a better future for humanity and our planet.

Waterloo graduates are known for integrating knowledge and problem-solving across disciplines. They are known for their courage and resiliency. Above all, they are known for approaching challenges in unique ways and uncovering innovative solutions. I look forward to hearing about the innovations and impact today’s graduates will have on their communities in the future.

Convocation is a wonderful reminder that we all have an opportunity, and a responsibility, to positively impact those around us. Let’s all work together to help shape the world for the better.

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

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 Chair

Congratulations Class of 2023!

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

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

As you look ahead to the next phase of your life, I’m confident that your time at Waterloo has prepared you well. You have the expertise, creativity and resourcefulness to tackle whatever problem you choose. Although this is an especially uncertain time to graduate, it is also a very exciting one. Longstanding practices are changing and there is opportunity for new ideas to break through.

Welcome to a network of more than 244,000 alumni, connected by their experiences at Waterloo.

Throughout your career, I encourage you to stay connected to your alumni community. There are more than 244,000 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.

DIANA VANGELISTI
BES ’84 MA ’89
Chair, University of Waterloo Alumni Council

“THERE ARE MORE THAN 244,000 OF US AND WE ARE HERE TO SUPPORT YOU AS YOU WORK TOWARDS YOUR GOALS.”
Our tradition of convocation

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

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

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

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

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

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

A CALLING TOGETHER

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

CONNECTING WITH TRADITION

At Waterloo’s first convocation in June 1960, the guest speaker was James J. Talman of the University of Western Ontario, who told the audience a little about the history of Waterloo County and its industry.

“The greatest resource we still have is the minds of the people” Talman said, “And this resource still remains to be developed to its full potential. The people of the Grand Valley clearly appreciate this fact. As we see the success with which they developed the physical resources in the past we can only conclude that they will be just as successful in developing the intellectual resources of the future. The University of Waterloo can look forward to a brilliant and successful future.”
THE PROCESSION

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

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

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

THE MACE

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

The symbolic theme of the mace is unity amid diversity, and tension in the creative intellectual process that strive to bring forth a new individual. The design of the mace interprets this theme in the idiom of the life process: from the seeds at the base of the stave the mace grows in unity and strength until it differentiates by a four-fold separation into diverse elements.
THE 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, Conrad Grebel University College, Renison University College, St. Jerome's University and United College.

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

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

EAGLE STAFF

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

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

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

The Eagle Staff honours the University’s First Nations, Métis and Inuit community members, as well as their traditions, cultures and strengths. It is a sacred item that holds a spirit within itself that is cared for by the Indigenous campus community, and that care is reciprocated by the Eagle Staff.

Waterloo region is situated on territory traditionally shared by Anishinaabeg, Neutral (or Attawandaron), and Haudenosaunee Nations. Though many nations, including the Anishinaabeg, involve an Eagle Staff in their traditions and practices, we respectfully acknowledge that this is not the practice of all nations. With gratitude, we honour and celebrate the unique traditions of all First Nations, Métis and Inuit peoples, and look forward to reflecting this diversity in spirit and custom as we move forward on this path of decolonization, indigenization, and reconciliation.

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

VIVEK GOEL

President and Vice-Chancellor
Honorary Doctorates

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

**DAVID JOHN HAND**
MA, MSc, PhD
Doctor of Mathematics, *honoris causa*
**FRIDAY, OCTOBER 20 / MORNING CEREMONY**

Dr. David Hand (OBE) is Senior Research Investigator and Emeritus Professor of Mathematics at Imperial College, London, as well as Chief Scientific Advisor to Winton Capital Management. Hand is a Fellow of the British Academy, an Honorary Fellow of the Institute of Actuaries, and, in 2013, was made an Officer of the Most Excellent Order of the British Empire for his services to research and innovation. He has authored or co-authored more than 300 scientific papers and 20 books, and his research has garnered him numerous awards including a Research Merit Award from the British Royal Society.

**ALISON PHIPPS**
OBE, PhD
Doctor of Letters, *honoris causa*
**SATURDAY, OCTOBER 21 / MORNING CEREMONY**

Dr. Alison Phipps (OBE) is professor of Languages and Intercultural Studies at the University of Glasgow and UNESCO Chair in Refugee Integration through Languages and the Arts. Author of eight books and over 60 articles, her research and teaching focus on refugee studies, social justice, and intercultural education. She is an active supporter of refugee rights, having served on the board of Right to Remain and as co-founder of the Glasgow Refugee, Asylum and Migration Network. Phipps is a Fellow of the Royal Society of Arts, the Academy of Social Sciences, and a recipient of the Royal Philosophical Society’s Minerva Medal.

**WEIYA XU**
PhD
Doctor of Engineering, *honoris causa*
**SATURDAY, OCTOBER 21 / AFTERNOON CEREMONY**

Dr. Weiya Xu is the former vice-president at Hohai University, and is a highly acclaimed researcher in engineering rock mechanics. Through fundamental, theoretical, computational, and experimental research, Xu developed an innovative and realistic system of theory and associated methods and made several seminal contributions to theory and practice. His pioneering contributions include the study of coupled thermal, hydraulic, mechanical, and chemical processes.
Honorary Members of the University

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

Scott William Davis
BES, MA
Co-operative and Experiential Education
FRIDAY, OCTOBER 20 / MORNING CEREMONY

Scott Davis has had an outstanding career, spanning over 35 years within co-operative education. His work as a program coordinator supported thousands of students in their learning, and as faculty relations manager he collaborated with associate deans on program reviews, new program development, and problem-solving student cases. Davis joined the Risk Management, Economic and Actuarial Science Development in Indonesia project which resulted in the Indonesian government adopting co-operative education as a recognized model of education. Outside of the University, he served on the board of Experiential & Work Learning Ontario (EWO) as chair, was active with Co-operative Education and Work Integrated Learning Canada (CEWIL CANADA), and was chair of the Accreditation Council.

Karen Trevors
BSc, MSc
Faculty of Science
FRIDAY, OCTOBER 20 / AFTERNOON CEREMONY

Karen Trevors received a Bachelor of Science Honours degree in Biology from Acadia University in 1979 and a Master of Science degree in Biology from the University of Waterloo in 1981. Trevors was hired as an instructor in the Department of Biology at the University of Waterloo in 1981 and worked in that capacity until 2000 when she was hired as executive officer in the Faculty of Science. She remained in that role for the rest of her career at Waterloo. Trevors also served on many University committees, including staff relations, staff dispute resolution, joint health and safety, staff grievances, and honorary degree. Trevors retired from the University in 2023.
WILLIAM CHESNEY
BFA
Faculty of Arts
SATURDAY, OCTOBER 21 / MORNING CEREMONY

William Chesney joined the Department of Communication Arts (formerly the Department of Drama and Speech Communication) in 1993 and served as associate dean of undergraduate studies from 2007 to 2019. An innovative researcher and practitioner of stagecraft, he produced over 80 set and costuming designs at the University as well as for countless productions across Canada. Chesney is highly regarded for his teaching and mentorship, especially in helping students realize their artistic vision. He led the Faculty of Arts in transforming its curriculum to better meet student needs. Chesney is a tireless advocate for the fine and performing arts, and effectively championed their societal contributions at the university and beyond.

DENNIS HUBER
BBA, CPA
Administration and Finance
SATURDAY, OCTOBER 21 / AFTERNOON CEREMONY

As the longest serving vice-president in the University of Waterloo’s history, Dennis Huber played an integral role in supporting the evolution of Waterloo into the world-class institution of higher learning we know today. Arriving at Waterloo in 1986 as a plant operations manager, he rose to become director of Business Services, then associate provost, general services and finance and finally, in 2001, vice-president, administration and finance. Thanks to his tireless efforts, Waterloo acquired an additional 50 acres of lands and buildings, its facilities more than doubled in size and it opened four satellite campuses. His leadership was instrumental in the development of the David Johnston Research + Technology Park on the University’s north campus, as well as the interconnection of most buildings within the ring road. In every aspect of his work, Huber promoted responsible and sustainable stewardship of the University’s financial and physical assets. Retiring last fall after 36 years of outstanding service, he left a lasting mark on Waterloo.
Guest Speaker

MARGARET MUTUMBA
BSc, MPH, PhD '21
School of Public Health Sciences
FRIDAY, OCTOBER 20 / AFTERNOON CEREMONY

Dr. Margaret Mutumba is a global health innovator focused on access to affordable healthcare in low resource settings. She has over 10 years of health sector management experience in Sub-Saharan Africa. She also has research experience in maternal, reproductive, fertility and health systems. Mutumba has proven success in health innovation and entrepreneurship. She possesses a strong ethos of equity, evident in actions that support diversity, inclusion, and anti-racism. Mutumba earned an Honours Bachelor of Science, Pharmacology, Kings College London; a Master of Public Health, Imperial College London, and a Doctorate in Public Health Sciences, University of Waterloo. She is program director at Frugal Medical Innovations at Western University.
MORNING CEREMONY

Degrees and diplomas from:
UNIVERSITY OF WATERLOO
FACULTY OF MATHEMATICS
DOCTOR OF PHILOSOPHY

Campbell, Jacob (Pure Mathematics) “Finitary Approximations of Free Probability, Involving Combinatorial Representation Theory”
da Silva Portugal, Ivens (Computer Science) “Graph-Based Spatial-Temporal Cluster Evolution: Representation, Analysis, and Implementation”
Daly, Padraig Conor (Pure Mathematics) “Quantum Superchannels on the Space of Quantum Channels”
Dockhorn, Tim Ull (Computer Science) “Accelerating and Privatizing Diffusion Models”
Hou-Liu, Jason (Statistics) “Structured Mixture Models”
Jain, Aditya (Applied Mathematics - Quantum Information) “Improved Diagnostics & Performance for Quantum Error Correction”
Jiang, Ruohong (Actuarial Science) “Several Mathematical Problems in Investment Management”
Jiang, Zhiyong (Computer Science) “Less is More: Restricted Representations for Better Interpretability and Generalizability”
Kacsman, Bailey (Computer Science) “Perceptions and Practicalities for Private Machine Learning”
Levit, Maxwell (Combinatorics and Optimization) “Graph Coverings With Few Eigenvalues or No Short Cycle”
Liang, Zhanlue (Applied Mathematics) “Formation Control of Multi-Agent Systems via Impulsive Strategy”
Masson, Damien Paul Andre (Computer Science) “Transforming the Reading Experience of Scientific Documents with Polymorphism”
Meaney, Cameron Francis (Applied Mathematics) “Applications of Deep Learning to Differential Equation Models in Oncology”
Mohammadrezaei, Dorsa (Applied Mathematics) “Integrating Experimental and Computational Approaches to Optimize 3D Bioprinting of Cancer Cells”
Paul-Paddock, Connor James (Combinatorics and Optimization - Quantum Information) “Near-Optimal Quantum Strategies for Nonlocal Games, Approximate Representations, and BCS Algebras”
Pirnia, Shahab (Statistics) “Enhanced Backward Multiple Change-Point Detection”
Radke, David Thomas (Computer Science) “The Impact of Teams in Multiagent Systems”
Redlin Hume, Shayla Annalise (Combinatorics and Optimization) “Enumerating Matroid Extensions”
Sawatzky, John Michael (Pure Mathematics) “Mind the GAP: Amenability Constants and Arens Regularity of Fourier Algebras”
Sharma, Charupriya (Computer Science) “Improved Scalability and Accuracy of Bayesian Network Structure Learning in the Score-and-Search Paradigm”
Sharp, Alexander Byron (Statistics) “Functional Finitely Mixture Modelling and Estimation”
Sheshbolouki, Aida (Computer Science) “Mining Butterflies in Streaming Graphs”
St-Pierre, Catherine (Computer Science) “Algorithms in Intersection Theory in the Plane”
Tian, Yongqiang (Computer Science) “Assessing the Reliability of Deep Learning Applications”
Tsimiklis, Panagiotis (Applied Mathematics) “Higher Gauge Theory and Discrete Geometry”
Vukovic, Andrej (Pure Mathematics) “Divisibility of Discriminants of Homogeneous Polynomials”
Wang, Guiqi (Actuarial Science) “Characterizing, Optimizing and Backtesting Metrics of Risk”
Wu, Kaiyu (Computer Science) “Succinct and Compact Data Structures for Intersection Graphs”
Xie, Yuqing (Computer Science) “Information Access Using Neural Networks for Diverse Domains and Sources”
Yeh, Chi-Kuang (Statistics) “Methods in Functional Data Analysis: Forecast Evaluation, Robust Serial Dependence Measures and Spatial Factor Copula Models”
Yeh, Yen-Ting (Computer Science) “Investigating New Forms of Single-Handed Physical Phone Interaction With Finger Dexterity”
Yin, Mingren (Actuarial Science) “Risk Measures of Stop-Loss and Limited Loss Random Variables Under Model Uncertainty With Applications in Insurance”
Zhu, Wenhao (Computer Science) “Using Crowd-Based Software Repositories to Better Understand Developer-User Interactions”

