



ONE HUNDRED AND TWENTY-EIGHTH CONVOCATION

# CONVOCATION

WEDNESDAY  
JUNE  
**12**  
2024

FACULTY OF MATHEMATICS  
Convocation Ceremony

# CONVOCATION

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

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WEDNESDAY, JUNE 12, 2024

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## TERRITORIAL ACKNOWLEDGEMENT

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

# Message from the Chancellor

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

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

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

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

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

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

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

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

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



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

**DOMINIC BARTON**  
Chancellor

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

# Message from the President and Vice-Chancellor

*Congratulations to the Class of 2024.*

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

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

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

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

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

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

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

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

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

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



*Vivek Goel*

**VIVEK GOEL**

CM

President and Vice-Chancellor

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

# Message from the Alumni Council Chair

## *Congratulations Class of 2024!*

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

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

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

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

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

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

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

*I wish you all the best.*



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

**DIANA VANGELISTI**

BES '84 MA '89

Chair, University of Waterloo Alumni Council

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**“THERE WILL BE MORE THAN 250,000 OF US AND WE ARE HERE  
TO SUPPORT YOU AS YOU WORK TOWARDS YOUR GOALS.”**

# Our tradition of convocation

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

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

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

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

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

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



1960s  
CONVOCATION  
AT WATERLOO

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## A CALLING TOGETHER

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

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## CONNECTING WITH TRADITION

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

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## THE PROCESSION

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

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

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

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## THE MACE

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

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







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

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## THE COAT OF ARMS AND MOTTO

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

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## DEGREES AND HONORARY DEGREES

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

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

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

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## EAGLE STAFF

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

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

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

The University of Waterloo honours and welcomes the Eagle Staff, a symbol of Indigenous strength, spirit and care. This signifies Waterloo’s commitment to incorporating First Nations, Métis, and Inuit perspectives into the University’s governance, structure, and mission. It serves as a beacon of reconciliation on our shared path forward.



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

**VIVEK GOEL**

*President and Vice-Chancellor*

# Honorary Doctorates

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

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## SHERYL KENNEDY

BES, MPA

Doctor of Environmental Studies,  
*honoris causa*

TUESDAY, JUNE 11 / MORNING CEREMONY



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

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## RICK HANSEN

CC, OBC

Doctor of Laws, *honoris causa*

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



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

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## VINTON CERF

PhD

Doctor of Mathematics, *honoris causa*

WEDNESDAY, JUNE 12 / MORNING CEREMONY



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

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## IAN STEWART

MA, PhD

Doctor of Mathematics, *honoris causa*

WEDNESDAY, JUNE 12 / EVENING CEREMONY



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

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## BRADLEY J. REGEHR

BA, LLB, KC

Doctor of Letters, *honoris causa*

THURSDAY, JUNE 13 / AFTERNOON CEREMONY



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

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## SCOTT TREMAINE

BSc, MA, PhD, DSc

Doctor of Science, *honoris causa*

FRIDAY, JUNE 14 / AFTERNOON CEREMONY



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

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## CLAUDETTE MCGOWAN

BA, MBA

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / MORNING CEREMONY



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

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## DAVID CORNFIELD

BASc

and

## LINDA ARCHER CORNFIELD

BS, MS

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / AFTERNOON CEREMONY



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

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## BRUCE KUWABARA

BArch

Doctor of Laws, *honoris causa*

SATURDAY, JUNE 15 / EVENING CEREMONY



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

# Distinguished Professors Emeriti

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

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## RHONA HANNING

PhD, FDC, FCNS-SCN

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



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

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## IAN MUNRO

BA, MSc, PhD

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY



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

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## RON MCCARVILLE

BSc, BEd, MRec, PhD

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY



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

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## COLIN MACLEOD

BA, PhD, RSOC

Faculty of Arts

THURSDAY, JUNE 13 / AFTERNOON CEREMONY



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

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## PATRICIA O'BRIEN

PhD

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



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

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## CHRISTINE WIEDMAN

MAcc, PhD, FCPA

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



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

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## ALAN WEBB

BComm, PhD

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



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

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## NEIL THOMSON

BASc, MASc, PhD, PEng

Faculty of Engineering

SATURDAY, JUNE 15 / EVENING CEREMONY



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

# Honorary Members of the University

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



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## JEAN ANDREY

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

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



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## TINA ROBERTS

BSc  
Faculty of Health  
TUESDAY, JUNE 11 / AFTERNOON CEREMONY

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



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## MARGARET BURNETT

MSc  
Faculty of Health  
TUESDAY, JUNE 11 / AFTERNOON CEREMONY

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



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## LAWRENCE FOLLAND

BSc, MSc

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY



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

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## MURRAY ZINK

BASc, MASc, BEd, PEng

Faculty of Engineering

FRIDAY, JUNE 14 / EVENING CEREMONY



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

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## DONNA SUTHERLAND

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY



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

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## DAVID KIBBLE

BASc

Faculty of Engineering

SATURDAY, JUNE 15 / AFTERNOON CEREMONY



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

# Guest Speaker

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## **YVONNE STEVENS**

BSc, MSc

Faculty of Science

FRIDAY, JUNE 14 / MORNING CEREMONY



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

# Valedictorians

**Emma Schuster**

Faculty of Environment

TUESDAY, JUNE 11 / MORNING CEREMONY

**Kathleen Szajbely**

Faculty of Health

TUESDAY, JUNE 11 / AFTERNOON CEREMONY

**Hanwen (Wendy) Zhang**

Faculty of Mathematics

WEDNESDAY, JUNE 12 / MORNING CEREMONY

**Akam Pabla**

Faculty of Mathematics

WEDNESDAY, JUNE 12 / AFTERNOON CEREMONY

**Ahmed Ehab Khalil**

Faculty of Arts

THURSDAY, JUNE 13 / MORNING CEREMONY

**Lowenna Olowo Barungi**

Faculty of Arts

THURSDAY, JUNE 13 / AFTERNOON CEREMONY

**Natasha J. Chen**

Faculty of Arts

THURSDAY, JUNE 13 / EVENING CEREMONY

**Justen Wilmot**

Faculty of Science

FRIDAY, JUNE 14 / MORNING CEREMONY

**Olla Mohamad Ahmed Obied**

Faculty of Science

FRIDAY, JUNE 14 / AFTERNOON CEREMONY

**Shahed Saleh**

Faculty of Engineering

FRIDAY, JUNE 14 / EVENING CEREMONY

**Karim Al-Atrash**

Faculty of Engineering

SATURDAY, JUNE 15 / MORNING CEREMONY

**Matthew Kee**

Faculty of Engineering

SATURDAY, JUNE 15 / AFTERNOON CEREMONY

**Dominic Nguyen**

Faculty of Engineering

SATURDAY, JUNE 15 / EVENING CEREMONY



# MORNING CEREMONY

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Dong, Yu Hao Dong** (Computer Science)  
“Themelio: A New Blockchain Paradigm”

**Irudayaraj, Antony Albert Raj** (Computer Science)  
“Low-Resolution Customizable Ubiquitous Displays”

**Jung, Joshua** (Computer Science)  
“Graph-Based Mapping for Knowledge Transfer in General Game Playing”

**Kassaie, Besat** (Computer Science)  
“Update-Aware Information Extraction”

**Lukas, Nils Hendrik** (Computer Science)  
“Analyzing Threats of Large-Scale Machine Learning Systems”

**Malhotra, Aarti** (Computer Science)  
“Emotions and Context in Decision-Making for a Socially Intelligent Agent”

**Melo Dos Santos, Glaucia** (Computer Science)  
“Adaptive Human-Chatbot Interactions: Contextual Factors, Variability Design and Levels of Automation”

**Mhedhbi, Mohamed Amine** (Computer Science)  
“GraphflowDB: Scalable Query Processing on Graph-Structured Relations”

**Moosa, Johra Muhammad** (Computer Science)  
“Improving Peptide Identification in Proteomics Data Analysis Through Repeat-Preserving Decoy and Decoy-Free Retraining”

**Musleh, Yossef** (Computer Science)  
“Algorithms for Drinfeld Modules”

**Ni, Chendi** (Computer Science)  
“A General Neural Network Methodology for Multi-Period Portfolio Optimization”

**Sahu, Siddhartha** (Computer Science)  
“Optimizing Differential Computation for Large-Scale Graph Processing”

**Selby, Kira Aveline** (Computer Science)  
“Distributions in Semantic Space”

**Wang, Shaokai** (Computer Science)  
“Deep Learning Methods for Novel Peptide Discovery and Function Prediction”

**Zhong, Wei** (Computer Science)  
“Effective Math-Aware Ad-Hoc Retrieval Based on Structure Search and Semantic Similarities”

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## MASTER OF MATHEMATICS

**Abbas, Norhan Abbas Fathy** (Computer Science)

**Abubaker, Fadhil** (Computer Science)

**Adeyemi, Mofetoluwa Oluwaseun** (Computer Science)

**Ahmed, Abdelrahman Mohamed Diaa Eldin Elsayed** (Computer Science)

**Akillioglu, Kerem** (Computer Science)

**Bie, Yaxian Alex** (Computer Science)

**Boyko, Anthony J** (Computer Science – Co-operative Program)

**Chen, Jiawei** (Computer Science)

**Choong, Lydia Jane Mercer** (Computer Science)

**Cruzat La Rosa, Adrian Daniel** (Computer Science)

**Elshamy, Abdallah Khaled Ahmed Mahmoud** (Computer Science)

**Esho, Oluwafunmilayo** (Computer Science)

**Evans, Ross Peter** (Computer Science)

**Fan, Xingye** (Computer Science)

**Femi-Gege, Temiloluwa Paul** (Computer Science)

**Fenau, Lucas Pierre Robert** (Computer Science)

**Golzadeh, Kiarash** (Computer Science)

**Huo, Siqing** (Computer Science)

**Iyer, Kritika** (Computer Science)

**Jamialahmadi, Benyamin** (Computer Science – Co-operative Program)

**Ji, Ru** (Computer Science)

**Khaleel, Seba Tayser** (Computer Science)

**Khan, Muhammad Arsalan** (Computer Science)

**Khodae, SayedMohammadAmin** (Computer Science)

**Kola-Olawuyi, Ajiromola Abimbola** (Computer Science)

**Lao, Cheryl** (Computer Science)

**Leung, Renee Lok Yiu** (Computer Science)

**LI, ZHENBO** (Computer Science)

**Lin, Luyun** (Computer Science)

**Lins Dos Santos, Luis Fernando** (Computer Science)

**Ma, Kai** (Computer Science)

**Mosier, Logan Mackenzie** (Computer Science)

**Murphy, Alice Nancy Lulu** (Computer Science)

**Parsons, Colby Alexander** (Computer Science)

**Pathak, Gautam Shashishekar** (Computer Science)

**Qi, Chu Yan** (Computer Science – Co-operative Program)

**Setayesh Ghajar, Kamyar** (Computer Science)

**Seyedi, Newsha** (Computer Science)

**Shamsolhodaei, Amirreza** (Computer Science)

**Shan, Linghui** (Computer Science)

**Singh, Prabhjot** (Computer Science)

**Spalding-Jamieson, Jack Edward Tobias** (Computer Science)

**Stewart, Connor Raymond** (Computer Science)

**Sun, Gengyi** (Computer Science)

**Sutter Pessurno De Carvalho, Gustavo** (Computer Science)

**Tse, Jarvis Jeun-Hei** (Computer Science)

**Vagavolu, Dheeraj** (Computer Science)

**Vanderkooy, Theodore Arthur** (Computer Science)

**Wang, Gan** (Computer Science)

**Wang, Su** (Computer Science – Co-operative Program)

**West, Christopher** (Computer Science)

**Xu, Xiaoyan** (Computer Science)

**Yu, Andy Felix** (Computer Science)

**Zassman, Saralin Cydney** (Computer Science)

**Zhang, Yifan** (Computer Science – Co-operative Program)

**Zhou, Xiaoyu** (Computer Science – Co-operative Program)

# Undergraduate Degrees

## BACHELOR OF COMPUTER SCIENCE

### HONOURS PROGRAM

Arora, Mannan  
Bai, Jenny \*  
Baxi, Rohun †  
Behniwal, Prabgun \*  
Bhati, Devrajsinh \*  
Chau, Sydney T \*  
Chu, Justin Jiaxuan \*  
Cui, Cathy †  
Cui, Jonathan Haofeng †  
Dancey, Joshua Samuel Ross  
Dass, Stefan Dennis  
Du, Yichen \*  
Elbatish, Mahmoud \*  
Fakhouri, Reem †  
Feng, Ganlin †  
Gao, Xiaohan (Music Minor)  
Ghidaoui, Aicha (Human-Computer Interaction Specialization – Psychology Minor)  
Ghimire, Ishan  
Gupta, Siddharth (Economic Theory Minor) \*  
Halum, Kim Trevor Morgia †  
Ho, Keefe Wai Kit  
Hong, Yubei (Artificial Intelligence Specialization) †  
Hosny Saleh, Yousof †  
Hu, Zuomiao (Human-Computer Interaction Specialization & Software Engineering Specialization) †  
Huang, Micah Hao Fei  
Hussain, Fareed Shar  
Isnain, S.M  
Ivanov, Alexei †  
Ji, Xuxiao \*  
Johnston, Samuel Joseph †  
Kennedy, Drew Haley  
Kholdi-Sabeti, Bahar  
Kim, Huck Jaehyuk (Applied Mathematics Minor) \*  
Kong, Jiahe †  
Lee, Dongyoon †  
Li, Junang \*  
Li, Xiang \*

Li, Yao \*  
Li, Zonghan \*  
Lin, Wei Heng \*  
Liu, Andrew \*  
Liu, Andrew Yuan †  
Liu, Athena Roui \*  
Liu, Xuelin  
Lu, Allen Qin \*  
Mavely, Michael George  
Mo, Yilin  
Mushtaha, Ahmed  
Nguyen, Vinh Phu  
Oh, Paul Gilhan  
Ou, Racheal \*  
Pan, Shihong (Joint Computer Science & Joint Honours Combinatorics and Optimization – Applied Mathematics Minor) †  
Pancea, Dev Veer Singh  
Pang, Wen Yuen (Combinatorics and Optimization Minor) †  
Patel, Jenish Dharmeshkumar  
Patel, Neysa Pratikkumar †  
Patel, Shrey Mukeshkumar \*  
Rawlings, Connor Mackenzie  
Ryan, Edward †  
Shan, Zidan (Physics Minor) \*  
Shen, Chenghao  
Sheng, Song †  
Sheng, Yining \*  
Shi, Shuyao (Applied Language Studies Minor) \*  
Song, Daniel Wang †  
Suboor, Mohammad Talha  
Tam, Alan Kwok Wing \*  
Tang, Robert \*  
Tsirlin, Mikhail (Statistics Minor) †  
Wang, Andrew \*  
Wang, Danielle †  
Wang, Erica Moyang \*  
Wang, Ziyu †  
Wei, Ruidi †  
Wolfe, Matthew Levi William \*  
Woo, Heemin  
Wu, Colin Yunchuan \*  
Wu, Joanne

Xu, Guanrong (Statistics Minor, Combinatorics and Optimization Minor) †  
Xu, Xinhao (Statistics Minor) \*  
Xu, Yicheng †  
Xue, Alex \*  
Yang, Matthew (Statistics Minor) †  
Yang, Tianhui \*  
Yang, Xiaoyu †  
Yeung, Tiffany  
Yu, Andy †  
Yu, Zeqi (Combinatorics and Optimization Minor, Computational Mathematics Minor) \*  
Yun, Qi Hao \*  
Zha, Yaqi \*  
Zhan, Andrew Shengzhe (Business Specialization) \*  
Zhang, Henry  
Zhang, Kelvin †  
Zhang, Yingshuo †  
Zheng, Jiabao (Statistics Minor) †  
Zhou, Yun Ze †  
Zhu, Jiawen †  
Zhu, Yi Zhen †  
Zhuang, Hao Rui †

### HONOURS CO-OPERATIVE PROGRAM

Adnan, Fahad Bin \*  
Adnan, Zayd Bin \*  
Agrawal, Harsh Sharad †  
Ahmad, Maroosh (Geography and Environmental Management Minor)  
Ajmera, Shivam †  
Akhter, Areena \*  
Alsaigh, Zaid (Psychology Minor) †  
Anand, Utkarsh \*  
Antao, David Joseph \*  
Aronovici, Alex David †  
Bae, Jehwan †  
Bai, Frank †  
Bajaj, Saksham (Economic Theory Minor) †  
Bajwa, Nimun Kaur  
Baranek, Omar Nader \*  
Barlow, Alex Matthew \*

\* – Distinction  
† – Dean's Honours

<b>Bennett, Matthew Gordon</b> *	<b>Dong, Jiazhao</b> †	<b>Jamal, Chowdhury Gaizar</b> *
<b>Bhagat, Jay Ketan</b> (Chemistry Minor) †	<b>Dragoev, Olivia Nicole</b> (Human-Computer Interaction Specialization) *	<b>Javed, Umer</b> (Software Engineering Specialization) *
<b>Bohm, Jessica Elaine Patricia</b>	<b>Du, Tianrui</b> *	<b>Jiang, Ellie Yichen</b> (Combinatorics and Optimization Minor) †
<b>Boonsiri, Ben</b> *	<b>Ephrat, Daniel</b> *	<b>Jiang, William</b> *
<b>Boyed, Abhinav</b> *	<b>Fan, Yuheng</b> *	<b>Jiwani, Aydan</b>
<b>Brajer, Jackson Kyle</b> *	<b>Fang, Alex</b> *	<b>Kang, William</b> (Psychology Minor) *
<b>Cahyadi, James</b> †	<b>Fang, Zhong Ming</b> (Statistics Minor) *	<b>Kathirkamar, Vaanie</b> (Economics Minor)
<b>Cai, Jiayi</b> *	<b>Feng, Caesar Liu</b> (Business Specialization) *	<b>Kaushik, Rohit</b>
<b>Cameron-Howe, Noah James</b> (Artificial Intelligence Specialization) †	<b>Fong, Zhi Minn</b> †	<b>Kim, Jacob</b> *
<b>Cha, Jae Yoon</b> (Combinatorics and Optimization Minor) †	<b>Freedman, Benjamin Meir</b> *	<b>Kim, Juhyung</b> †
<b>Chan, Andrew Anze</b> (Business Specialization) *	<b>Gandevia, Cyrus Zarir</b> *	<b>Kim, Min</b> †
<b>Chaudhary, Akshath</b> *	<b>Gao, Alyssa</b> (Business Specialization) †	<b>Klingler, William Alexander</b> †
<b>Chaudhery, Deeksha</b> *	<b>Gao, Feng Ao</b> †	<b>Kodeswaran, Jathushan</b> (Business Specialization & Software Engineering Specialization) *
<b>Chen, Franco</b> †	<b>Gao, JingYi</b> †	<b>Kohli, Ena</b> *
<b>Chen, Frank</b> *	<b>Goel, Aryaman</b>	<b>Krishnasamy Muthaly, Suvasan</b>
<b>Chen, Haiyao</b> *	<b>Guo, Alex</b> †	<b>Kumar, Adheesh</b>
<b>Chen, Hong Yu</b> *	<b>Guo, Alexander Zheng</b> †	<b>Lam, Max</b> *
<b>Chen, Hongyi</b> (Statistics Minor, Computational Mathematics Minor) †	<b>Guo, Andy</b> †	<b>Lam, Tsz Tsit</b>
<b>Chen, Isaiah</b> *	<b>Guo, Rongan</b> †	<b>Larkin, Ryan Eric Bennett</b> †
<b>Chen, Ivan Junlong</b> *	<b>Gupta, Nandika</b> (Economics Minor)	<b>Le, Michael Minh Ky</b> †
<b>Chen, Jason Ze Sen</b> †	<b>Habibi, Rodin</b> (Software Engineering Option)	<b>Lee, Eun Seo</b> †
<b>Chen, Junran</b> (Data Science) *	<b>Hammell, Seth Joseph</b> *	<b>Lee, Ji Eun</b> (Psychology Minor) †
<b>Chen, Mark Zhen</b> *	<b>Har, Lucas Jun-Hin</b> †	<b>Lee, Simon Xiyuan</b> *
<b>Chen, Richard</b> †	<b>He, Felix Yichen</b> *	<b>Léger, Zachary Charles Joseph</b> †
<b>Chen, Si Hua</b> *	<b>He, Hongge</b> *	<b>Lei, Jenny Haoyue</b> †
<b>Chen, Yibo</b> (Human-Computer Interaction Specialization – Digital Arts Communication Minor) *	<b>He, Michael Muhong</b> †	<b>Leung, Johnny</b> *
<b>Chen, Zhen Cong</b> †	<b>He, Simeng</b> *	<b>Li, Aaron</b> (Artificial Intelligence Specialization – Combinatorics and Optimization Minor) †
<b>Chew, Kailey Lisanne</b> (Cognitive Science Minor) †	<b>He, WenFei</b> (Pure Mathematics Minor) †	<b>Li, Daniel</b> *
<b>Chiu, Tiffany</b> †	<b>Hejmej, Alexander Sebastian</b> (Business Specialization)	<b>Li, Jeffery</b> *
<b>Choi, Jiwon</b> *	<b>Hepditch, Samuel Richard</b>	<b>Li, Jonathan Yanping</b> (Combinatorics and Optimization Minor, Computational Mathematics Minor) †
<b>Chu, Rebecca Amanda</b> *	<b>Hoffman, Dylan James</b>	<b>Li, Kefei</b> (Human-Computer Interaction Specialization)
<b>Chung, Daeun</b>	<b>Holla, Shriram Gopalkrishna</b> *	<b>Li, Kenneth Zi Jian</b> †
<b>Clark, Jarod Michael Hillier</b> *	<b>Holmes, Vivienne Mary</b>	<b>Li, Kevin</b>
<b>Cobb, Jack Ross</b> (Economics Minor) *	<b>Hou, Anzhou</b> †	<b>Li, Xintong</b> (Combinatorics and Optimization Minor) †
<b>Cui, Bill Qi</b> (Artificial Intelligence Specialization) †	<b>Hou, Ningzhi</b> *	<b>Li, Yuying</b> †
<b>Cui, Jiaying</b> †	<b>Hu, Michael</b> *	<b>Li, Zeliang</b>
<b>Da Silva, Emily Elisabeth</b> *	<b>Hu, Yifan</b> *	<b>Li, Zhiqi</b> †
<b>Dai, Yiwen</b> (Artificial Intelligence Specialization – Economics Minor) *	<b>Hua, Xia</b> *	<b>Li, Zhongchi</b> (Human-Computer Interaction Specialization)
<b>Das, Anudeep</b> *	<b>Huang, Mingmei</b> †	<b>Li, Zong Gao</b> (Computational Mathematics Minor) †
<b>Diep, Derek</b> *	<b>Huang, Tommy</b> †	
<b>Ding, Kevin</b> †	<b>Huang, Zi Cheng</b> *	
<b>Ding, Shane</b> (Combinatorics and Optimization Minor) †	<b>Imanivala, Alipasha</b> (Bioinformatics Specialization)	
	<b>Islam, Muttaqi Mohammad Miftahul</b> *	
	<b>Ismail, Neel</b> *	
	<b>Jaffer, Saahil</b>	
	<b>Jain, Tapish</b> †	