MASTER OF ACTUARIAL SCIENCE

Banjo, Rilwan Glayemi Bhatia, Sanchita Cai, Shiyu Chen, Zimo Claudia, Stelanie Ghosh, Siddhartha Hu, Xiaoxuan Kao, Eugene Khurana, Yashita Shu, Yuou Wang, Xiaohan Yu, Jie Yuan, Tingyue Yuen, Cheuk Hei

MASTER OF DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

Isilak, Alaattin Ren, Qingze (Co-operative Program)
MASTER OF MATHEMATICS
Anis Kamel, Haya Sherif Mohamed (Actuarial Science)
Arora, Divyang (Computer Science)
Arumugam, Krishna Kanth (Computer Science)
Asare, Owura (Computer Science)
Bader, Laura (Statistics)
Basilizadeh, Soroosh (Computer Science)
Bhowmik, Rohan (Computer Science – Co-operative Program)
Boldt, Vincent (Pure Mathematics)
Boos, Tanner James (Pure Mathematics)
Burmaster, Daniel James (Biostatistics – Co-operative Program)
Burnett, Laindon Codie (Pure Mathematics)
Cai, Xiyu (Computer Science)
Campbell, Adam (Computer Science)
Chambers, Owen Clark (Computer Science)
Chen, Jing Xuan (Pure Mathematics)
Chen, Qianyu (Actuarial Science)
Chen, Sijie (Statistics)
Chen, Xiang (Computer Science)
Chen, Yushan (Statistics)
Chen, Zheyu (Actuarial Science)
Clark, Daniel Samuel Zeldin (Pure Mathematics)
Cookson, Samuel Robert (Pure Mathematics)
Crane, Matthew James (Actuarial Science)
Dai, Dongshu (Pure Mathematics)
Diaz Robles, Martin Fernando (Applied Mathematics)
Duan, Xiaohue (Computer Science)
Ebrahimianghazani, Faezeh (Computer Science)
Ebtetaj, Mohammad Hossein (Computer Science)
El Yassini, Ismael (Pure Mathematics)
El Said, Ali (Statistics)
Ghasemipanaheri, Shadi (Computer Science)
Gold, Jonathan Seth (Combinatorics and Optimization)
Gong, Rui (Combinatorics and Optimization)
Guo, Qing (Computer Science – Co-operative Program)
Hatifi, Arman (Computer Science)
Haithcock, Evan Moore (Combinatorics and Optimization)
Hakimi, Shervin (Applied Mathematics)
Han, Young In (Pure Mathematics)
Hao, Wenhao (Actuarial Science)
Hasan, Mohsin (Computer Science)
Hildred, Joshua Thomas (Computer Science)
Hough, Matthew James (Combinatorics and Optimization)
Hu, Wei Qi (Computer Science)
Huang, Huangting (Data Science)
Hui, Ying Kit (Computational Mathematics – Co-operative Program)
Jiang, Kaiwen (Applied Mathematics – Co-operative Program)
Jin, Ende (Computer Science)
Karras, Michael Emad (Computer Science – Co-operative Program)
Kashi, Tejasvi Girish (Computer Science)
Ke, Xinyi (Statistics)
Kong, Xiangshan (Statistics)
Kumar, Prasanna (Computer Science)
Kunze, Amelia Grace (Applied Mathematics)
Lakerdas-Gayle, Joey Angelo (Pure Mathematics)
Lawrence, Paul Eli (Combinatorics and Optimization)
Lawrence, Steven (Computer Science)
Lee, Dongha (Actuarial Science)
Li, Zhengyu (Computational Mathematics)
Liu, Hanming (Pure Mathematics)
Lu, Jing Ya (Actuarial Science)
Lyu, Yue (Computer Science)
McIntyre, Stephanie Renee (Computer Science)
McQuay, Pratichca Liam (Pure Mathematics)
Mehra, Kanav (Computer Science)
Mudaliar, Ravi (Pure Mathematics)
Olaiya, Funmilayo Elizabeth (Computer Science)
Penaloza, Emiliano (Statistics)
Platkowski, Steven Daniel (Pure Mathematics)
Pyatt, Nolan Robert (Pure Mathematics)
Qunaibi, Sara M. (Computer Science)
Racine, Vincent (Computational Mathematics)
Raisolsadat, Seyed Amir Ali (Computational Mathematics)
Rambidis, Andrew (Data Science)
Regehr, Andrew (Pure Mathematics)
Rowe, Luke Oliver (Computer Science)
Salm, Veronica Catherine (Computer Science)
San Juan, Justin David Quintalig (Computer Science)
Sanjaya, Gian Cordana (Pure Mathematics)
Sarangian, Varnan (Statistics)
Sayultina, Alisa (Combinatorics and Optimization)
Sharma, Pravek (Combinatorics and Optimization)
Steckel, Camryn Anna (Combinatorics and Optimization)
Sun, Lingyin (Statistics)
Takigawa, Akhiro (Applied Mathematics)
Van Wyk, Jacques Gideon (Pure Mathematics)
Waheed, Asim (Computer Science)
Wong, Gerrit Yik Kit (Pure Mathematics)
Xu, Jenny (Pure Mathematics)
You, Yuzhe (Computer Science)
Yu, Xueyao (Computer Science)
Zeng, Zhili (Computer Science)
Zhang, Kewei (Actuarial Science)
Zhang, Shuyang (Computer Science)
Zhang, Yueheng (Computer Science)
Zhao, Gaosen (Computer Science)
Zhao, Yaoyu (Computer Science)
Zia, Owen Thomas (Computer Science)
Zou, Shengbo (Computational Mathematics)

MASTER OF MATHEMATICS FOR TEACHERS
Barrie, Jessica Christine
Brandt, Charliene Sandra
Brunswick-Werner, Rebecca
Carter, Anthony
Deal, Marilu Irene
Eakin, Robert
Ellis, David Raymond
Elser, Andrea Melissa
Fountaine, Laurent Gerard
Frost, Alec James
Gooden, Fleur Nyerre
Hamm, Allison Renae
Head, Michelle
Hided, Valentina
Ibrahim, Jawad Abdusebur Yusuf
Krawchuk, Dawn
LeBlanc, Robin Bernard
Lee, Jieun
Lewis, Jeremy Donald
Lilliman, Anna
Marbben, Christie
McCowan, Daniel Alexander
McCulloch, Amanda Lee
Nielsen, Emily Caroline
Poirier, Ellen Frances
Power, Sheila Rebecca
Qin, Yanqiu
Rice, David Harlow
Rose, Stephanie Lynn
Rutt, David
Scott, Jake Victor
Spector-Sprague, Julie
Tayel, Eman Mohamed
Vakharia, Jadon
Whitters, Kathleen Elizabeth
Winter, Amanda Leanne
Zhang, Xin

GRADUATE CERTIFICATE
Ganjidoost, Ehsan (University Teaching)
Hagar, Luke Montana (University Teaching)
BACHELOR OF COMPUTER SCIENCE

HONOURS PROGRAM
Arezina, Marko *
Bains, Jashandeep Justin
Birsan, Andre *
Budathoki, Nikhil
Chan, Jaclyn *
Chaudhry, Muhammad Fayk (Business Administration and Computer Science) †
Chen, Xiaoyang †
Cheng, Xinru †
Chopra, Padam †
Cui, Zhifeng (Statistics Minor)
D’Costa Ulicki, Clarisse Rani (Business Administration and Computer Science – Combinatorics and Optimization Minor)
Fenton, Oliver Blair *
Froggatt, Matthew John (Business Administration and Computer Science) *
Gu, Lingwei *
Hogan, Luke Sandhi (Business Administration and Computer Science)
Hu, Wenyi (Human-Computer Interaction Specialization) †
Huang, Yipeng (Business Administration and Computer Science) *
Jin, Daniel Qi †
Khajuria, Krishna (Business Administration and Computer Science)
Kim, Sujin
Kundu, Sajik *
Lee, Taegoon
Li, David (Business Administration and Computer Science) *
Lu, Allen †
Luu, Kelvin (Business Option)
Lyu, Yanlong *
Mahmoudian Bidgoli, Arash (Combinatorics and Optimization Minor) †
Makkar, Aviral (Business Administration and Computer Science) †
Mark, Lindsay Gardiner (Business Administration and Computer Science) *
Mcgale, Christopher William (Business Administration and Computer Science) *
Mithani, Sanjani (Business Administration and Computer Science) *
Mohamed, Yousef Ahmed Badawi (Business Administration and Computer Science) *
Ning, Youming
Phan, Thanh Duy *
Ren, Jialong (Business Administration and Computer Science)
Sandhu, Jaspree Singh (Business Administration and Computer Science – Software Engineering Specialization) *
Sootha, Ishani (Business Administration and Computer Science)
Tamber, Manveer Singh †
Wang, Haitan †
Wei, Alan Yichen (Business Administration and Computer Science)
Xu, Minqi *
Xu, Yanqi
Yang, Jinhan *
Zakhthinos, Hannah Elizabeth (Business Administration and Computer Science/Human-Computer Interaction Option) *
Zangoulos, Timotheos (Business Administration and Computer Science)
Zdane, Ivan
Zhu, Xiaoyu (Pure Mathematics Minor) †

HONOURS CO-OPERATIVE PROGRAM
Abbatangelo, Antonio (Business Administration and Computer Science)
Amirthraj, Bharath †
Bean, Madison Michele (Psychology Minor) *
Beech, Micah Samuel Lebold *
Bhagat, Kush Ashish †
Bhopalisingh, Marc Ravendra
Bordioug, Anna (Business Administration and Computer Science) *
Buratynski, Quinn Jeffrey
Chen, Lucas Xia *
Chen, Luo Jia (Business Administration and Computer Science) *
Chi, Kai Yuan (Combinatorics and Optimization Minor, Computational Mathematics Minor) *
Choi, Sanghyun *
Cui, Kenneth
Dawda, Harsh Bharat (Business Administration and Computer Science) †
Dhaliwal, Jusdeep Singh
Dimri, Tanavaya *
Dobreanu, Bogdan Alexandru (Business Administration and Computer Science) *
Feng, David *
Ge, Xinhao †
Gotovsky, Katherine Shaina (Business Administration and Computer Science) *
Gua, Amanda (Human-Computer Interaction Specialization) †
Hadfield, Cameron Mackenzie Lammert
Hu, Pan
Jhanji, Abhishek
Jiang, Li †
Johnson, Gillian Leigh (Business Administration and Computer Science) *
Jung, Jun Young
Kedia, Vedant Manoj *
Khair, Snehit Parag
Khomasurya, Egan (Human-Computer Interaction Specialization)
Kollins, Trevor Dylan *
Kothari, Arihant
Laaks, Troy Kelly *
Lam, Matthew (Human-Computer Interaction Specialization) †