\* – Distinction

† – Dean's Honours

**Liang, Moqiming** †  
**Liang, Peixin** \*  
**Lin, Alan**  
**Lin, Ben** (Combinatorics and Optimization Minor) †  
**Lin, Joyce** †  
**Lin, Xinyan** †  
**Liu, Encheng** †  
**Liu, Eric Guang Yao** \*  
**Liu, Huining** (Artificial Intelligence Specialization) †  
**Liu, Junyi** \*  
**Liu, Ke Xin** †  
**Liu, Kevin Hanfeng** \*  
**Liu, Vivian** †  
**Liu, Yifan** (Data Science) †  
**Long, Wallace Baicheng** \*  
**Long, Yuming** \*  
**Lu, Qian** †  
**Lu, Reyna** †  
**Lu, Will Hongjing** (Statistics Minor) †  
**Luo, Evan Hua** \*  
**Luo, Linhui**  
**Ma, Ruiling** (Combinatorics and Optimization Minor) †  
**Madhani, Faizaan Irfan** (Cognitive Science Minor) \*  
**Maier, Logan Francois** \*  
**Mashhud, Mihran**  
**Matlin, Daniel**  
**McGovern, Michael James John**  
**Mendoza, Geraldine** \*  
**Meng, SiYu** \*  
**Menon, Shradha**  
**Mian, Mustafa** \*  
**Mittal, Dhruv** \*  
**Moharir, Sameer** †  
**Moidu, Rayhan Aamir** †  
**Mokashi, Varun** (Combinatorics and Optimization Minor) †  
**Montemayor Gómez, Santiago** †  
**More, Parth Dnyanesh** \*  
**Mostafiz, Tahmeed** †  
**Mu, Katherine** †  
**Mufti, Imaad**  
**Mufti, Safiya** \*  
**Mutual, Charles Fox**  
**Nagabhirava, Arvind** (Data Science) †  
**Ng, Jeanie Tsz-Ying** (Economics Minor) \*  
**Nguyen, Khoa Bang**

**Nguyen, Minh Tam** †  
**Niu, Megan Xue Yan** †  
**Niu, Zeyu** (Artificial Intelligence Specialization – Combinatorics and Optimization Minor) †  
**Odell, Maxwell Benjamin** \*  
**Oren, Michael** †  
**Ouellette, Julien Blake Matthew** \*  
**Ouyang, Sky** †  
**Parikh, Vrajang Sandipkumar** †  
**Parsons, Jarrett Thomas** †  
**Patel, Shaishav** \*  
**Patel, Suraj**  
**Patricia, Cellina**  
**Pei, Edward Shiliang** †  
**Pelletier, Tenzin** †  
**Peter, Jessica** (Psychology Minor) †  
**Phadke, Ankur Shrirama** (Data Science) \*  
**Pirahalathan, Pranavan** \*  
**Qamar, Ameer**  
**Qian, Jirui** (Human-Computer Interaction Specialization)  
**Qian, Julia** †  
**Qiu, Yichuan** †  
**Raizman, Lev** †  
**Ramanathan, Abbiram** †  
**Ramessur, Nidhi Beersing**  
**Rathore, Yash** \*  
**Ratoul, Ajaybir Singh** †  
**Ren, Donnel Yuan** \*  
**Rho, Hyemin**  
**Roy, Hemika** (Digital Arts Communication Minor)  
**Saboo, Raghav** †  
**Saha, Aritra** \*  
**Sandhu, Anshpreet Kaur** \*  
**Saqib, Hamza** \*  
**Saraf, Shivam Ajay** \*  
**Sarvaria, Rohan** (Psychology Minor)  
**Seeniraj, Anish**  
**Shah, Dhruv Mihir** †  
**Shah, Vedant Bhavesh** (Artificial Intelligence Specialization) \*  
**Shan, Jiaqi** (Bioinformatics Specialization)  
**Sharma, Abhay Kumar** \*  
**Shen, Kevin** \*  
**Shi, Yuanzhe** (Combinatorics and Optimization Minor, Computational Mathematics Minor)  
**Shim, Ryan**

**Shum, Cameron Kwok Yuen** †  
**Singh, Raveen Jaden** \*  
**Singh, Zoravur** (Pure Mathematics Minor) \*  
**Sinha, Kartikey** \*  
**Song, Alyssa** †  
**Song, Jun** †  
**Sood, Naman** †  
**Speller, Christopher Robert**  
**Sreekaran, Sharujan** (Combinatorics and Optimization Minor) †  
**Stanciu, Ruxandra** †  
**Stinson, Jordan Laurence** (Economics Minor) \*  
**Su, Chenxingyu**  
**Su, Lile** \*  
**Sun, Jeremy Jieming** †  
**Sun, Yuhan** †  
**Tamiru, Daniel** (Software Engineering Specialization) †  
**Tang, Amanda Ruobing** \*  
**Tang, Leyan** \*  
**Tang, Melissa** \*  
**Tao, Austin** \*  
**Tian, Yidong**  
**Tran, William** (Psychology Minor)  
**Tsarapkine, Dmitry Dennis** \*  
**Tu, San Lok** \*  
**Upadhyay, Mrugank** (Entrepreneurship Minor) \*  
**Vakeesan, Parathan Rishi**  
**Valecha, Vaibhav** \*  
**Wang, Amy** (Software Engineering Specialization – French Minor) \*  
**Wang, Dinny** (Combinatorics and Optimization Minor) †  
**Wang, Kevin** (Combinatorics and Optimization Minor) †  
**Wang, Lucas TH** †  
**Wang, Patrick Jun** (Combinatorics and Optimization Minor) †  
**Wang, Raymond Zeng** \*  
**Wang, Talia** (Combinatorics and Optimization Minor) †  
**Wang, Victor Yuefeng** (Combinatorics and Optimization Minor) †  
**Wang, Weiqi** \*  
**Wang, William Xintian** (Data Science – Computational Mathematics Minor) \*  
**Wang, Zhiwei** \*  
**Warren, Cameron Hultin** (Peace and Conflict Studies Minor) †  
**Wei, Alexander** \*

\* – Distinction  
† – Dean's Honours



**Wei, William** \*

**Wu, Chang-Syuan** (Human-Computer Interaction Specialization)

**Wu, Qishen** †

**Wu, Victor Shijie** (Economics Minor) \*

**Wu, Yulong** (Artificial Intelligence Specialization) †

**Wu, Zeyu** \*

**Xie, Mingyue** (Human-Computer Interaction Specialization & Software Engineering Specialization) †

**Xie, Patrick** \*

**Xing, Anna** (Human-Computer Interaction Specialization – Cognitive Science Minor, Psychology Minor) †

**Xu, Jiaman** \*

**Xu, Jiaoyang**

**Xu, Longman** (Computational Mathematics Minor, Applied Mathematics Minor) †

**Xu, Shizheng**

**Xu, Yi** †

**Yadav, Ikshita** (Software Engineering Specialization – Economics Minor) \*

**Yang, Dao Bo** †

**Yang, Felix** (Data Science – Combinatorics and Optimization Minor, Computational Mathematics Minor) \*

**Yang, Hancheng** \*

**Yang, Shirui** \*

**Yang, Vincent** †

**Yao, Trevor Jialun** (Pure Mathematics Minor) †

**Yeo, Gijsson De-Xiong** †

**Yi, Richard Chong** (Data Science) †

**Yildirim, Abdullah**

**Yin, Haoyu** †

**Yu, Henry** †

**Yu, René**

**Yu, Xiang Wen** (Combinatorics and Optimization Minor) †

**Yuan, Ke Xin** (Statistics Minor) †

**Yuan, Yi Lin** †

**Yue, Mingzhou** \*

**Yue, Zhongqi** (Statistics Minor) †

**Yun, Victor An** †

**Zhang, Hanwen** \*

**Zhang, Jack** (History Minor)

**Zhang, Jannis Shiheng** (Data Science) †

**Zhang, Jeffrey** \*

**Zhang, Xindan** (Statistics Minor) †

**Zhang, Yanting** †

**Zhang, Yilin** \*

**Zhao, Harry Zihan** †

**Zhao, Yuxiao** \*

**Zhong, Yi Ning** (Human-Computer Interaction Specialization) †

**Zhou, Devin** (Business Specialization) \*

**Zhou, Juan** \*

**Zhou, Xinyi** †

**Zhou, Yuze** \*

**Zhou, Zhilin** (Data Science – Combinatorics and Optimization Minor) †

**Zhu, Alyssa Jiarong** \*

**Zhu, Bowen Shen** (Economics Minor) \*

**Zibman, Tomer** \*

**Zotkin, Daniel Irvin** (Business Specialization)

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## BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT

### HONOURS CO-OPERATIVE PROGRAM

**Chawla, Keshav** †

**Chu, Bach Xuan**

**Feng, Qian Yi**

**Fu, Jiaying** (Management Studies Minor) \*

**Guo, JingYi** (Combinatorics and Optimization Minor) †

**Huang, Yingying** (Cognitive Science Minor)

**Lin, Xuntian** \*

**Luo, Binhao** †

**Luo, Jieni**

**Seto, Adrian Zhuolang** †

**Shamroni, Dennis**

**Shi, Shu Qun** †

**Starr, Alexander Joseph** (International Trade Minor) †

**Sun, Andrew Jia-Ming** \*

**Sung, Catherine Jade** \*

**Vora, Shrimad Brijesh**

**Vu, Ada-Hanh Hieu** \*

**Wen, Benjamin**

**Xin, Gary** †

**Yang, Tian Qi** \*

**Zhang, Daniel**

**Zhang, Yilan** \*

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## BACHELOR OF MATHEMATICS

### HONOURS PROGRAM

**Fu, Roger Jiaqi** (Computer Science & Honours Combinatorics and Optimization) †

**Kang, Richard Yizhe** (Computer Science & Honours Pure Mathematics) \*

**Liu, Kezhen** (Computer Science) †

**Mausberg, Jacob Solomon** (Computer Science & Honours Pure Mathematics – Combinatorics and Optimization Minor) †

**Miao, Stanley Jinbo** (Computer Science) †

**Qu, Zehong** (Computer Science & Honours Actuarial Science & Honours Statistics) †

**So, Chung Yin** (Computer Science – Statistics Minor) \*

**Wan, Kevin** (Computer Science & Honours Combinatorics and Optimization) †

**Yeo, Keng Hoang Winston** (Computer Science) †

**Yu, Junlin** (Computer Science & Honours Computational Mathematics)

**Yu, Talfryn** (Computer Science – Statistics Minor, Actuarial Science Minor) \*

**Yuan, Mengyu** (Computer Science & Honours Combinatorics and Optimization) †

### HONOURS CO-OPERATIVE PROGRAM

**Al-Hellawi, Layth Ali** (Computer Science & Honours Pure Mathematics – Combinatorics and Optimization Minor) †

**Chen, Linchuan** (Computer Science & Honours Combinatorics and Optimization) †

**Girardin, Evan Xavier** (Computer Science & Honours Pure Mathematics) †

**Hall, Jack Owen** (Computer Science & Honours Combinatorics and Optimization) †

**Huang, Yuqing** (Computer Science) \*

**Kis, Anna Borbála** (Computer Science & Honours Pure Mathematics) \*

**Lee, Gerald** (Computer Science – Combinatorics and Optimization Minor) \*

**Li, Boyang** (Computer Science – Combinatorics and Optimization Minor) †

\* – Distinction

† – Dean's Honours

**Mao, Dayou** (Computer Science & Honours Combinatorics and Optimization & Honours Statistics) †

**Ngan, Alex** (Computer Science & Honours Statistics) \*

**Palage, Cristian Adrian** (Computer Science & Honours Computational Mathematics)

**Pun, Ava** (Computer Science & Honours Combinatorics and Optimization) †

**Sun, Gary** (Computer Science & Honours Combinatorics and Optimization – Pure Mathematics Minor) †

**Tjowasi, Valentino Dante** (Computer Science & Honours Pure Mathematics) †

**Vandenberg, Erik Jan** (Computer Science) \*

**Wu, Derek** (Computer Science & Honours Pure Mathematics) †

**Wu, Ruotian** (Computer Science & Honours Statistics) †

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## **DIPLOMA IN CHINESE LANGUAGE II**

Shen, Kevin

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## **DIPLOMA IN FRENCH LANGUAGE II**

Sandhu, Anshpreet Kaur

---

## **DIPLOMA IN ITALIAN LANGUAGE**

Chew, Kailey Lisanne

---

## **DIPLOMA IN JAPANESE LANGUAGE I**

Chan, Andrew Anze

Chen, Frank

Fu, Roger Jiaqi

Hua, Xia

Kim, Jacob

Mo, Yilin

Wang, Zhiwei

Yu, Andy

Yu, René

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## **DIPLOMA IN JAPANESE LANGUAGE II**

Zhou, Yun Ze

---

## **DIPLOMA IN SUSTAINABILITY**

Johnston, Samuel Joseph

---

## **CERTIFICATE IN GLOBAL EXPERIENCE**

Chan, Andrew Anze

Shi, Shuyao

\* – Distinction

† – Dean's Honours



# AFTERNOON CEREMONY

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

# Graduate Degrees

---

## DOCTOR OF PHILOSOPHY

**Bui, Thi Quynh Trang** (Statistics)  
“Design and Analysis of Experiments on Networks”

**Hou, Zhaoran** (Statistics)  
“Sequential Monte Carlo for Applications in Structural Biology, Financial Time Series and Epidemiology”

**Jian, Jie** (Statistics)  
“Edge Estimation and Community Detection in Time-Varying Networks”

**Lashkari, Banafsheh** (Statistics)  
“Measurement System Assessment Studies for Multivariate and Functional Data”

**Mussavi Rizi, Marzieh** (Statistics – Biostatistics)  
“Dynamic Treatment Regimes and Interference in Dyadic Networks: A Joint Optimization Approach”

**Panahi, Mahsa** (Statistics)  
“Statistical Methods in the Search for a Dominant Cause of Variation”

**Salahub, Christopher** (Statistics)  
“Explorations in Pairwise Measures of Dependence and Pooled Significance”

**Wang, Lijia** (Statistics)  
“Joint Modeling, Variable Selection and Multiply Robust Estimation in Mediation Analysis With Multiple Mediators”

---

## MASTER OF DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

**Amraoui, Elarbi** (Co-operative Program)

**Bihani, Sonal** (Co-operative Program)

**Chen, Shengye** (Co-operative Program)

**Chen, Yuqing** (Co-operative Program)

**Cheung, Ian Long Yat** (Co-operative Program)

**Chintala, Tejas** (Co-operative Program)

**Gu, Jia Yi** (Co-operative Program)

**Guo, Ziyang** (Co-operative Program)

**Huang, Zirong** (Co-operative Program)

**Jamdade, Ankita Bhalchandra** (Co-operative Program)

**Krishnan, Radhika**

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

**Liu, Ka Yat** (Co-operative Program)

**Liu, Yuxuan** (Co-operative Program)

**Maia De Sampaio Ferraz, Pedro** (Co-operative Program)

**Plowman, Hunter Hartley** (Co-operative Program)

**Qu, Guan Hua** (Co-operative Program)

**Shan, Tao** (Co-operative Program)

**Srivatsan, Shruti** (Co-operative Program)

**Takasaka, Callum Tomio** (Co-operative Program)

**Taslimi, Soroush** (Co-operative Program)

**Wang, Pei** (Co-operative Program)

**Wang, Xiyao** (Co-operative Program)

**Wang, Xuhui** (Co-operative Program)

**Xu, Tianhua** (Co-operative Program)

**Zaffar, Umaid Muhammad** (Co-operative Program)

**Zhang, Jianing** (Co-operative Program)

**Zheng, Peiyi** (Co-operative Program)

**Zheng, Yujia** (Co-operative Program)

**Zhou, Xuqi** (Co-operative Program)

**Mboya, Mwasi Paza** (Actuarial Science)

**Okaeme, Nneka Clarice** (Statistics)

**Rangipour, Zahra** (Statistics)

**Schmidt, Pascal David Fabian** (Statistics)

**Shirazi, Mohammad Mohibullah Khan** (Data Science)

**Yeung, Tat Tin** (Actuarial Science)

**Youn, Sohoon** (Statistics)

**Yu, Junyi** (Statistics)

**Zhou, Peng** (Actuarial Science)

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## MASTER OF QUANTITATIVE FINANCE

Cotturo, Paul Sante  
Jiang, Mingyi  
Jiang, Wenhan  
Liu, Albert Zhongqi  
Liu, Hao Ting  
Liu, Jianjun  
Pan, Ziwei  
Shao, Yuxuan  
Shen, Fanrui  
Wang, Jian Feng  
Xie, Han  
Xu, Hairui  
Yao, Chengkun  
Zhao, Weihua