* – Distinction
† – Dean’s Honours
Lao, Darren *
Lawson, Luke Isaac Campbell †
Lee, Hak Joon *
Li, Benjamin Beiming
Li, Leon *
Li, Yuan Rui
Li, Yuchen *
Liang, Skylar Samson
Liu, Jack Yimin †
Liu, Yi Nuo (Business Administration and Computer Science) *
Lu, Yi (Software Engineering Specialization) †
Manji, Jenna
Marin, Claudia (Business Administration and Computer Science) †
Meng, Yanchen †
Meng, Yutong (Business Option) †
Minhas, Haskeerat Constien (Joint Computer Science & Joint Honours Pure Mathematics & Joint Honours Biology & Joint Honours Legal Studies) *
Mohebbi, Mohammad Hossein (Human-Computer Interaction Option) †
Nie, Haojia (Economics Minor) †
Ou, Kevin
Parikh, Dev Mehul (Artificial Intelligence Specialization) †
Peet, David Alexander †
Qiu, Kai Ming *
Ramnarine, Cyanne Chalisa *
Rukun, Yunis
Saboo, Naomy Nancy (Business Administration and Computer Science) †
Salman, Muhammad Sajjad
Sanctis, Keegan Marsh (Economics Minor)
Sawhney, Vardan (Entrepreneurship Minor)
Sebastiampillai, Johan Priyanth *
Sen Majumder, Emon (Business Administration and Computer Science) *
Shan, Maggie (Business Administration and Computer Science)
Shapiro, Oren Denis *
Sharma, Ajay Kush *
Tahmid, Sheikh Abrar *
Tan, Jerry Xiangrui *
Wahyudi, Benedict Tobias Henokh (Combinatorics and Optimization Minor) *
Wang, Cheng Yu *
Wang, Jingcheng (Data Science) †
Wang, Steven Ling-Yu
Wong, Angie Pui Yung (Actuarial Science Minor) †
Yang, Yilan (Economics Minor) †
Yi, Frank Zhengshao †
Yip, Ashley Kevina (Business Administration and Computer Science) *
Yu, Xin Ran †
Yu, Yue (Psychology Minor) *
Zhang, Gan Lu †
Zhang, Yueran *
Zhao, Yunlong (Business Administration and Computer Science)
Zhong, Yang †
Zou, Michael Y

BACHELOR OF MATHEMATICS

GENERAL PROGRAM – THREE YEAR
Agarwal, Vinayak
Cheng, Ming
Daley, Alicia Lottina
Hao, Ge
Jeong, Min Kyu
Klotz, Jeremy
Lu, Ruixi
Raza, Syed Hussain
Wang, Tong
Wang, Zhongtian
Xu, Yuanyuan
Yang, Yuxin

GENERAL CO-OPERATIVE PROGRAM – THREE YEAR
Babar, Muhammad Haseeb
Blackman, Nekelsa Kizzie

HONOURS PROGRAM
Ahuja, Kanav (Business Administration and Mathematics – Computing Minor)
Angelina, Veronica Christina (Business Administration and Mathematics) *
Boccalon, David Adam (Mathematical Studies) *
Buganan Soares, Chloe (Business Administration and Mathematics – Computing Minor) *
Chang, Yixin (Computer Science – Statistics Minor) *
Chanprasit, Napassorn (Business Administration and Mathematics – Combinatorics and Optimization Minor, Statistics Minor) *

Chen, Yuxuan (Mathematics/ Business Administration)
Deng, Xi (Statistics – Computational Mathematics Minor)
Di, Yixuan (Statistics & Joint Honours Psychology)
Diana, Clarissa (Actuarial Science – Predictive Analytics Specialization & Honours Statistics)
Doshi, Dipai (Business Administration and Mathematics)
Evelyne, Chelsea (Combinatorics and Optimization – Statistics Minor) †
Fajar, Fasihah (Computational Mathematics – Computing Minor)
Fu, Xingyu (Statistics – Actuarial Science Minor)
Ge, Zhihao (Applied Mathematics – Computing Minor)
Han, Yihua (Statistics)
Hofer, Daniel Max (Business Administration and Mathematics & Honours Statistics) †
Howell, James Robert Anthony (Pure Mathematics – Physics Minor) *
Huang, Shaoyi (Statistics – Computational Mathematics Minor)
Huang, Zhe (Actuarial Science & Honours Statistics) †
Ivanovic, Ogilven (Mathematical Studies)
Ji, Tianjiao (Actuarial Science & Honours Statistics) *
Jia, Jingyi (Statistics – Applied Mathematics Minor)
 Jiang, Qi (Actuarial Science & Honours Statistics)
Kennery, Kyle William (Business Administration and Mathematics & Honours Actuarial Science) *
Kowalski Kutz, Pablo (Statistics) *
Le, Quynh Anh (Business Administration and Mathematics & Honours Actuarial Science) †
Li, Yichen (Applied Mathematics – Economics Specialization & Honours Combinatorics and Optimization & Honours Computational Mathematics)
Li, Zhenrong (Mathematics/Business Administration)
Lin, Jiali (Statistics – Economics Minor) *
Lin, Mingxin (Business Administration and Mathematics & Honours Statistics)

* – Distinction
† – Dean’s Honours
Lin, Zheng (Applied Mathematics – Pure Mathematics Minor)
Lin, Ziye (Statistics) †
Liu, Dylan Tet Chiang (Actuarial Science – Finance Specialization & Honours Statistics)
Liu, Leon Yi (Computer Science & Honours Combinatorics and Optimization) †
Liu, Yonghui (Mathematical Studies – Statistics Minor) *
Lomas Pozo, Marcos David (Joint Pure Mathematics & Joint Honours Combinatorics and Optimization)
Lu, Shiming (Mathematical Economics – Statistics Minor)
March, Omari (Mathematical Studies – Computational Mathematics Minor)
McIlwraith, Benjamin Christopher (Business Administration and Mathematics – Actuarial Science Minor) *
Mehta, Janaki Arjun (Statistics – Computing Minor)
Milne, Andrew (Actuarial Science & Honours Statistics) *
Nagpal, Pranay (Mathematical Studies)
Nguyen, Nicole (Business Administration and Mathematics) *
Ni, Yunong (Applied Mathematics – Computational Mathematics Minor)
Nini, Matthew David (Mathematics/Business Administration)
O’Neil, James Owen (Mathematics/Business Administration) *
Ortega, Lomas Pozo (Mathematical Studies – Statistics Minor) *
Paeng, Kiwhan (Statistics)
Paray, Saveeta Devika (Statistics – Actuarial Science Minor)
Park, Ethan (Statistics – Computing Minor)
Peng, Chong (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization) *
Petolescu, Julia Diana (Business Administration and Mathematics – Statistics Minor, Computing Minor)
Poetker, Sawyer Jacob (Statistics – Computing Minor) *
Qi, Ziqi (Mathematical Studies – Statistics Minor)
Rankin, Connor Frank (Mathematical Studies)
Seshaprasad, Sripad (Mathematical Studies – Business Specialization)
Shi, Bowen (Business Administration and Mathematics & Honours Statistics)
Sririhan, Saran (Mathematical Studies – Statistics Minor)
Steward, Winston Apollo (Business Administration and Mathematics) *
Su, Zhengjie (Mathematical Studies – Computing Minor, Statistics Minor) *
Subramoniam, Narayan (Business Administration and Mathematics – Combinatorics and Optimization Minor) †
Sun, Jiayi (Mathematical Studies – International Trade Minor)
Sung, Isaac Man Hon (Statistics) *
Tang, Bradley Tianyou (Statistics & Honours Combinatorics and Optimization) †
Tatsu, Madeline Kimiko (Mathematical Studies – Psychology Minor)
Tong, Huici (Actuarial Science & Honours Statistics)
Wang, Herui (Mathematical Studies – Computational Mathematics Minor, Statistics Minor) *
Wang, Jialong (Statistics) *
Wang, Jinghui (Statistics)
Wang, Suyiu (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization)
Wang, Xu (Combinatorics and Optimization)
Wang, Yangfan (Statistics & Honours Combinatorics and Optimization)
Wang, Yuchen (Statistics) *
Wang, Zekun (Computer Science) *
Wen, Wen (Mathematical Studies – Economic Theory Minor, Computing Minor)
Wu, Ruimin (Business Administration and Mathematics & Honours Statistics)
Wu, Sonny Zhengyan (Computational Mathematics)
Xu, Xiwei (Combinatorics and Optimization & Joint Honours Pure Mathematics) †
Yang, Like (Applied Mathematics – Statistics Minor)
Yang, Yingyin (Mathematics/Business Administration) *
Yao, Muzi (Actuarial Science & Honours Statistics) *
Yeh, George Yichen (Combinatorics and Optimization – Computing Minor)
Zakharov, Gieb (Business Administration and Mathematics)
Cheng, Gong (Statistics)
Zeng, Zixiao (Applied Mathematics with Scientific Computing)
Zhai, Minghao (Mathematical Finance & Honours Statistics – Pure Mathematics Minor) *
Zhang, Ruixin (Actuarial Science & Honours Statistics) *
Zhang, Yuchen (Statistics) *
Zhao, Haoyuan (Applied Mathematics) *
Zhao, Xing (Statistics) †
Zhou, Ronglao (Statistics)
Zhu, Giansheng (Actuarial Science & Honours Statistics)
Zhu, Yanyu (Statistics) *
Zou, Manshu (Statistics)
HONOURS CO-OPERATIVE PROGRAM
Abdullah, Fatima Tuzzehra (Computational Mathematics – Computing Minor)
Bajaj, Sidharta (Computer Science & Honours Statistics) *
Bhandal, Harleen Kaur (Actuarial Science – Predictive Analytics Specialization & Honours Statistics – Political Science Minor) *
Carreon, Jude Angelo Crisostomo (Statistics – Computing Minor)
Chan, Ethan (Business Administration and Mathematics) *
Chan, Yan Yeung Justin (Actuarial Science & Honours Statistics – Economics Minor)
Chandiramani, Komal (Statistics – Computing Minor) *
Chay, Chor Cheong, Andrew (Statistics – Psychology Minor, Actuarial Science Minor, Computing Minor) *
CHEN, Jiaqi (Actuarial Science & Honours Statistics) †
Chen, Ruoru (Mathematical Finance – Statistics Minor) †
* – Distinction
† – Dean’s Honours
CHOU DHARY, AASHI (Statistics – Actuarial Science Minor)
Dai, Yining (Statistics)
Deng, Haoyun (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) *
DeVrieze, Cassidy Grace (Statistics)
Dhanasekharan, Aditya (Business Administration and Mathematics – Statistics Minor, Computing Minor) *
Douangprachan, Branden (Business Administration and Mathematics)
Du, Yipeng (Computational Mathematics & Honours Statistics)
Esipova, Maria (Pure Mathematics & Honours Combinatorics and Optimization) †
Fan, Sijia (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) *
Farrand, Colleen Grant Longley (Computational Mathematics)
George, Arpita Anna (Mathematical Economics – Statistics Minor)
Ghafouri Varzaneh, Sara (Business Administration and Mathematics)
Ghota, Harkaran Singh (Actuarial Science)
Gookool, Louraiee Elizabeth (Computational Mathematics & Honours Statistics – Computing Minor) *
He, Jingxuan (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) †
He, Rona (Business Administration and Mathematics – Statistics Minor) †
He, Yitian (Business Administration and Mathematics & Honours Statistics) *
Hill, Emily Victoria (Mathematics/Teaching) *
Holowchuk, Troy Stephen (Actuarial Science & Honours Statistics) *
Hong, Cindy Jinhwa (Business Administration and Mathematics & Honours Statistics) *
Hong, Shi Ze (Pure Mathematics & Honours Combinatorics and Optimization) *
Hossain, M Towsayt (Combinatorics and Optimization – Computing Minor)
Hu, Jennifer Xiaoshan (Actuarial Science & Honours Statistics – Computing Minor) †
Hua, Chenyan (Actuarial Science & Honours Statistics) *
Hu, Jie (Mathematics/Teaching) *
Huang, Jamie (Statistics)
Huang, WenKai (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor)
Hussain, Armaan Ararat (Applied Mathematics with Scientific Computing – Statistics Minor) *
Huston, Sophia Mary Lorana (Mathematical Studies – History Minor)
Hwong, Manfred Chow (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
Ibrahim, Muhammad (Business Administration and Mathematics)
Ishwanthial, Thushar (Mathematical Economics)
Jeetun, Sidarshnee (Mathematics/Business Administration)
Kuan, Mercedes Teresa (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Joint Honours Applied Mathematics – Computing Minor)
Kundi, Ravneetkar Singh (Business Administration and Mathematics)
Lam, Darius Tzar-yan (Business Administration and Mathematics – Statistics Minor)
Law, Allissa Hui Yi (Business Administration and Mathematics & Honours Actuarial Science & Joint Honours Statistics) †
Li, Jiayi (Actuarial Science & Honours Statistics) †
Li, Miranda (Statistics)
Li, Mitchell Tze-Hei (Mathematics/Business Administration – Computing Minor) *
Liao, Wei (Actuarial Science & Honours Statistics) *
Lim, Wei Soong (Actuarial Science – Predictive Analytics Specialization & Honours Statistics)
Lin, Xinyu (Mathematical Studies – Business Specialization)
Liu, Jiang Wei (Statistics – Computational Mathematics Minor)
Lohan, Sufie (Business Administration and Mathematics)
Lu, Chen Pei (Business Administration and Mathematics – Computing Minor, Statistics Minor) *
Ma, Haoyu (Statistics)
Ma, Zhen Yang (Business Administration and Mathematics & Honours Statistics) *
Mao, Liting (Business Administration and Mathematics & Honours Statistics) †
Marr, Beau Steele (Business Administration and Mathematics & Honours Statistics) *
McIntosh, Adam John (Business Administration and Mathematics & Honours Actuarial Science & Honours Statistics) †
Miler, Boris Marko (Computational Mathematics – Statistics Minor) *
Murugesan, Ramana (Mathematical Finance) †
Nguyen, Kha Ngoc (Statistics)
O’Farrell, Ethan (Data Science) †
Ong, Albert (Statistics – Combinatorics and Optimization Minor) *
Passi, Siddhant (Statistics – Computing Minor)
Patei, Nicholeesh (Business Administration and Mathematics)
Patei, Rikin Dhirenkumar (Mathematical Studies – Pure Mathematics Minor, Computing Minor)
Pozzebon, Hunter Alexandra Ruby (Biostatistics/Health Informatics Option) *
Qin, Wei Wen (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
Rolston, Duncan John (Mathematics/Teaching)
Roy, Nigel Thomas (Computational Mathematics – Combinatorics and Optimization Minor)
Ryan, Ahnaf Tahmid (Statistics & Honours Computational Mathematics) *
Saha, Priyonto (Biostatistics & Honours Computational Mathematics & Honours Combinatorics and Optimization) *
Singh, Harsharoop (Computational Mathematics – Statistics Minor, Computing Minor) *