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## MASTER OF MATHEMATICS

**Afable, John Virgilio Banda** (Statistics – Co-operative Program)

**Bandara, Manthi Pamalka** (Statistics)

**Chen, Boqiao** (Actuarial Science)

**Chen, Marc Andre** (Data Science)

**Cranstone, Madison Arlene** (Biostatistics – Co-operative Program)

**Fouda, Khaled** (Statistics)

**Golberg, Meira** (Biostatistics – Co-operative Program)

**Hao, Wenqing** (Statistics)

**Ji, Christopher Chenzuo** (Statistics)

**Kim, Dongyoung** (Statistics)

**Ladtchenko, Vsevolod** (Statistics)

**Liu, Conghui** (Statistics)

**Liu, Xiaonan** (Statistics)

# Undergraduate Degrees

---

## BACHELOR OF COMPUTER SCIENCE

### HONOURS PROGRAM

**Han, Chengxu** (Business Administration and Computer Science)

**Le, Anh Tuan** (Business Administration and Computer Science) †

**Liu, Julia Jieying** (Business Administration and Computer Science) \*

**Matsuda, Owen Samuel Makana** (Business Administration and Computer Science) \*

**Mera, Zack** (Business Administration and Computer Science – Software Engineering Specialization)

**Pujji, Sameer Singh** (Business Administration and Computer Science) \*

**Sagun, Snehal** (Business Administration and Computer Science – Software Engineering Specialization) \*

**Wang, David Lushun** (Business Administration and Computer Science) \*

**Yang, Cindy** (Business Administration and Computer Science)

### HONOURS CO-OPERATIVE PROGRAM

**Chen, Hong Yi** (Business Administration and Computer Science) †

**Gillan, Rahma Tahir** (Business Administration and Computer Science) \*

**Gupta, Arnav** (Business Administration and Computer Science)

**Huang, Tengyi** (Business Administration and Computer Science) \*

**Jiwani, Aly Muhammad** (Business Administration and Computer Science) \*

**Kapadia, Adil Munisali** (Business Administration and Computer Science) \*

**Li, Daniel KS** (Business Administration and Computer Science) \*

**Li, Evelyn Pui Lam** (Business Administration and Computer Science) †

**Li, Ke Yu** (Business Administration and Computer Science) †

**Li, Yuxuan** (Business Administration and Computer Science – Human-Computer Interaction Specialization) \*

**Liu, Mingyu** (Business Administration and Computer Science) †

**Lu, Daniel** (Business Administration and Computer Science) †

**Patel, Abhishek** (Business Administration and Computer Science)

**Qin, Shi Han** (Business Administration and Computer Science) †

**Royston, Brayden Grady** (Business Administration and Computer Science) \*

**Tam, Matthew Lik Tin** (Business Administration and Computer Science) †

**Tătar, Denis Laurențiu** (Business Administration and Computer Science)

**Wang, Tailai** (Business Administration and Computer Science) \*

**Wang, Zimeng** (Business Administration and Computer Science) \*

**Witzke, Isaiah James** (Business Administration and Computer Science) †

**Xie, Yuxi** (Business Administration and Computer Science) \*

**Xu, Stephanie** (Business Administration and Computer Science) †

**Zhang, Zizhuo George** (Business Administration and Computer Science) \*

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## BACHELOR OF MATHEMATICS

### HONOURS PROGRAM

**Aby, Kevin George** (Statistics & Honours Computational Mathematics – Computing Minor) \*

**Adelman, Micah Peter Zarry** (Business Administration and Mathematics)

**Aneel, Mohit** (Actuarial Science – Statistics Minor) \*

**Belford, Liam Joseph** (Biostatistics) \*

**Bhargo, Abhishek** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)

**Boodhoo, Matthew Lester Solomon** (Actuarial Science & Honours Statistics) †

**Brown, Jason Raynor D’Alessandro** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)

**Chang, JeongHan** (Statistics)

**Chao, Ruiyun** (Data Science) \*

**Chen, Yige** (Statistics – Actuarial Science Minor) \*

**Chen, Ziang** (Statistics)

**Chen Fang, Bi Ying** (Statistics & Honours Computational Mathematics)

**Chen-Xu, Odelia** (Business Administration and Mathematics – Statistics Minor, Actuarial Science Minor) \*

**Cheung, David Chak Shun** (Actuarial Science)

**Dai, Minbeier** (Statistics – Computational Mathematics Minor)

**de Campos, Michael Alexander** (Actuarial Science & Honours Statistics) †

**Dhingra, Pival** (Statistics – Computing Minor)

**Dong, Ziyuan** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)

**Duong, Kaitlin Victoria** (Business Administration and Mathematics – Computing Minor) \*

**Fang, Zezhao** (Statistics)

**Faulhammer, Danika Kristina Eve** (Business Administration and Mathematics – Statistics Minor)

**Feng, Yumeng** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization)

**Gao, Runqing** (Business Administration and Mathematics & Honours Statistics) \*

**Gesic, Landyn Jay** (Statistics)

**Gilroyed, Ashley Ann** (Biostatistics)

**Grewal, Tanjot Kaur** (Actuarial Science & Honours Statistics) \*

**Gui, Yuanxin** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Economics Minor)

\* – Distinction

† – Dean’s Honours

- Hao, Jiayi** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization)
- He, Xinyu** (Statistics) †
- Hong, Jiaming** (Statistics)
- Huang, Chuyu** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization)
- Imdoukh, Haya** (Actuarial Science – Statistics Minor)
- Ji, Runlin** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization)
- Jiang, Zihui** (Statistics)
- Jin, Yehui** (Statistics)
- Kok, Yen Zein** (Statistics & Honours Computational Mathematics – Computing Minor) \*
- Lai, Justin Nai-Sheng** (Statistics – Actuarial Science Minor) \*
- Latourell, Julie Anna** (Statistics – Computing Minor) \*
- Lau, Adrian Yat-Hong** (Statistics)
- Lee, Seung Min** (Statistics – Computing Minor) \*
- Lei, Yuxiang** (Statistics)
- Li, Anqi** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Statistics Minor) \*
- Li, Binkai** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) †
- Li, Jinming** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Statistics Minor)
- Li, Lejing** (Actuarial Science & Honours Statistics) \*
- Li, Luning** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization) †
- Li, Rongqing** (Statistics)
- Li, Sen** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization) \*
- Li, Xinyi** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Statistics Minor)
- Li, Yunmeng** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor)
- Lin, Cunyu** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Computing Minor)
- Lin, Shanshan** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor)
- Lin, Xi** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization) \*
- Lin, Xutao** (Statistics – Actuarial Science Minor)
- Liu, Arnold Zihe** (Statistics – Computing Minor) \*
- Liu, Fangyi** (Actuarial Science) \*
- Liu, Mingqiu** (Statistics) \*
- Liu, Xinxia** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization)
- Liu, Yijun** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*
- Lu, Muyang** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Statistics Minor) \*
- Lu, Peizhen** (Statistics – Actuarial Science Minor)
- Luo, Haowen** (Statistics – Computational Mathematics Minor)
- Lyu, Qinyang** (Statistics – Combinatorics and Optimization Minor, Computing Minor) †
- Ma, Junyu** (Statistics – Computational Mathematics Minor)
- Ma, Mengyan** (Statistics – Actuarial Science Minor)
- Ma, Ruoyan** (Statistics) \*
- Meng, Yongjie** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*
- Muthukumaraswamy, Johann Arjun** (Actuarial Science – Finance Specialization – Statistics Minor)
- Nguyen, Phuong Anh** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) †
- Pan, Tingxuan** (Actuarial Science & Honours Statistics) \*
- Pan, Yining** (Statistics)
- Peng, Jingming** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) \*
- Peng, Yuanhao** (Statistics – Computing Minor) \*
- Pepton, Zachary Scott** (Business Administration and Mathematics – Pure Mathematics Minor)
- Qian, Jiachen** (Actuarial Science & Honours Statistics & Honours Combinatorics and Optimization) \*
- Qiao, Jingbo** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)
- Qiu, Yue** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*
- Rao, Qi** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)
- Ren, Ziheng** (Actuarial Science & Honours Statistics) \*
- Seo, Seong Gwan** (Statistics – Computing Minor) \*
- Sethi, Pranav** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Computing Minor) \*
- Shan, Zhiqing** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor)
- Shen, Tianhong** (Actuarial Science & Honours Statistics) †
- Shin, Wonjoon** (Statistics & Honours Computational Mathematics – Computing Minor, Economics Minor) \*
- Si, Yitong** (Statistics) \*
- Sun, Hexuan** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization) \*
- Tan, Xiangru** (Data Science) †
- Tian, Che** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization)
- Tian, Siyi** (Statistics)
- Van Meerbergen, Matthew Peter** (Business Administration and Mathematics – Statistics Minor)
- Walia, Sachit** (Joint Statistics & Joint Honours Pure Mathematics)
- Wan, Zhonglin** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) \*
- Wang, Haozhen** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) †

\* – Distinction  
† – Dean's Honours

**Wang, Jia** (Statistics – Computing Minor) \*

**Wang, Jiayi** (Actuarial Science – Predictive Analytics Specialization & Honours Statistics) \*

**Wang, Ruiyu** (Statistics) †

**Wang, Silin** (Actuarial Science & Honours Statistics) \*

**Wang, Yinuo** (Statistics)

**Wang, Zirui** (Statistics) \*

**Wilczynski, Marcin Piotr** (Data Science)

**Wong, Peter** (Actuarial Science – Finance Specialization & Joint Honours Statistics)

**Woungang, Lenny-Seupa Seupa** (Statistics – Economics Minor)

**Wu, Junru** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization)

**Wu, Siyi** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization) \*

**Xiang, Yu** (Actuarial Science & Honours Statistics) \*

**Xiao, Yixin** (Actuarial Science & Honours Statistics) †

**Xiong, Yifan** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization – Statistics Minor)

**Xu, Linqing** (Mathematics/Financial Analysis & Risk Management – Chartered Financial Analyst Specialization – Statistics Minor) \*