* – Distinction
† – Dean’s Honours
Tan, Willson Kwei Wah
(Mathematics/Business Administration)

Terpstra, Daria Hannah (Business Administration and Mathematics) *

Thiessen, Trevor Brendon (Actuarial Science & Joint Honours Statistics)

Tian, Yichen (Statistics)

Vandewatering, Josiah Joshua
(Mathematical Physics)

Walcarius, Brayden Edgar (Business Administration and Mathematics & Honours Actuarial Science & Honours Statistics) †

Wang, Run Peng (Actuarial Science & Honours Statistics) †

Wang, Siqin (Mathematical Studies – Combinatorics and Optimization Minor, Cognitive Science Minor)

Wang, Yang Min (Mathematics-Chartered Professional Accountancy – Computing Minor) *

Wang, Yinan (Actuarial Science & Honours Statistics)

Watchorn, Logan Wyatt
(Mathematical Studies)

Wong, Natalie Laura (Business Administration and Mathematics – Computing Minor) *

Wu, Chenyue (Business Administration and Mathematics & Honours Statistics – Actuarial Science Minor) †

Xu, Yihao (Computer Science – Artificial Intelligence Specialization – Computational Mathematics Minor, Combinatorics and Optimization Minor) †

Yang, Ke Chen (Computer Science & Honours Combinatorics and Optimization) †

Yang, Zhou (Computational Mathematics – Statistics Minor) *

Yao, Xiaolin (Statistics)

Yuchi, Lichuan (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

Zhang, Boyu (Business Administration and Mathematics & Honours Statistics – Combinatorics and Optimization Minor) *

Zhang, Dingchen (Combinatorics and Optimization & Joint Honours Pure Mathematics)

Zhang, Xiaoya (Business Administration and Mathematics & Honours Actuarial Science – Statistics Minor) *

Zhang, You (Actuarial Science & Honours Statistics) *

Zhang, Zhiqi (Mathematics/Chartered Professional Accountancy – Finance Option – French Minor)

Zhao, Wei (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Honours Statistics)

Zhao, Xin Yue (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor) *

Zhao, Yu Yang (Computer Science & Honours Statistics)

Zheng, Shuitao (Computational Mathematics – Combinatorics and Optimization Minor, Computing Minor)

Zhou, Haoze (Data Science) *

Zhu, Lingxi (Business Administration and Mathematics & Honours Statistics) †

BACHELOR OF SOFTWARE ENGINEERING

HONOURS CO-OPERATIVE PROGRAM

Chai, Chen *
He, Zi Ming *
Hosseini, Sara *
McGregor, Benn Allen *
Wen, William Yihan *†

DIPLOMA IN CHINESE LANGUAGE II

Chen, Lucas Xia

DIPLOMA IN ENGLISH FOR MULTILINGUAL SPEAKERS

Lomas Pozo, Marcos David

DIPLOMA IN FRENCH LANGUAGE I

Beech, Micah Samuel Lebold
Zhao, Xing

DIPLOMA IN GERMAN LANGUAGE

Bordioug, Anna

DIPLOMA IN JAPANESE LANGUAGE I

Sun, Jiayi

CERTIFICATE IN EXPERIENTIAL EDUCATION

Fajar, Fasiha
Lin, Jiali

* – Distinction
† – Dean’s Honours


Outstanding Achievements

FACULTY OF MATHEMATICS

MEDALS AND AWARDS

K.D. FRYER GOLD MEDAL
Academic excellence and good citizenship
David Khazzam

FINALIST FOR THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL
Doctoral
Cameron Francis Meaney
Master’s
Mahbod Majid (Spring 2023)
AFTERNOON CEREMONY

Degrees and diplomas from:

UNIVERSITY OF WATERLOO

FACULTY OF HEALTH

FACULTY OF SCIENCE
DOCTOR OF PHILOSOPHY
Chowdhury, Diya (Public Health Sciences – Aging, Health and Well-Being)
“Healthcare Experiences of South Asian Older Adults in Canada: Aging Well, Engagement and Access”
Davari Dowlatabadi, Saeideh (Health Studies and Gerontology)
“Does Psychosocial Stress Experienced at Different Points Across the Rat Lifespan Cause Sex-Specific Changes in Spatial Learning and Memory and Plasticity-Related Proteins?”
Fu, Ying (Recreation and Leisure Studies)
“Communal Orientation and Employee Well-Being: Examining the Mediating Roles of Positive Relational Communication and Perceptions of Customer Interactions”
Koechl, Jill Marie (Kinesiology – Aging, Health and Well-Being)
“Exploring End-Of-Life Nutrition Care for Residents of Long-Term Care: A Retrospective Chart View”
Mangan, Gary (Kinesiology)
“Individuality in Balance Control: Using Conventional Analysis and Machine Learning Approaches to Reveal Person-Specific Difference in Standing Balance Control”
Packull-McCormick, Sara Rachel (Public Health Sciences)
“Fish Consumption and Mercury Exposures Among Sub-Populations in Canada Through Targeted Biomonitoring: Results From Dene/ Métis Communities of the Northwest Territories and a Maternal-Infant Cohort Study”
Velovitsky, Pedro Elkind (Public Health Sciences)
“Use of Smart Technology Tools for Supporting Public Health Surveillance: From Development of a Mobile Health Platform to Application in Stress Prediction”

MASTER OF HEALTH EVALUATION
Burke-Murphy, Emeralda Colter, Lorretta Margaret Jari, Shora Van Bemmel, Mia Christiane Voll, Jessica

MASTER OF HEALTH INFORMATICS
Park, Ben Joonyeon Suarez Angel, Yadira

/master of kinesiology
Ellerker-Rigonan, Jaxson Alexander Khalil Li, Yuanhe

MASTER OF PUBLIC HEALTH

MASTER OF SCIENCE
Athaide, Chloe Eve (Kinesiology)
Bae, Junhan (Kinesiology)
Bhullar, Sukirat Kaur (Kinesiology)
Billawala, Alkarim (Public Health Sciences)
Bonifacio, Charlinhe Joanne (Public Health Sciences)
Chaston, Andrew William (Kinesiology)
Cole, Brooklyn Hope (Kinesiology)
Dhuga, Gurkiran Kaur (Public Health Sciences)
<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gevaert, Victoria Lynn Rita</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Gosse, Lauren Claire</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Ho, Daphne Chiching</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Hutchuk, Nicole</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Illic, Antonela</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Jiang, Evelyn Yiing</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Lam, Fergus Tsun Hin</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Lester, Laura Elizabeth</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Levi, Leila Bernadino</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Lewis, Diedron</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Madjedi, Cyrus</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Malone, Alexander Lawrence</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>McDonald, Benjamin Selwyn</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Pavlinich, David Michael</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Pourbabadi, Daniel</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Sanghavi, Nidhi</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Sharp, Meghan Elizabeth</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Thompson, Aaron James</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Tondat, Alyssa Marie</td>
<td>Kinesiology</td>
</tr>
<tr>
<td>Ugaya Mazza, Lorissa</td>
<td>Public Health Sciences</td>
</tr>
<tr>
<td>Zafar, Abdullah</td>
<td>Kinesiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jones, Catherine Anne</td>
<td></td>
</tr>
<tr>
<td>Kapteyn, Kelsey Marie</td>
<td></td>
</tr>
<tr>
<td>Kelly, Erin Marie</td>
<td></td>
</tr>
<tr>
<td>Kinna, Julia Michelle</td>
<td></td>
</tr>
<tr>
<td>Kumbah, Alehawung Ophilia</td>
<td></td>
</tr>
<tr>
<td>Kurtz, Nicole Christina</td>
<td></td>
</tr>
<tr>
<td>Kutney, Janice Monica</td>
<td></td>
</tr>
<tr>
<td>Kuwahara, Midori</td>
<td></td>
</tr>
<tr>
<td>Lafortune, Ashley Nicole</td>
<td></td>
</tr>
<tr>
<td>Lane, Amanda</td>
<td></td>
</tr>
<tr>
<td>Lara, Odaly</td>
<td></td>
</tr>
<tr>
<td>LeBlanc, Richelle</td>
<td></td>
</tr>
<tr>
<td>Ledda, Emily</td>
<td></td>
</tr>
<tr>
<td>Lu, Linda</td>
<td></td>
</tr>
<tr>
<td>Lymburner, Claeys Patricia</td>
<td></td>
</tr>
<tr>
<td>MacIntyre, Glory</td>
<td></td>
</tr>
<tr>
<td>Mackinnon, Sarah-Kate Katieen</td>
<td></td>
</tr>
<tr>
<td>Maguire, Eugena</td>
<td></td>
</tr>
<tr>
<td>Masood, Adam</td>
<td></td>
</tr>
<tr>
<td>McCarrel, Sarah Rose</td>
<td></td>
</tr>
<tr>
<td>McGowan, Laura</td>
<td></td>
</tr>
<tr>
<td>McInnis, Alana</td>
<td></td>
</tr>
<tr>
<td>McIntosh, Kenneth P.</td>
<td></td>
</tr>
<tr>
<td>McKenzie, Paige</td>
<td></td>
</tr>
<tr>
<td>McShane, Valerie</td>
<td></td>
</tr>
<tr>
<td>Meagher, Christine M.</td>
<td></td>
</tr>
<tr>
<td>Midence, Karina Maria</td>
<td></td>
</tr>
<tr>
<td>Mirigello, Martina Marie</td>
<td></td>
</tr>
<tr>
<td>Molloy Butt, Cindy Anne</td>
<td></td>
</tr>
<tr>
<td>Mui, Irving Younglan</td>
<td></td>
</tr>
<tr>
<td>Nkansah-Okoree, Brenda Odosuah</td>
<td></td>
</tr>
<tr>
<td>Noddin, Allyson</td>
<td></td>
</tr>
<tr>
<td>Norman, Melanie Pamela</td>
<td></td>
</tr>
<tr>
<td>Ogunrewo, Feyisola oluwaseun</td>
<td></td>
</tr>
<tr>
<td>Okabe, Sydnie Oleena Sears</td>
<td></td>
</tr>
<tr>
<td>O'Shea, Allan Arthur Michael</td>
<td></td>
</tr>
<tr>
<td>Otolot, oluwatoysin</td>
<td></td>
</tr>
<tr>
<td>Pabia, Mica Richelle</td>
<td></td>
</tr>
<tr>
<td>Paradela, Nicolette Miller</td>
<td></td>
</tr>
<tr>
<td>Patton, Kayla Catherine</td>
<td></td>
</tr>
<tr>
<td>Pearson, Bethany</td>
<td></td>
</tr>
<tr>
<td>Philbert, Tyeriah</td>
<td></td>
</tr>
<tr>
<td>Piera, Samuel Hau</td>
<td></td>
</tr>
<tr>
<td>Pirnie, Alexandra Sue Ellen</td>
<td></td>
</tr>
<tr>
<td>Read, Samantha Elsie Linda</td>
<td></td>
</tr>
<tr>
<td>Regnier, Michelle Celeste</td>
<td></td>
</tr>
<tr>
<td>Reid, Nicole Julia</td>
<td></td>
</tr>
<tr>
<td>Reid, Richelle Allene</td>
<td></td>
</tr>
<tr>
<td>Ross, Heather-Anne Lynn</td>
<td></td>
</tr>
<tr>
<td>Satheesan, Soumya</td>
<td></td>
</tr>
<tr>
<td>Sceppaceraqua, Branda Marie</td>
<td></td>
</tr>
<tr>
<td>Shepperda, Anita Marie</td>
<td></td>
</tr>
<tr>
<td>Silva, Shannon Kathleen</td>
<td></td>
</tr>
<tr>
<td>Slack, Alisha Marie</td>
<td></td>
</tr>
<tr>
<td>Smith, Kaleigh Josee</td>
<td></td>
</tr>
<tr>
<td>Spurrell, Megan Elizabeth</td>
<td></td>
</tr>
<tr>
<td>Stevenson, Robyn Marie</td>
<td></td>
</tr>
<tr>
<td>Swanson, Janessa Marie</td>
<td></td>
</tr>
<tr>
<td>Syed, Summaya Neelam</td>
<td></td>
</tr>
<tr>
<td>Taylor, Mardi Frances</td>
<td></td>
</tr>
<tr>
<td>Terpstra, Kate Elizabeth</td>
<td></td>
</tr>
<tr>
<td>Tetraull, Chelsea Megan</td>
<td></td>
</tr>
<tr>
<td>Thakidiyil, Thara Roselin</td>
<td></td>
</tr>
<tr>
<td>Thornton, Claire Elizabeth</td>
<td></td>
</tr>
<tr>
<td>Toombs, Mara A.</td>
<td></td>
</tr>
<tr>
<td>Tresidder, Courtney Marie</td>
<td></td>
</tr>
<tr>
<td>Urquhart, Brianna Wendy</td>
<td></td>
</tr>
<tr>
<td>Voore, Lauren Sharon</td>
<td></td>
</tr>
<tr>
<td>Waddleton, Alisha Nicole</td>
<td></td>
</tr>
<tr>
<td>Waghstaff, Alyshia</td>
<td></td>
</tr>
<tr>
<td>Walsh, Maria</td>
<td></td>
</tr>
<tr>
<td>Watkis, Andre Christopher</td>
<td></td>
</tr>
<tr>
<td>Williams, Janelle Catherine</td>
<td></td>
</tr>
<tr>
<td>WONG, KA WAI</td>
<td></td>
</tr>
<tr>
<td>Wood, Megan Elizabeth</td>
<td></td>
</tr>
<tr>
<td>Zinn-Schadenberg, Jennifer Nicole</td>
<td></td>
</tr>
</tbody>
</table>

**Masters of Social Work**

Barker-Pencil, Swayne  
Beeler, Nathalie Manuela  
Burnell, Leah Carol Almoza  
Challoner, Abby Jean  
Chan, Pui Ting  
Cooke, Lisa Marie  
Cooper, Jennifer Christine  
Crocker, Julissa Nicole Steinson  
Doan Nguyen, Lisa Kim  
Duckett, Meaghan Lee Beryl  
Eedens, Paige Victoria  
Engel, Nicole  
Enserlink, Katrina Maria  
Esselink, Emma Jane  
Farnsworth, Deborah Sarah  
Francis, Alicia Katherine  
Galambos, Jillian  
Gilmour, Sarah Audrey  
Hartwig, Hillary  
Havenga, Jeff A.  
Henderson, Christopher William Patrick  
House, Erica Anne  
Hunt, Lavorn Ann-Marie  
Hutchison, Jodie Renee  
Jaipersaud, Caitlyn  
James, Brianne Elizabeth  
James, Rahul  
Johnson, Kanisha Suzanna  
Jones, Catherine Anne  
Kapteyn, Kelsey Marie  
Kelly, Erin Marie  
Kinna, Julia Michelle  
Kumbah, Alehawung Ophilia  
Kurtz, Nicole Christina  
Kutney, Janice Monica  
Kuwahara, Midori  
Lafortune, Ashley Nicole  
Lane, Amanda  
Lar, Odaly  
LeBlanc, Richelle  
Ledda, Emily  
Lu, Linda  
Lymburner, Claeys Patricia  
MacIntyre, glory  
Mackinnon, Sarah-Kate Katieen  
Maguire, Eugena  
Masood, Adam  
McCarrel, Sarah Rose  
McGowan, Laura  
McInnis, Alana  
McIntosh, Kenneth P.  
McKenzie, Paige  
McShane, Valerie  
Meagher, Christine M.  
Midence, Karina Maria  
Mirigello, Martina Marie  
Molloy But, Cindy Anne  
Mui, Irving Younglan  
Nkansah-Okoree, Brenda Odosuah  
Noddin, Allyson  
Norman, Melanie Pamela  
Ogunrewo, Feyisola oluwaseun  
Okabe, Sydnie Oleena Sears  
O'Shea, Allan Arthur Michael  
Otolaroye, oluwatoyin  
Pabia, Mica Richelle  
Paradela, Nicolette Miller  
Patton, Kayla Catherine  
Pearson, Bethany  
Philbert, Tyeriah  
Piera, Samuel Hau  
Pirnie, Alexandra Sue Ellen  
Read, Samantha Elsie Linda  
Regnier, Michelle Celeste  
Reid, Nicole Julia  
Reid, Richelle Allene  
Ross, Heather-Anne Lynn  
Satheesan, Soumya  
Sceppaceraqua, Branda Marie  
Shepperda, Anita Marie  
Silva, Shannon Kathleen  
Slack, Alisha Marie  
Smith, Kaleigh Josee  
Spurrell, Megan Elizabeth  
Stevenson, Robyn Marie  
Swanson, Janessa Marie  
Syed, Summaya Neelam  
Taylor, Mardi Frances  
Terpstra, Kate Elizabeth  
Tetraull, Chelsea Megan  
Thakidiyil, Thara Roselin  
Thornton, Claire Elizabeth  
Toombs, Mara A.  
Tresidder, Courtney Marie  
Urquhart, Brianna Wendy  
Voore, Lauren Sharon  
Waddleton, Alisha Nicole  
Waghstaff, Alyshia  
Walsh, Maria  
Watkis, Andre Christopher  
Williams, Janelle Catherine  
WONG, KA WAI  
Wood, Megan Elizabeth  
Zinn-Schadenberg, Jennifer Nicole
Undergraduate Degrees

FACULTY OF HEALTH

BACHELOR OF ARTS

GENERAL PROGRAM – FOUR YEAR

Ilyua, Muyang Akicik Arum
(Recreation and Leisure Studies)

HONOURS PROGRAM

Bernoski, Victoria Diane
(Recreation and Leisure Studies – Social Development Studies Minor) †

Bondy, Kaitlein Paige Mildred
(Therapeutic Recreation)

Brady, Sarah Kathleen
(Therapeutic Recreation)

Britnell, Liam
(Recreation and Sport Business) *

Budimir, Anita
(Recreation and Sport Business) †

Chan, Jenny See-Yan
(Therapeutic Recreation) †

Crawley, Katelyn Ashley
(Therapeutic Recreation)

Cromack, Courtney Rose-Mary
(Therapeutic Recreation)

DiGiambattista, Isabella Regina
(Recreation and Leisure Studies) *

English, Jacob William
(Recreation and Sport Business)

Freeman-Braganca, Naomi Gabrielle
(Therapeutic Recreation) *

Gamit, Marc
(Therapeutic Recreation)

Gunaseelan, Abishake Rick
(Therapeutic Recreation)

Hare, Nathan Gary
(Recreation and Sport Business – Event Management Minor)

James, Garrett Peter Gordon
(Recreation and Sport Business)

Lim, Vaien Lok Him
(Recreation and Sport Business – Event Management Minor)

Martino, Andrea Maureen
(Therapeutic Recreation) *

Mastronardi, Ashlin Brooke
(Therapeutic Recreation/Aging Studies Option)

Mohamed, Steve Shivana
(Recreation and Sport Business) †

Palmer, Sean Robert
(Recreation and Sport Business) *

Quibell, Story Grace
(Therapeutic Recreation – Psychology Minor) *

Scheffler, Leah Ruby
(Therapeutic Recreation – Psychology Minor) *

Sim, Robert
(Recreation and Sport Business)

Smith, Lyndyl Abdon
(Therapeutic Recreation – Social Development Studies Minor) *

Tucci, Jenna Marie
(Therapeutic Recreation – Human Resources Management Minor) †

Vandenheuvel, William Henry
(Recreation and Leisure Studies) *

Wang, Yaxin
(Tourism Development – Co-operative Program) †

Weber, Hannah Ann
(Therapeutic Recreation/Aging Studies Option) †

Williams, Leah Mae
(Therapeutic Recreation) †

Zorbas, Perry Christopher
(Recreation and Sport Business)

BACHELOR OF PUBLIC HEALTH

HONOURS PROGRAM

Cooper, Malayka Rose
(Co-operative Program) †

Das, Hridita
(Addictions, Mental Health and Policy Minor – Co-operative Program) *

Dhamrait, Sukhmani Kaur

Huh, Jieun
(Psychology Minor) †

Shaikh, Alaeza Hussain†

Sisodiya, Karmraj Sinh Harendrasinh
(Addictions, Mental Health and Policy Minor)

Tam, Tia Mei Shan

BACHELOR OF SCIENCE

GENERAL PROGRAM – FOUR YEAR

Huang, Selena
(General Kinesiology)

Mesgari, Ghazal
(General Kinesiology)

Xing, Wen Hao
(General Kinesiology)

HONOURS PROGRAM

Badri, Umar
(Kinesiology)

Benipal, Gurtej Singh
(Kinesiology – Rehabilitation Sciences Specialization – Co-operative Program) *

Buragina, Mirela Alyssse
(Kinesiology – Co-operative Program) *

Cabral, Pearl Grace
(Kinesiology – Co-operative Program) *

Castano Aristizabal, Andrea
(Health Studies – Human Resources Management Minor)

Chartier, Hannah Gillian
(Kinesiology – Co-operative Program)