**Xu, Pengwei** (Statistics) \*

**Xu, Shengqing** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) \*

**Xu, Wenning** (Statistics – Computational Mathematics Minor) \*

**Xu, Xinlei** (Statistics & Honours Mathematical Finance – Pure Mathematics Minor) †

**Xue, Kewei** (Statistics)

**Yan, Aoli** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization – Statistics Minor) \*

**Yang, Running** (Statistics – Computing Minor) \*

**Yu, Ruiqi** (Biostatistics)

**Zaeem, Natasha Khurram** (Actuarial Science)

**Zang, Bryan Shu** (Statistics & Honours Computational Mathematics – Computing Minor)

**Zhang, Danqing** (Actuarial Science & Honours Statistics)

**Zhang, Haolin** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization) \*

**Zhang, Songyuan** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization – Statistics Minor) †

**Zhang, Xinyin** (Actuarial Science & Honours Statistics) \*

**Zhang, Yanzhe** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization) \*

**Zhang, Yuan Chen** (Mathematics/Financial Analysis & Risk Management –Chartered Financial Analyst Specialization)

**Zhang, Yue** (Data Science) \*

**Zhang, Yuhan** (Data Science) †

**Zhang, Zehao** (Actuarial Science & Honours Statistics) \*

**Zhao, Edward** (Statistics) \*

**Zhao, Hongzhen** (Actuarial Science & Honours Statistics)

**Zhao, Lingyu** (Statistics – Computational Mathematics Minor, Computing Minor) \*

**Zhen, Zihao** (Statistics & Honours Applied Mathematics – Computing Minor) \*

**Zhu, Mini** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization – Statistics Minor) \*

**Zhu, Qingyuan** (Statistics) \*

**Zhu, Shiyu** (Business Administration and Mathematics & Honours Statistics) \*

**Zhu, Yiran** (Statistics) \*

**Zuo, Zhonghao** (Statistics & Honours Actuarial Science) \*

**HONOURS CO-OPERATIVE PROGRAM**

**Aruna** (Mathematics/Financial Analysis & Risk Management–Chartered Financial Analyst Specialization) \*

**Akhtar, Muhammad Hassaan** (Statistics – Actuarial Science Minor)

**Ali, Rida** (Actuarial Science & Honours Statistics) \*

**Amin, Ishan Dharmesh** (Business Administration and Mathematics & Honours Statistics) \*

**An, Trung Thanh** (Statistics)

**Anderson, Aiden Matthew** (Statistics – Combinatorics and Optimization Minor, Computational Mathematics Minor)

**Antala, Deep Sudhirbhai** (Actuarial Science & Honours Statistics) \*

**Antonia, Ariella** (Statistics) \*

**Apang, Kelsi Rose** (Actuarial Science & Honours Statistics)

**Aseerwatham, Nandika Angeline** (Statistics)

**Bajaj, Alisha** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization)

**Barbu, Sarah** (Mathematics–Chartered Professional Accountancy) \*

**Barker, Lachlan Peter** (Statistics)

**Bhullar, Gureet Kaur** (Actuarial Science & Honours Statistics) †

**Bian, Hao Xiang** (Actuarial Science – Predictive Analytics Specialization & Honours Statistics)

**Cai, Keying** (Mathematics/Financial Analysis & Risk Management–Professional Risk Management Specialization – Statistics Minor) †

**Cai, Yuru** (Mathematics–Chartered Professional Accountancy) \*

**Caldwell, Joshua William** (Data Science) \*

**Cao, Jijiang** (Mathematics/Financial Analysis & Risk Management–Chartered Financial Analyst Specialization & Honours Statistics) \*

**Caruso, Christopher Thomas Michael DiMarco** (Actuarial Science & Honours Statistics)

**Chen, Jiaen** (Mathematics/Financial Analysis & Risk Management–Chartered Financial Analyst Specialization) \*

**Chen, Jinru** (Statistics – Computing Minor) \*

**Chen, Mark** (Statistics) \*

**Chen, Mofei** (Statistics)

**Chen, Ting Xi** (Statistics)

**Chen, Yifei** (Actuarial Science & Honours Statistics)

**Chen, Zhishan** (Statistics & Honours Computational Mathematics) \*

**Cheung, Lik Sang Nathan** (Mathematics–Chartered Professional Accountancy)

**Chi, Shen** (Mathematics/Financial Analysis & Risk Management–Chartered Financial Analyst Specialization) †

\* – Distinction

† – Dean's Honours

- Chiang, Leo Yu-Hin** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
- Choi, Gaeun** (Mathematics/Chartered Professional Accountancy – Finance Option)
- Choi, Ji Min** (Actuarial Science & Honours Statistics)
- Choi, Jun Ho** (Actuarial Science & Joint Honours Statistics)
- Chow, Katherine** (Actuarial Science & Honours Statistics) \*
- Chung, Steven Phuc Vinh** (Statistics – Computing Minor) \*
- Colella, Sofia Cristina** (Actuarial Science/Finance Option) †
- Cong, Zhongxiao** (Mathematics-Chartered Professional Accountancy) \*
- Constantinescu, Diana** (Statistics & Honours Mathematical Optimization – Operations Research Specialization – French Minor) \*
- Dada, Mallika** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Computing Minor) \*
- Deng, Shuyue** (Mathematics-Chartered Professional Accountancy) †
- Dewan, Mayukh** (Statistics – Physics Minor, Applied Mathematics Minor) \*
- Diebold, Kelsey Paige** (Business Administration and Mathematics – Computing Minor)
- Ding, Yixin** (Business Administration and Mathematics & Honours Statistics – Actuarial Science Minor, Computational Mathematics Minor) †
- Feng, Lezhou** (Statistics & Honours Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) †
- Fu, Siyuan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
- Gomes, Jacob Raposo** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Computing Minor) †
- Gomolka, Emily** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
- Gressmann, Amanda Nicole** (Mathematics/Chartered Professional Accountancy – Finance Option – Statistics Minor) †
- Gu, Zhenqin** (Mathematics/Chartered Professional Accountancy – Finance Option) †
- Guan, Hong** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Honours Statistics) \*
- Gudhka, Darshil Ketan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*
- Guo, Dylan** (Statistics – Economics Minor, Computing Minor) †
- Han, Jiaxi** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) †
- Hassan, Mir Zafin** (Statistics)
- Ho, Chi Chuen Kelvin** (Mathematics/Chartered Professional Accountancy – Finance Option) \*
- Hsia, Yuan-Chih** (Statistics – Actuarial Science Minor)
- Hsu, Edmond Jeffrey** (Mathematics-Chartered Professional Accountancy)
- Hua, Ciyang** (Mathematics-Chartered Professional Accountancy – Actuarial Science Minor, Statistics Minor) \*
- Huang, Andrew** (Statistics – Computing Minor) \*
- Huang, Jade Cuiying** (Actuarial Science – Computing Minor)
- Ignatov, Nicola** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
- Iqbal Singh, Amandeep Singh** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)
- Jang, Soyeon** (Statistics – Computing Minor) \*
- Janszen-Spitman, Sophia Gabrielle** (Business Administration and Mathematics)
- Jayanti, Aditya** (Statistics – Computing Minor) \*
- Jiang, Jingwen** (Mathematics-Chartered Professional Accountancy)
- Jiang, Raymond** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*
- Jing, Linhan** (Mathematics/Chartered Professional Accountancy – Finance Option – Computing Minor)
- Jung, Jae Ho** (Statistics & Honours Computational Mathematics – Combinatorics and Optimization Minor)
- Kaiser, Samantha Rae** (Mathematics/Chartered Professional Accountancy – Finance Option) †
- Kapoor, Mannat** (Statistics) \*
- Kim, Elijah** (Statistics – Computing Minor) \*
- Kong, Lingyu** (Actuarial Science & Honours Statistics) †
- Kumar, Ritik** (Actuarial Science) \*
- Kumar, Sailesh** (Actuarial Science & Honours Statistics) \*
- Laad, Amisha Rajendra** (Actuarial Science & Honours Statistics) \*
- Lafortune, Audrey** (Actuarial Science – Finance Specialization & Joint Honours Statistics)
- Leclair, Jessica Lauren** (Statistics – Applied Mathematics Minor)
- Lee, Jodi Anh** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor)
- Li, Guoqian** (Actuarial Science – Predictive Analytics Specialization & Honours Statistics) †
- Li, Jiayi** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Psychology Minor)
- Li, Sihan** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*
- Li, Xiang** (Business Administration and Mathematics & Honours Statistics) \*
- Li, Xuanyi** (Actuarial Science – Predictive Analytics Specialization & Honours Statistics) †
- Li, Yuchen** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization & Joint Honours Statistics) \*
- Liang, Daniel Hanjie** (Business Administration and Mathematics)
- Liang, Jun Liang** (Mathematics-Chartered Professional Accountancy)
- Liang, Ying** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) †
- Liao, Tianai** (Business Administration and Mathematics) †
- LIN, SIJING** (Actuarial Science – Statistics Minor) †
- Lin, Xu Wen** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization)

\* – Distinction  
† – Dean's Honours



**Liu, Chutian** (Mathematics/Chartered Professional Accountancy – Finance Option)

**Liu, Duoduo** (Actuarial Science & Honours Mathematical Finance & Honours Statistics) \*

**Liu, Jiayun** (Actuarial Science – Finance Specialization & Honours Statistics) †

**Liu, Shicong** (Actuarial Science & Honours Statistics) †

**Liu, Shiyi** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor) \*

**Liu, Shuran** (Actuarial Science & Honours Statistics) \*

**Liu, Zhiwei** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) †

**LIU, Zhixuan** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*

**Liu, Zi Yi** (Actuarial Science & Honours Statistics) \*

**Loffree, Xavier Haydn** (Biostatistics) \*

**Lu, Yi** (Statistics & Honours Applied Mathematics)

**Luo, Xiyin** (Actuarial Science & Honours Statistics) \*

**Luthra, Kunal** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

**Lyu, Sicheng** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Ma, Celinda** (Mathematics-Chartered Professional Accountancy – Statistics Minor, Philosophy Minor) \*