Chodoriwsky, Matthew Roman John
(Kinesiology) *

Chou, Yu-Hsuan
(Health Studies)

Dinh, Christopher
(Health Sciences) †

Do, Kevin Trong
(Kinesiology – Medical Physiology Minor – Co-operative Program)

Elastar, Salma
(Kinesiology – Medical Physiology Minor – Co-operative Program) †

Gies, Lauren
(Kinesiology – Rehabilitation Sciences Specialization – Co-operative Program)

Goodman, Brywn Meredith Guo Min
(Kinesiology)

Hall, Rowan Kearney
(Kinesiology) *

Herman, Devin Grogan
(Kinesiology) †

Jayaseelan, Viros
(Kinesiology)

Kamra, Hersh Luv
(Kinesiology – Co-operative Program)

Kaspari, Patrick Alexander
(Kinesiology)

Kirupakaran, Mithuna
(Health Sciences – Human Resources Management Minor)

Kovacs, Attila
(Health Studies – Co-operative Program) †

Kumar, Anmol
(Kinesiology)

Lam, Mitchell Aaron
(Health Studies – Co-operative Program) †

Liu, Lam Fung
(Health Studies – Management Studies Minor) *

Majid, Raiyan
(Health Studies) *

* – Distinction
† – Dean’s Honours
Malhotra, Natasha Lynn Henhoeffer  
(Kinesiology – Psychology Minor – Co-operative Program) *

Marin, Ana Paola  
(Kinesiology – Rehabilitation Sciences Specialization)

Martens, Sydney Anne  
(Kinesiology) *

Milton, Lauren Taylor Elizabeth  
(Health Studies – Co-operative Program) †

Nayee, Pranav Yogesh  
(Kinesiology)

Overeem, Kaitlyn  
(Kinesiology – Co-operative Program)

Parent, Michael Adam  
(Kinesiology – Rehabilitation Sciences Specialization) *

Parmar, Gurvir Singh  
(Kinesiology)

Persad, Brittney Caroline  
(Health Sciences – Gerontology Minor – Co-operative Program)

Riel-Walker, Miles Barrington  
(Health Studies) †

Shah, Tej Ankur  
(Health Studies/ Aging Studies Option) *

Small, Alexandra Mariah  
(Kinesiology – Co-operative Program)

Swerhun, Chris Arvi  
(Health Studies)

Taylor, Jude Lachlan  
(Kinesiology)

Therrien, Alexandre Vital Nelson  
(Kinesiology – Rehabilitation Sciences Specialization) *

Wu, Robin  
(Kinesiology)

Ying, Tsz Yui  
(Kinesiology – Ergonomics and Injury Prevention Minor)

Zhao, Kelsey Ying-xiao  
(Health Sciences – Co-operative Program) †

**DIPLOMA IN GERONTOLOGY**

Chung, Matthew Shing Hei
Martino, Andrea Maureen

* – Distinction
† – Dean’s Honours
Graduate Degrees

FACULTY OF SCIENCE

DOCTOR OF PHILOSOPHY

Amoura, Yuba (Physics)
"Cosmology with Cluster Structural Properties"

Barnett, Jacob (Physics)
"Locality and Exceptional Points in Pseudo-Hermitian Physics"

Bramman, Brendan (Physics - Quantum Information)
"Ablation Loading and Qudit Measurements with Barium Ions"

Chen, Hong Zhe (Physics)
"The Black Hole Information Paradox in a Brane World"

Corman, Maxence Lorraine Pierre (Physics)
"Black Holes in Cosmological Spacetimes and Alternative Theories of Gravity"

Davis, Jack Guy (Physics - Quantum Information)
"Wigner Negativity on the Sphere"

Gallock Yoshimura, Kensuke (Physics)
"Correlation Harvesting in the Presence of Unruh and Hawking Effects"

Georgiev, Boris (Physics)
"Using Black Hole Environments as Laboratories for Testing Accretion and Gravity"

Hampton, Tyler Barbee (Earth Sciences - Water)
"Forested Watersheds and Water Supply: Exploring Effects of Wildfires, Silviculture, and Climate Change on Downstream Waters"

Hibat Allah, Mohamed (Physics)
"Exploring Many-Body Physics with Recurrent Neural Networks"

Ieritano, Christian (Chemistry)
"Towards Understanding Differential Ion Mobility and its Applications in Analytical and Medicinal Chemistry"

Jia, Ding (Physics)
"Toward a Theory of Everything"

Jin, Yutong (Vision Science)
"The Phenotype of Tear Neutrophils and Their Role in Ocular Homeostasis and Inflammation"

Kulp, Justin Gordon James (Physics)
"Topological Manipulations of Quantum Field Theories"

La, Voition (Chemistry)
"Selection and Characterization of an Apteromer to a Thiazole Orange Derivative for Use in a Fluorescence-Based Biosensor"

Lali, Gurmeet Kaur (Pharmacy)
"Design and Characterization of Various Lipid, Polymer, and Gemini-Surfactant - Based Vectors and DNA as Non-Viral Delivery Systems for Gene Therapy Applications"

Lin, Junan (Physics - Quantum Information)
"Representation, Characterization, and Mitigation of Noise in Quantum Processors"

Liu, Yutong (Chemistry)
"Defect Investigation on Hematite Photoanodes"

Low, Pei Jiang (Physics)
"Control and Readout of High-Dimensional Trapped Ion Qudits"

Luo, Ning (Earth Sciences)
"Hydraulic Tomography Analyses of Different Datasets for Subsurface Heterogeneity Characterization at Various Scales"

Ma, Ruochen (Physics)
"Symmetry and Topology in Disordered Systems"

Medvedeva, Ksenia (Chemistry)
"Electroorganic CO2 Fixation Via Paired Electrolysis and Nanoscale Electrocaltysis"

Radosavljevic, Jovana (Earth Sciences - Water)
"Land Use Changes and Salinization: Impacts on Lake Phosphorus Cycling and Water Quality"

Ramirez, Daniel (Chemistry)
"Solid Solution Tetrilides and Pniclides for Thermoelectric Applications"

Reeves, Andrew Matthew McGregor (Physics)
"Star Formation and Quenching in Galaxies: Groups, Clusters, and Mergers"

Saraswat, Krishan (Physics)
"Quantum Aspects of Black Holes: From Microstates to Echoes and Somewhere In-Between"

Siemonsen, Nils Peter (Physics)
"Bosonic Fields in Strong-Field Gravity"

Straker, Geburah Chokmah (Biology)
"Investigating the Involvement of FHA Domain Lateral Surfaces in DNA Damage and Cell Cycle Checkpoint Responses in Saccharomyces Cerevisiae"

Tannous, Ramy Nicolas (Physics - Quantum Information)
"Advancing the Robustness of Polarization and Time Bin Quantum Key Distribution for Free-Space Channels"

Tjoa, Erickson (Physics - Quantum Information)
"The Roles of Causal Propagator in Relativistic Quantum Information"

Webb, Kristi Anne (Physics)
"Tracing Galaxy Evolution Through the Reconstruction of Their Star Formation Histories"

Woodfinden, Alexander James (Physics)
"Precision Cosmology Using Voids"

Yang, Lei (Physics)
"Interactions, Entanglement, and Anomalies in Topological Semimetals"

Ye, Weicheng (Physics)
"Aspects of Anomaly in Condensed Matter Physics"

Yu, Matthew (Physics)
"(Non)-Invertible Topology in Quantum Field Theory"

MASTER OF SCIENCE

Abed, Hadeel (Biology - Water)

Abu Baker, Dina Yousef Tawfiq (Chemistry)

Ahmed, Shahnewaz (Physics)

Anand, Amit (Physics - Quantum Information)

Belayneh, Dawit Mesfin (Physics)

Bell, Natasha Celine (Earth Sciences)

Biggart, Kaylee Teneal (Physics)

Caldec, Jaycelyn Cori (Biology)

Calvert, Adam Charles (Earth Sciences)
Caminiti, Jacqueline Olivia (Physics)
Chan, Albie (Physics - Quantum Information)
Coughlin, Cole Austin (Physics)
Eaton, Dean Frederick (Physics)
Epstein, Collin Joseph Cunningham (Physics - Quantum Information)
Etezad Razavi, Saba (Physics)
Evans, Natasha Marie Kang (Chemistry)
Friedman-Shaw, Batia (Physics)
Ghosal, Sukanya (Physics)
Giannakoudi, Iligeneia (Physics)
Gong, Ruozhen (Physics)
Gonzalez Garcia, Sofia (Physics)
Gu, Aosheng (Physics)
He, Fuhai (Physics)
Hrytseniak, Oleksandra (Physics)
Hunjan, Manjot Singh (Biology)
Husnugil, Sercan (Physics)
Ippolito, Isabella (Biology)
Izquierdo Garcia, Raquel (Physics)
Knorr, Anna Charlotte (Physics)
Lee, Dongjin (Physics)
Letey, Mary Imelda (Physics)
Matamed, Arsalan (Physics - Quantum Information)
Munday, James Elgin (Physics)
Naik, Tejas Ajit (Physics)
Oberfrank, Robin (Physics)
Orfi, Alev Katherine Bridget (Physics - Quantum Information)
Prakash, Rohini (Biology)
Punch, Rhiannon Mae (Biology)
Salehi, Kiana (Physics)
Sharif, Ilyas (Physics)
Shaw, Nicolette Adrienne (Chemistry)
Silverans, Hanne (Physics)
Slattery, Katherine Rose (Physics)
St Pierre, Zachary Hastings (Physics)
Tabor, Elisabeth Marie (Physics)
Tasnim, Humayra (Pharmacy)
Telati, Eirini (Physics)
Toma, Lilian (Pharmacy)
Vaibhav, Vatsalya (Physics)
Veitas, Rokas Paul (Physics)
Vucenovic, Allisson Noelle (Earth Sciences)
Wang, Shirley (Pharmacy)
Wang, Zhiren (Physics)
Warren, Adrianna Marie (Vision Science)
Wu, Wilson Fan (Physics - Quantum Information)
Yang, Xiao (Physics)
Yeh, Yuan-Chen (Physics)
Yin, Haoyu (Earth Sciences - Water)
Zheng, YiDan (Physics)
Zhu, Cheng (Physics - Quantum Information)
Undergraduate Degrees

FACULTY OF SCIENCE

BACHELOR OF SCIENCE

GENERAL SCIENCE – THREE YEAR

Arcas, Courtney Jade (Biology Minor)
Awad, Jessica *
Bains, Uday Singh (Economics Minor)
Benrubí-Morris, Joshua Glen Ariel
Bilocavlovic, Matthew Ljubomir (Computing Minor)
Chan, Evan Rodney †
Chen, Bo Han
Cheung, Thomas
Choi, Jason Lap-Fai
Desai, Bhavi Gaurang
Dhillon, Sumit Singh
Farquharson, James Lashley
Forrester, Seth Patrick
Geisbacher, Nicolas
Hassan, Suhaib
Kalányos, Xanthé (Earth Sciences Minor)
Ma, Brian Riley *
Mi, Yifei
Morrison, Devon Nicholas
Moua, Drake Pao
Mubalamata, Jordan (Biology Minor)
Muhl, Chloe Anabela (Astrophysics Minor)
Nguyen, Bui Y Nhi (Biology Minor) *
Nguyen, Roslyn †
Patel, Anshi Ketan
Poturi, Rohit Kumar
Shanta, Nicole Lauren †
Sundaramoorthy, Kohilan Michael
Vyas, Ravi Ghanshyambhai †
Werezak, Jennifer Anne (Biology Minor)
Wu, Chao Peng
Zhang, Runlin
Zheng, Rui (Biology Minor)