**Ma, Katherine Yeji** (Actuarial Science & Honours Statistics) †

**Ma, Xuerou** (Actuarial Science & Honours Statistics) \*

**Madan, Anhad Raj Singh** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) †

**Mak, Jodi Yuen Kei** (Statistics)

**Mills, Cameron Alastair** (Actuarial Science & Honours Biostatistics) †

**Mirandola, Cynthia Fernanda** (Business Administration and Mathematics – Computing Minor) †

**Mohammed, Seline Sana** (Actuarial Science – Statistics Minor)

**Mustatea, Damian Shiva** (Statistics & Honours Computational Mathematics)

**Naik, Nidhi** (Business Administration and Mathematics & Honours Actuarial Science) †

**Ng Cheng Hin, Edward Jefferson** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

**Nguyen, Stephanie** (Mathematics/Chartered Professional Accountancy – Finance Option) \*

**Nurani, Aman Nizar** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*

**Oancea, Alex** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Odurny, Lewis Anthony** (Mathematics/Chartered Professional Accountancy – Finance Option) \*

**Ou, Christine Jing Yan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Ou, Tianyu** (Actuarial Science & Honours Statistics) \*

**Ouyang, Yufan** (Data Science) †

**Pabla, Gurakam** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Pang, Yuyang** (Business Administration and Mathematics & Honours Statistics)

**Parikh, Aryan Nikunj** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Computational Mathematics Minor) \*

**Patel, Dhvani J** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor, Computing Minor) \*

**Paterson, Naomi Jocelyn** (Business Administration and Mathematics)

**Ragulan, Lavan** (Actuarial Science & Honours Statistics)

**Raisinghani, Anusha Ajeet** (Data Science – Economics Minor) †

**Ravikulan, Kogul** (Actuarial Science & Honours Statistics)

**Ryu, Soomin** (Actuarial Science – Statistics Minor, Economics Minor)

**Savic, Zoran** (Business Administration and Mathematics)

**Seto, Kyle Jason** (Statistics – Computing Minor)

**Shekhar, Harsh** (Statistics – Economics Minor)

**Shen, Minhall** (Statistics)

**Shen, Steven** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Joint Honours Statistics)

**Shen, Xinyi** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization & Honours Statistics) †

**Shen, Yuxuan** (Mathematics/Chartered Professional Accountancy – Finance Option)

**Sheng, Xinyi** (Statistics) \*

**Shi, Bingzong** (Actuarial Science & Honours Statistics)

**Shi, Haolan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

**Shi, Jiamin** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization & Honours Statistics)

**Shi, Qing** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization & Honours Statistics) \*

**Shi, Yuwei** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*

**Singh, Melissa Katrina** (Actuarial Science & Joint Honours Statistics)

**Singh, Vani** (Statistics & Joint Honours Actuarial Science)

**Sinha, Nikita** (Actuarial Science & Honours Statistics) †

**Sivajohan, Akilsan** (Business Administration and Mathematics & Honours Statistics)

**Song, Dennis** (Mathematics-Chartered Professional Accountancy)

**Song, Yeeun** (Business Administration and Mathematics & Honours Statistics)

**Starr, Tyler Joseph** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization & Honours Computational Mathematics – Computer Science Minor) \*

**Sun, Bo Wei** (Statistics) \*

**Sun, Xinyi** (Mathematics-Chartered Professional Accountancy)

**Sutherland, Allison Isabel Lundy** (Business Administration and Mathematics – Statistics Minor, Computational Mathematics Minor) †

**Tabor, Logan Grace Allen** (Data Science) †

\* – Distinction

† – Dean's Honours

**Tam, Matthew Lap-yin** (Mathematics/Chartered Professional Accountancy – Finance Option) †

**Tang, Zhuofan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Tesqie, Yaser** (Actuarial Science – Statistics Minor)

**Thai, Eric** (Business Administration and Mathematics – Statistics Minor) †

**Tom, Mylissa Anne** (Statistics) \*

**Tran, Hien Thanh** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*

**Trinh, Cindy** (Actuarial Science) \*

**Tse, Adam Tin-Kin** (Data Science) †

**Tso, Vivian Wai Chi** (Mathematics-Chartered Professional Accountancy – Combinatorics and Optimization Minor) †

**Tudosie, Marius Andrei** (Business Administration and Mathematics & Honours Mathematical Optimization – Operations Research Specialization)

**Unrau, Matthew David** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Actuarial Science Minor) \*

**Van, Angela Gong Wai** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) †

**Van Wyk, Nathan Gerald** (Business Administration and Mathematics & Honours Statistics – Actuarial Science Minor, Combinatorics and Optimization Minor) †

**Wallis, Samantha** (Statistics – Computing Minor)

**Wan, Guozhang** (Statistics)

**Wang, Dongyun** (Actuarial Science & Honours Statistics)

**Wang, Jiawei** (Data Science) †

**Wang, Mali** (Data Science) †

**Wang, Shiyu** (Business Administration and Mathematics & Joint Honours Statistics)

**Wang, Tianyu** (Statistics & Joint Honours Actuarial Science)

**Wang, Yalun** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*

**Wang, Zhenshen** (Actuarial Science & Honours Statistics) †

**Wang, Zihan** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor) †

**Wang, Ziwei** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) †

**Wei, Lan** (Mathematics-Chartered Professional Accountancy – Statistics Minor) †

**Won, Yereen** (Mathematics/Chartered Professional Accountancy – Finance Option)

**Woods, Joel Chamberlain** (Statistics – Music Minor) †

**Wu, Wenjie** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*

**Xiong, Xiaoqing** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) \*

**Xu, Andrew Ruoshui** (Business Administration and Mathematics & Honours Statistics) †

**Xu, Chen Yang** (Biostatistics) \*

**Xu, Ming** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

**Xu, Oulu** (Mathematics-Chartered Professional Accountancy) \*

**Xu, Yuan** (Actuarial Science & Honours Statistics)

**Xu, Ziyu** (Data Science) †

**Yabrov, Matthew Jonah** (Mathematics-Chartered Professional Accountancy) †

**Yang, Derek** (Statistics – Computing Minor)

**Yang, Yiyuan** (Statistics) †

**Yao, Lyucheng** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*

**Ye, Ruobing** (Data Science) \*

**Yeung, Jaimee Hosee** (Statistics – Computing Minor)

**Yin, Peiqi** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization) †

**Yu, Haokun** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Yu, Jiayi** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Honours Statistics) †

**Yu, Miao** (Mathematics-Chartered Professional Accountancy)

**Yu, Yan** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Honours Computational Mathematics) †

**Yu, Yue** (Statistics)

**Yuan, Aijia** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization & Honours Statistics) †

**Zhang, Boxiao** (Actuarial Science & Honours Statistics) \*

**Zhang, Justin Juntao** (Business Administration and Mathematics & Honours Mathematical Finance & Honours Statistics) †

**Zhang, Simiao** (Business Administration and Mathematics & Honours Statistics) †

**Zhang, Xiwen** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization – Statistics Minor) †

**Zhang, Xuechen** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) †

**Zhang, Xuefei** (Mathematics-Chartered Professional Accountancy – Actuarial Science Minor, Statistics Minor) †

**Zhao, Daniel** (Actuarial Science & Honours Statistics)

**Zhao, Mingjie** (Data Science) †

**Zhao, Sibe** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization)

**Zhao, Wen Xuan** (Statistics & Honours Mathematics/Business Administration – Computing Minor)

**Zhao, Xiaoou** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

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

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

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

**Zheng, Chonghe** (Business Administration and Mathematics & Honours Statistics)

\* – Distinction  
† – Dean's Honours

**Zhu, Haoning** (Actuarial Science & Honours Statistics) \*

**Zhu, Zhenyi** (Mathematics/Financial Analysis & Risk Management-Chartered Financial Analyst Specialization) \*

**Zhuang, Kezhi** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization – Statistics Minor) \*

**Zou, Bowen** (Mathematics/Financial Analysis & Risk Management-Professional Risk Management Specialization)

**Zou, Jingyi** (Business Administration and Mathematics & Honours Mathematical Finance & Honours Statistics) †

**Zu, Keer** (Actuarial Science – Predictive Analytics Specialization & Honours Statistics) †

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## **DIPLOMA IN CHINESE LANGUAGE I**

Loffree, Xavier Haydn

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## **DIPLOMA IN FRENCH LANGUAGE II**

Loffree, Xavier Haydn

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## **DIPLOMA IN JAPANESE LANGUAGE I**

Antonia, Ariella  
Cheung, David Chak Shun  
Tso, Vivian Wai Chi  
Zhao, Lingyu

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## **DIPLOMA IN KOREAN LANGUAGE I**

He, Xinyu

---

## **DIPLOMA IN SPANISH LANGUAGE I**

Chen Fang, Bi Ying

---

## **CERTIFICATE IN EXPERIENTIAL EDUCATION**

Dhingra, Pival  
Rao, Qi

---

## **CERTIFICATE IN GLOBAL EXPERIENCE**

Chow, Katherine

\* – Distinction

† – Dean's Honours



# EVENING CEREMONY

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Allum, Donovan James McMurrich**

(Applied Mathematics)  
“Simulations of Radiatively Driven Convection and Spatially Heterogeneous Solar Radiation Intensity in Ice-Covered Lakes”

**Chen, Qiuting** (Combinatorics and Optimization)  
“Bipartite Quantum Walks and the Hamiltonian”

**Fitzsimmons, Maxwell Thomas** (Applied Mathematics)  
“Properties of Difference Inclusions With Computable Reachable Set”

**Jena, Andrew Joseph** (Combinatorics and Optimization - Quantum Information)  
“Graph-Theoretic Techniques for Optimizing NISQ Algorithms”

**Lato, Sabrina Melinda** (Combinatorics and Optimization)  
“Distance-Biregular Graphs and Orthogonal Polynomials”

**Papageorgiou, Maria Eftychia** (Applied Mathematics - Quantum Information)  
“Local Measurements in Relativistic Quantum Information: Localization and Signaling”

**Saha, Esha** (Applied Mathematics)  
“Expanding the Scope of Random Feature Models: Theory and Applications”

**Van Dyk, Madison Elisabeth** (Combinatorics and Optimization)  
“Routing, Scheduling, and Sorting in Consolidated Networks”