HONOURS PROGRAM

Abeyratne, Tharindya Santhejani (Biology – Molecular Genetics Specialization – Co-operative Program)
Abidalla, Mustafa (Science – Psychology Minor, Biology Minor)
Agie, Emmanuelia Afia-Abrefi (Biomedical Sciences) *
Al Badri, Ayat Ghazii (Science)
Ali, Namira (Science)
Allahmoradi, Katherine Lily (Science and Business – Co-operative Program) *
Almarez, Dan Russel Liba (Science and Aviation – Earth Sciences Minor) †
Anacletà, Alexandre Pascoal (Psychology) *
Andrews, Mary Nashat (Science)
Anstett, Lauren Nicole (Science)
Aripe Cantu, Ricardo Brannen (Chemistry) *
Arshad, Hiba (Biology – Computing Minor)
Arulananthan, Preetha (Biology – Co-operative Program)
Atwal, Janroop Kaur (Science – Biology Minor)
Baig, Mirza Muhammad Asad (Science – Biology Minor) *
Baik, Selina Soyoon (Science)
Bains, Angad Singh (Science)
Bakowski, Nicole Maria (Science)
Balakrishnan, Thipashini (Science and Business – Co-operative Program)
Bansal, Misha (Science and Business)
Birk, Jasmin (Science)
Bonato, Laura Christina (Science)
Branje, Jesse (Biology – Plant Biology Specialization/Bioinformatics Option – Co-operative Program)
Brar, Jasmer Singh (Science)
Buitenhuis, Madison Leigh (Mathematical Physics – Co-operative Program)
Chalmers, Darby Chantal (Science)
Chauhan, Nikhil Kieran Hemant (Psychology) *
Choi, Kun Hyuk (Science)
Choudhury, Jojeta (Science and Business/Chemistry – Co-operative Program) *
Chowdhury, Sahmat Ahmed (Science and Aviation – Earth Sciences Minor)
Chung, Emily Bellita (Science)
Cort, Patrick (Biomedical Sciences)
Čubelić, Nikola Ivan (Science)
Dang, Kim Dinh Hoang (Science)
Daniel, Hyasi Reuben (Science and Business – Biology Minor – Co-operative Program)
Del Young, Ronald Lawrence Jr (Science – Physics Minor)
Delima, Kaitlin Chelsea Masangya (Biomedical Sciences – Music Minor) *
Dhalawi, Akom Singh (Biomedical Sciences)
Dhanoa, Amandeep Singh (Biomedical Sciences) *
Dhillon, Gurleen Kaur (Science – Biology Minor)
Diab, Joshua Elie (Science and Aviation) †
Diep, Matthew (Science)
Dodwell, Isaac (Biochemistry/Bioinformatics Option – Co-operative Program)
Downie, Megan Lee Renee (Science)
D’Souza, Lynn (Science)
Edalatkhah, Mahsa (Psychology – Biology Minor) †
Elliott, Joseph Edward (Science)
Ersin, Mina (Biochemistry/Biotechnology Specialization – Co-operative Program) *
Etchells, Kenneth Graham (Physics and Astronomy – Computing Minor)
Fairigreve, William Peter (Physics and Astronomy)
Fan, Shirley (Science)
Farrukh, Hamza (Science and Business/Biology – Co-operative Program)
Fatt, Jennifer Claire (Science – Biology Minor, Geography and Environmental Management Minor)
Feng, Guanhua (Physics) *
Ferguson, Julie Veronica (Science)
Flammia, Jackie Louise (Science)

* – Distinction
† – Dean’s Honours
Gandham, Gurshan (Chemistry – Co-operative Program)
Garas, Mary Luka Helmy (Science)
Glover, Elyse Audrey Kay (Biomedical Sciences) *
Gong, Yuying (Science and Business – Co-operative Program)
Grant, Emily Alison (Biomedical Sciences) *
Guo, Rui Ying Rui (Biomedical Sciences)
Habib, Sara (Science)
Hasson, Husien (Chemistry – Co-operative Program)
He, Chunyu (Science – Chemistry Minor)
He, Hailan (Science – Biology Minor)
Ho, Justin Chun-Hin (Science – Earth Sciences Minor)
Hoang, Lisa Nguyen (Biology – Biotechnology Specialization/ Bioinformatics Option – Co-operative Program) *
Hong, Ruize (Physics – Astrophysics Minor) *
Hu, Steven Hao (Science and Business – Economics Minor – Co-operative Program) *
Huang, Ming Zhao (Science)
Huo, Camille Zi Xi (Science)
Ilan, Allysia Janine (Biology)
Jacobs, Ryan Edward (Science and Aviation – Physics Specialization)
Jaggi, Gursimar Singh (Biomedical Sciences)
James, Demetri Diallo (Science and Aviation – Earth Sciences Minor)
Jarvis, Kyra Rose (Science and Aviation) *
Jia, Chenkai (Earth Sciences/Geophysics Specialization – Mathematics Minor)
Jin, Nuo (Science and Business)
Jose, Joycey Tresa (Science)
Joshi, Suyog (Mathematical Physics – Co-operative Program)
Kannuthurai, E-Han (Science – Computing Minor)
Kapoor, Anikate Singh (Biochemistry/Biotechnology Specialization)
Khan, Muhammad (Science and Business – Co-operative Program)
Khan, Samra (Science and Business – Co-operative Program)
Kong, Derek (Physics – Astrophysics Minor, Mathematics Minor – Co-operative Program)
Krajsnik, Milana (Science)
Kuruppu, Thisarani Kalhara (Physics – Entrepreneurship Minor)
Kwon, Taewoo (Science/ Bioinformatics Option – Biology Minor)
Laevens, Lily Mary Rain (Biochemistry & Joint Honours Psychology – Research Intensive Specialization – Co-operative Program) *
Lagachu, Raina (Biomedical Sciences)
Lagno, Andrew (Materials and Nanosciences)
Lama, Sonam Tashi (Biomedical Sciences) *
Lange, Samantha Andrea (Physics – Co-operative Program)
Laslagic, Melissa Temira (Science – Biology Minor, Sociology Minor)
Lau, Alice Pui Lam (Science)
Lau, MacKenzie (Materials and Nanosciences – Co-operative Program) *
Law, Shari (Biomedical Sciences – Psychology Minor)
Le, Rosa (Biomedical Sciences)
Lee, Jason Seungsoo (Science and Business – Co-operative Program)
Lee, Michelle Eunseo (Science)
Lee, Yunsu (Science – Biophysics Minor)
Leung, Lucas Lok Kan (Science)
Li, Jia Yi (Science)
Li, Yan Yi (Biochemistry/ Bioinformatics Option – Co-operative Program)
Li, Yi Fei (Science)
Liu, Chang (Environmental Sciences/Geoscience Specialization) *
Lo, Sophia (Biomedical Sciences/ Bioinformatics Option – Psychology Minor) †
Loo, Jordan Danial (Science – Biology Minor)
Lulo, Rea (Science – Biochemistry Minor)
Ly, Nick (Biomedical Sciences – Chemistry Minor, East Asian Studies Minor)
Ly, Randy (Materials and Nanosciences – Co-operative Program)
Majeed, Ali Asif (Earth Sciences/ Geology Specialization)
Mander, Harleen Kaur (Biomedical Sciences & Joint Honours Psychology – Medical Physiology Minor) *
Mao, Casey Jiahui (Science)
Marquardt, John Albert (Science)
Mazhar, Mahnoor (Science)
McBride, Laurel Elizabeth (Biology – Co-operative Program) †
McRitchie, Cathleenianne (Science)
Meelu, Ashley (Biomedical Sciences – Legal Studies Minor)
Mendoza, Mark Christopher (Science)
Messina, Lucas Salvatore (Science – Earth Sciences Minor)
Meyer, Allison Lynne (Science)
Minnes, Madeline Blair Hakes (Science and Business – Economics Minor – Co-operative Program) *
Moore, Andrew Ryan (Science and Business/Chemistry – Co-operative Program)
Narewal, Simran (Science)
Negi, Aarushi (Science and Aviation – Earth Sciences Minor)
Nisyif, Ali Saeed (Biochemistry)
Noufal, Cathrina (Science – Biology Minor)
Pabla, Mopreet Kaur (Psychology – Philosophy Minor, Biology Minor) *
Pan, Shayna (Science)
Park, Catherin Woo (Biology) *
Patel, Shivani (Biology)
Paz Escudero, Diego Javier (Science)
Pereira, Numbo Da Rocha (Chemistry – Co-operative Program)
Peterman, David Elliott (Science)
Pham, Hanh Thi Phuong (Biology – Environmental Biology Specialization)
Pir Zad Moghadam, Farhad (Earth Sciences/Geology Specialization) *
Prajapati, Dhruv Pareshkumar (Life Physics – Medical Physics Specialization – Biology Minor – Co-operative Program)
Putros, Maryanne (Science – Medical Physiology Minor, Psychology Minor, Biology Minor)
Randhay, Tavleen Kaur (Science – Biology Minor)
Rais, Abeer Fatima (Science and Business/Biology)
Rejinald, Reuen Mathew (Science and Aviation – Earth Sciences Minor)
Ren, Yi Nuan (Physics – Co-operative Program)
Repato, Rafael Pastorin (Science and Aviation) †
Robin, Marina (Science) * – Distinction
† – Dean’s Honours
Roupra, Harpreet Kaur (Science – Biology Minor, Anthropology Minor)
Salad, Hibaq (Science – Biology Minor)
Sallam, Rola Mostafa (Science – Biology Minor) *
Sami, Areeba (Science)
Scott, Isabella Livia (Science – Biology Minor)
Sembakutti, Prarthana (Psychology – Biology Minor)
Shah, Dhruti (Science and Business – Biology Minor – Co-operative Program)
Shaker, Thomas Ramzy (Science)
Sharma, Nikita (Science)
Shangwe, Jabulina Sydney (Environmental Sciences/Water Science Specialization – Co-operative Program)
Sidhu, Ravnaaz Kaur (Science and Aviation – Earth Sciences Minor)
Sills Schwarcz, Cameron Johann (Science and Aviation – Earth Sciences Minor) *
Simpson, Garen Aaron Akeen (Materials and Nanosciences – Biophysics Minor – Co-operative Program)
Singh, Japnaman (Science and Aviation – Earth Sciences Minor)
Siu, Kalinda Yan-Tong (Science)
Skrobonja, Anja (Biochemistry – Co-operative Program) *
Soja, Nicole Elziabeta (Biology)
Spasik, Leona (Science)
Stanger, Emily (Science)
Stepanek, Michelle Brianna (Chemical Physics – Co-operative Program)
Stuckless, Daniel Robert (Science)
Stute, Megan Marie (Science)
Su, Margaret (Science)
Suhaili, Juwairiya (Science – Biology Minor)
Summers, Colin Robert (Science)
Syed, Wasam Ashraf (Psychology – Biology Minor)
Tahmid, Syed Mohammad Saqif (Science/Bioinformatics Option)
Thomare, Natasha Narendra (Science & Joint Honours Psychology – Research Intensive Specialization/Bioinformatics Option)
Truntos, Dakota Christina (Science – Biology Minor) *
Trinh, Vy Dong (Science)
Van, Jonathan Hao (Science and Aviation)
Van Loon, MacKenzie Marie (Science)
Villar, Genevre Mae Crescini (Biochemistry – Co-operative Program)
Vo, Nguyen Tu Minh (Science)
von Stackelberg, Carter Jacob (Earth Sciences/Geology Specialization)
Wang, Selina Xinyue (Science)
Webb, Mikenna Marie (Science – Biology Minor, Psychology Minor) †
Wilde, Caitlin Anne (Science)
Wu, Evan (Science)
Xie, Jing (Science & Joint Honours Psychology – Biology Minor, Chemistry Minor) *
Xie, Zixiang (Biology)
Xu, Guanru (Materials and Nanosciences)
Xue, Bowen (Biology/Bioinformatics Option)
Yusufali, Faisal (Science and Business – Economics Minor, Biology Minor)
Zahra, Syeda Irida (Biology – Co-operative Program)
Zhang, Elsie (Biology/Bioinformatics Option – Legal Studies Minor – Co-operative Program)
Zhao, Rebecca (Earth Sciences/Geophysics Specialization) *
Zhu, Zeqing (Materials and Nanosciences)

DOCTOR OF PHARMACY

CO-OPERATIVE PROGRAM

Agtarap, Kyla †
Al Abdurrahman, Arwa Hashim †
Al Badri, Ayat Ghazi *
Alie, Jennifer †
Andraws, Mary Nashat †
Anstett, Lauren Nicole *
Arends, D’Arcy Marie †
Asselin, Michelle Marie *
Baik, Selina Soyouon *
Bains, Angad Singh †
Bakowski, Nicole Maria *
Beli, Sydney Jude *
Bonato, Laura Christina †
Bonti-Ankomah, Jocelyn *
Boyle, Gavin Allen †
Brar, Jasmer Singh
Bratkov, Tai *
Bui, Linh *
Chalmers, Darby Chantal *
Choi, KiChang Brent *
Choi, Kun Hyuk *
Chung, Emily Beilita *
Cubelic, Nicola Ivan †
Dang, Kim Dinh Haong
Dang, Manvir †
Dao, Thao Phuong *
Davies, Asher Spencer †
Davis, Alicia Sara †
Di Stefano, Rose †
Diab, Emile *
Diep, Matthew
Downie, Megan Lee Renee *
D’Souza, Lynn *
Duggan, Kaitlin May
Estavillo, Danica Mae Christine Aala *
Fallis, Sarah Jennifer †
Fan, Shirley †
Feng, Sandy †
Ferguson, Julie Veronica
Flammia, Jackie Louise *
Garas, Mary Luka Helmy *
Ghaly, Mira
Granholm, Richard *
Greenlees, Claire Rynn *
Habib, Sara *
Harriyersaad, Sharra Padmary *
Helka, Amanda Nicole *
Ho, Benson Philip *
Huo, Camille Zi Xi *
Hutchings, Lauren Katherine †
Huyhn, Kevin *
Huyhn, Kevin *
Huyhn, Steven *
Huzevka, Madison Marie *
Ingratta, Amanda Katelyn *
Jibrini, Maher *
Jose, Joycey Tresa
Kanagasundaram, Pruntha *
Krajsnik, Milana *
Lac, Julie *
Lam, Jerry Chi-Yue *
Langstaff, Christian Gordon *
Lau, Alice Pui Lam *
Lee, Michelle Eunseo *
Leung, Lucas Luk Kan *
Li, Jia Yi *
Li, Yi Fei *
Long, Trisha *
Maliekhal, Sahil John
Mao, Casey Jiahui *
Marinaccio, Rocco Benito *
Massara, Kaitlyn Elaine *
Mazhar, Mahnoor *
McRitchie, Cathleen Dianne *
Meyer, Allison Lynne *
Musa, Lina *
Narewali, Simran *
Ngarina, Ann-Samantha
Palermo, Amanda *
Pan, Shanya *
Patel, Keluben *
Paz Escudero, Diego Javier *
Peterman, David Elliott *
Rehmaji, Taher *
Reis, Megan Joyce *
Rivard, Madeleine Nicole *
Robin, Marina *
Sami, Areeba *

* – Distinction
† – Dean’s Honours
Sekhon, Jasman Kaur *
Shaker, Thomas Ramzy *
Sharma, Nikita *
Shiha, Collin Michael *
Sicard, Chelsey Elizabeth †
Siu, Kalinda Yan-Tong †
Spasik, Leona †
Sprigings, Hayley Jaclyn *
Stanger, Emily †
Stuckless, Daniel Robert †
Stute, Megan Marie *
Su, Margaret *
Summers, Colin Robert
Tailor, Mayur A. †
Tremblay, Valérie Andrée Kristen †
Trinh, Vy Dong *
Ulusow, Asha *
Urslak, Randilynne Zenovia †
Van, Katherine *
Van Loon, MacKenzie Marie *
Vanderzee, Shelly Taylor †
Vij, Sumani *
Vo, Nguyen Tu Minh *
Wang, Selina Xinyue *
Waseem, Rita †
Welch, Michael Thomas †
Wu, Evan †
Xiao, Alice *
Yang, Zhen
Zhynova, Iryna

DIPLOMA IN FRENCH LANGUAGE I
Lama, Sonam Tashi
Noufal, Cathrina

DIPLOMA IN GERONTOLOGY
Mander, Harleen Kaur

DIPLOMA IN SPANISH LANGUAGE I
Anacleto, Alexandra Pascoal

CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH
Branje, Jesse

CERTIFICATE IN EXPERIENTIAL EDUCATION
Randhay, Tavleen Kaur

* – Distinction
† – Dean’s Honours
Outstanding Achievements

FACULTY OF HEALTH

MEDALS AND AWARDS
FINALIST FOR THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL
Doctoral
Jackie Doreen Zehr (Spring 2023)

Master’s
Kendra Elizabeth Fortin (Spring 2023)

FACULTY OF SCIENCE

MEDALS AND AWARDS
THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL
Outstanding academic performance in a Doctoral program
Ryan Moreira (Spring 2023)
Waterloo brings home the gold

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

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

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

GO INSIDE THE LAB AT uwaterloo.ca/alumni/events-and-awards/awards-and-medals/alumni-gold-medals

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

THE GOWN

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

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

THE HOOD

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

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

### Bachelor’s

- Bachelor of Accounting and Financial Management
- Bachelor of Applied Science
- Bachelor of Architectural Studies
- Bachelor of Arts
- Bachelor of Computer Science
- Bachelor of Computing and Financial Management
- Bachelor of Environmental Studies
- Bachelor of Global Business and Digital Arts
- Bachelor of Knowledge Integration
- Bachelor of Mathematics
- Bachelor of Public Health
- Bachelor of Science
- Bachelor of Social Work
- Bachelor of Software Engineering

### Professional Doctorate

- Doctor of Optometry
- Doctor of Pharmacy

### Master’s

- Master of Accounting
- Master of Actuarial Science
- Master of Applied Science
- Master of Architecture
- Master of Arts
- Master of Business, Entrepreneurship, and Technology
- Master of Catholic Thought
- Master of Climate Change
- Master of Data Science and Artificial Intelligence
- Master of Development Practice
- Master of Digital Experience Innovation
- Master of Economic Development and Innovation
- Master of Engineering
- Master of Environment and Business
- Master of Environmental Studies
- Master of Health Evaluation
- Master of Health Informatics
- Master of Kinesiology
- Master of Management Sciences
- Master of Mathematics
- Master of Mathematics for Teachers
- Master of Peace and Conflict Studies
- Master of Planning
- Master of Public Health
- Master of Public Service
- Master of Quantitative Finance
- Master of Science
- Master of Social Work
- Master of Taxation
- Master of Theological Studies

### Doctoral

- Doctor of Philosophy
- Doctor of Divinity
- Doctor of Engineering
- Doctor of Environmental Studies
- Doctor of Laws
- Doctor of Letters
- Doctor of Mathematics
- Doctor of Science

### Honorary Doctorate

- Honorary Degrees and Dignitaries
- Faculty and Staff
- The Convocation Winds National Anthem
- Music Procession
- Mace
- Podium
- Live Twitter Wall
- #UWATERLOOGRAD

Bachelor of Accounting and Financial Management
Bachelor of Applied Science
Bachelor of Architectural Studies
Bachelor of Arts
Bachelor of Computer Science
Bachelor of Computing and Financial Management
Bachelor of Environmental Studies
Bachelor of Global Business and Digital Arts
Bachelor of Knowledge Integration
Bachelor of Mathematics
Bachelor of Public Health
Bachelor of Science
Bachelor of Social Work
Bachelor of Software Engineering

Doctor of Optometry
Doctor of Pharmacy

Master of Accounting
Master of Actuarial Science
Master of Applied Science
Master of Architecture
Master of Arts
Master of Business, Entrepreneurship, and Technology
Master of Catholic Thought
Master of Climate Change
Master of Data Science and Artificial Intelligence
Master of Development Practice
Master of Digital Experience Innovation
Master of Economic Development and Innovation
Master of Engineering
Master of Environment and Business
Master of Environmental Studies
Master of Health Evaluation
Master of Health Informatics
Master of Kinesiology
Master of Management Sciences
Master of Mathematics
Master of Mathematics for Teachers
Master of Peace and Conflict Studies
Master of Planning
Master of Public Health
Master of Public Service
Master of Quantitative Finance
Master of Science
Master of Social Work
Master of Taxation
Master of Theological Studies

Doctor of Philosophy
Doctor of Divinity
Doctor of Engineering
Doctor of Environmental Studies
Doctor of Laws
Doctor of Letters
Doctor of Mathematics
Doctor of Science

Honorary Degrees and Dignitaries
Faculty and Staff
The Convocation Winds National Anthem
Music Procession
Mace
Podium
Live Twitter Wall
#UWATERLOOGRAD

Bachelor of Accounting and Financial Management
Bachelor of Applied Science
Bachelor of Architectural Studies
Bachelor of Arts
Bachelor of Computer Science
Bachelor of Computing and Financial Management
Bachelor of Environmental Studies
Bachelor of Global Business and Digital Arts
Bachelor of Knowledge Integration
Bachelor of Mathematics
Bachelor of Public Health
Bachelor of Science
Bachelor of Social Work
Bachelor of Software Engineering

Doctor of Optometry
Doctor of Pharmacy

Master of Accounting
Master of Actuarial Science
Master of Applied Science
Master of Architecture
Master of Arts
Master of Business, Entrepreneurship, and Technology
Master of Catholic Thought
Master of Climate Change
Master of Data Science and Artificial Intelligence
Master of Development Practice
Master of Digital Experience Innovation
Master of Economic Development and Innovation
Master of Engineering
Master of Environment and Business
Master of Environmental Studies
Master of Health Evaluation
Master of Health Informatics
Master of Kinesiology
Master of Management Sciences
Master of Mathematics
Master of Mathematics for Teachers
Master of Peace and Conflict Studies
Master of Planning
Master of Public Health
Master of Public Service
Master of Quantitative Finance
Master of Science
Master of Social Work
Master of Taxation
Master of Theological Studies

Doctor of Philosophy
Doctor of Divinity
Doctor of Engineering
Doctor of Environmental Studies
Doctor of Laws
Doctor of Letters
Doctor of Mathematics
Doctor of Science

Honorary Degrees and Dignitaries
Faculty and Staff
The Convocation Winds National Anthem
Music Procession
Mace
Podium
Live Twitter Wall
#UWATERLOOGRAD

Bachelor of Accounting and Financial Management
Bachelor of Applied Science
Bachelor of Architectural Studies
Bachelor of Arts
Bachelor of Computer Science
Bachelor of Computing and Financial Management
Bachelor of Environmental Studies
Bachelor of Global Business and Digital Arts
Bachelor of Knowledge Integration
Bachelor of Mathematics
Bachelor of Public Health
 Bachelor of Science
Bachelor of Social Work
Bachelor of Software Engineering

Doctor of Optometry
Doctor of Pharmacy

Master of Accounting
Master of Actuarial Science
Master of Applied Science
Master of Architecture
Master of Arts
Master of Business, Entrepreneurship, and Technology
Master of Catholic Thought
Master of Climate Change
Master of Data Science and Artificial Intelligence
Master of Development Practice
Master of Digital Experience Innovation
Master of Economic Development and Innovation
Master of Engineering
Master of Environment and Business
Master of Environmental Studies
Master of Health Evaluation
Master of Health Informatics
Master of Kinesiology
Master of Management Sciences
Master of Mathematics
Master of Mathematics for Teachers
Master of Peace and Conflict Studies
Master of Planning
Master of Public Health
Master of Public Service
Master of Quantitative Finance
Master of Science
Master of Social Work
Master of Taxation
Master of Theological Studies

Doctor of Philosophy
Doctor of Divinity
Doctor of Engineering
Doctor of Environmental Studies
Doctor of Laws
Doctor of Letters
Doctor of Mathematics
Doctor of Science

Honorary Degrees and Dignitaries
Faculty and Staff
The Convocation Winds National Anthem
Music Procession
Mace
Podium
Live Twitter Wall
#UWATERLOOGRAD