**Wang, Chuangzheng** (Applied Mathematics)  
“Safety-Critical Control for Dynamical Systems Under Uncertainties”

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## MASTER OF MATHEMATICS

**Alghasi, Mahtab** (Combinatorics and Optimization)

**Cameron, Mackenzie Ann** (Applied Mathematics)

**Chizewer, Jeremy** (Combinatorics and Optimization)

**Duggan, Conor** (Computational Mathematics - Co-operative Program)

**Gusakov, Alena Vsevolod** (Combinatorics and Optimization)

**Hajinejad, Tina** (Computational Mathematics - Co-operative Program)

**Laflamme, Jeanne** (Combinatorics and Optimization)

**Li, Meng** (Combinatorics and Optimization - Quantum Information)

**Liu, Shujie** (Computational Mathematics - Co-operative Program)

**Majumder, Sounak** (Applied Mathematics - Co-operative Program)

**Rudakova, Antonina** (Computational Mathematics)

**Salwinski, David** (Pure Mathematics)

**Simpson, Benjamin Jacob** (Applied Mathematics)

**Weames, Tyler** (Combinatorics and Optimization)

**Willette, Michael Joseph** (Applied Mathematics)

**Winick, Adam Benjamin** (Applied Mathematics)

**Winters, Daniel** (Computational Mathematics - Co-operative Program)

**Zhou, Qianye** (Combinatorics and Optimization)

**Zhou, Xingyu** (Combinatorics and Optimization - Quantum Information)

Sharma, Nancy  
Szajewski, Kelly Ellen  
Theodoru, Nicole Marie  
Thierrin Nemeth, Carole Marie Cecile  
Timmons, Randy  
Toogood, Stephanie Jayne  
Twigger, Lucy  
Wensink, Nathan Michael

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## GRADUATE CERTIFICATE

**Kendal-Freedman, Nat Michael** (University Teaching)

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## MASTER OF MATHEMATICS FOR TEACHERS

Berlin, Topaz  
Chen, Youwei  
Collier, Tyson Josh  
Cooke, Glenn Andrew C  
Crosson, Summer Jennifer  
Culbertson, Roger Byron  
Hadeed, Anya Amy  
Holman, Melissa Dawn  
Jeon, Hana  
Juurlink, Alexis Joanne  
Kennedy, Colleen Lorraine  
Lemay, Evan Scott  
Liang, Li  
Loewen, Janelle Alyssa  
Matthews, Evan Robert  
McConnell, Sean Luke  
Miniou, Michael Anthony  
Nandrajog, Alka  
Otto, Addie Robin  
Parekh, Hitendra Dave  
Robbins, Jason Clark

# Undergraduate Degrees

## BACHELOR OF MATHEMATICS

### GENERAL PROGRAM – THREE YEAR

Budz, Colton Wasyl  
Cheong, Seeun  
Ganev, Daniel Stanimirov  
Grammatico, Nickolas James  
Haider, Ghayur  
Jamieson, Russell Brandon Philip  
Kong, Yixuan  
Kurup, Sreyas Rajesh  
Kwon, Do Young  
Li, Ke  
Li, Zisong  
Lyu, Hupeng  
Majithia, Maheep Inder Singh  
Murphy, Jordan David William  
Patel, Om Rajeshkumar  
Penny, Nicholas Chester  
Pradhan, Sahil Jaideep  
Shen, Kang  
Vu, Thanh Nguyen  
Yao, Pengbo  
Yoon, Hye Jeong  
Yu, Zhixin

### GENERAL CO-OPERATIVE PROGRAM – THREE YEAR

Hong, Yang  
Ma, Kaiqian  
Vidov, Matthew Thomas  
Virk, Guneet Singh  
Zhou, Yi Hai

### HONOURS PROGRAM

**Adegbite, Sharon Oluwatoni** (Mathematical Studies – Business Specialization – Computing Minor)

**Ahsan, Redwan** (Computational Mathematics)

**Anand, Karthikeyan** (Combinatorics and Optimization & Honours Computational Mathematics – Pure Mathematics Minor, Computing Minor)

**Bai, Ziyan** (Mathematics/Business Administration) \*

**Batson, Logan William Jerry** (Combinatorics and Optimization & Honours Pure Mathematics) \*

**Chau, Brian** (Combinatorics and Optimization) †

**Chen, Leon** (Mathematical Studies – Computing Minor)

**Chen, Qiyue** (Mathematics/Business Administration)

**Chin, Yoon Joung** (Mathematical Studies)

**Ding, Zetong** (Computational Mathematics – Computing Minor, Combinatorics and Optimization Minor)

**Du, Zhuocheng** (Computational Mathematics – Combinatorics and Optimization Minor, Computing Minor) \*

**Fan, Dingxin** (Computational Mathematics & Honours Statistics)

**Fan, Xinyue** (Combinatorics and Optimization & Honours Pure Mathematics)

**Fiander, Riley Logan** (Mathematical Studies & Joint Honours Music)

**Forhan, Jeffrey George** (Mathematical Studies)

**Fray, Natasha** (Mathematical Studies – Computing Minor)

**Han, ChangWon** (Mathematical Studies)

**Ho, Dan Dac** (Mathematics/Business Administration) \*

**Hoh, Gene Hui** (Applied Mathematics – Statistics Minor)

**Hong, Marianne Guo** (Mathematical Studies – Business Specialization)

**Iuliano, Joseph Daniel** (Mathematical Studies – Business Specialization – Economics Minor)

**Jiang, Henning** (Combinatorics and Optimization – Computing Minor) †

**Jiang, Yongxin** (Applied Mathematics with Scientific Computing)

**Kaduck, Grant Stephen** (Pure Mathematics) \*

**Kashino, Thoai Tetsuro** (Mathematical Studies – Statistics Minor, Economics Minor)

**Ky, Yuan Teng Kevin** (Mathematical Studies – Computing Minor)

**Li, Lin** (Computational Mathematics)

**Li, Zongyu** (Mathematical Finance) \*

**Liang, Franklin** (Mathematical Studies – Computing Minor)

**Lin, Zhijie** (Mathematical Finance & Honours Statistics – Pure Mathematics Minor) \*

**Liu, Minghao** (Mathematics/Business Administration)

**Liu, Vincent Yu-Hui** (Mathematical Studies)

**Liu, Yichuan** (Applied Mathematics) \*

**Lyu, Yanxu** (Mathematics/Business Administration)

**Mao, Yuannong** (Computational Mathematics – Applied Mathematics Minor)

**Mohideen, Zaheer** (Applied Mathematics – Biology Specialization – Pure Mathematics Minor) \*

**Monga, Ajay** (Mathematics/Business Administration)

**Mou, Kevin** (Mathematical Finance & Honours Statistics) †

**Nahon-Przybylak, Julien Leon Henryk** (Applied Mathematics)

**Neely, Ciaran** (Mathematical Studies – Statistics Minor, Applied Mathematics Minor, Psychology Minor) \*

**Ning, Zihao** (Mathematical Studies – Computing Minor)

**Pan, Zhaoying** (Mathematical Studies – Business Specialization – Statistics Minor)

**Park, Jisoon** (Mathematical Studies – Business Specialization – Combinatorics and Optimization Minor, Computing Minor)

**Pei, Mingjin** (Mathematics/Business Administration – Statistics Minor)

**Peng, Xicheng** (Computational Mathematics)

**Percival, Kane Ivan Joseph** (Applied Mathematics – Communication Studies Minor)

**Plamondon, Thomas** (Pure Mathematics – Combinatorics and Optimization Minor) †

**Ramsingh, Shane Nyar** (Mathematical Physics)

**Roy, René Watson** (Combinatorics and Optimization – Pure Mathematics Minor)

**Saloojee, Nura Yasmine** (Combinatorics and Optimization – Pure Mathematics Minor)

**Seabrooke, Sydney Wyler** (Mathematical Economics)

**Shah, Vinay Sunil** (Mathematical Studies – Statistics Minor, Actuarial Science Minor)

\* – Distinction

† – Dean's Honours

**Shenoy, Krishnacharan** (Information Technology Management)

**Sinclair, Stuart Alvin Joseph** (Mathematical Studies – Business Specialization – Computing Minor) \*

**Snow, Thomas Harald** (Combinatorics and Optimization – Computational Mathematics Minor) †

**Song, Yohan** (Pure Mathematics & Honours Combinatorics and Optimization – Physics Minor) \*

**Stewart, James Theal** (Mathematical Studies – Computer Science Minor)

**Thomson, Luke David Rice** (Combinatorics and Optimization)

**Venkatesh, Sri Krithika** (Mathematical Physics) †

**Vishnoi, Raghav** (Computational Mathematics – Statistics Minor)

**Wang, Enzo** (Mathematical Optimization – Operations Research Specialization) \*

**Wang, Kaixin** (Mathematical Studies – Statistics Minor)

**Wang, Lanxi** (Mathematics/Business Administration)

**Wang, Wenzhe** (Mathematical Finance – Pure Mathematics Minor) †

**Wang, Yilin** (Mathematical Studies – Computing Minor, Management Studies Minor)

**Wang, Yuyao** (Computational Mathematics)

**Weng, Tianyang** (Computational Mathematics)

**Wilson, Joseph Tsuji** (Mathematical Physics – Pure Mathematics Minor) \*

**Woolfe, Lucas Clifford** (Pure Mathematics – Music Minor)

**Wu, Mingze** (Mathematical Studies – Actuarial Science Minor, Statistics Minor)

**Wu, Xinyu** (Applied Mathematics & Honours Statistics) †

**Wu, Yifan** (Mathematical Studies)

**Wu, Yixuan** (Mathematical Finance & Honours Statistics – Pure Mathematics Minor) †

**Xu, RuiLin** (Mathematical Finance & Honours Statistics – Pure Mathematics Minor)

**Yang, Dongliang** (Mathematical Studies)

**Yang, Yijie** (Mathematics/Business Administration) \*

**Ye, Yiheng** (Computational Mathematics & Honours Statistics)

**Ye, Yuan** (Computational Mathematics – Combinatorics and Optimization Minor, Computing Minor) \*

**Yi, Tian** (Mathematical Studies)

**Zeng, Jiaqi** (Mathematics/Business Administration)

**Zhang, Chen** (Mathematics/Business Administration)

**Zhang, Ruixuan** (Mathematical Studies)

**Zhang, Shu** (Applied Mathematics)

**Zhang, Yichen** (Applied Mathematics & Joint Honours Pure Mathematics)

**Zhao, Jiehan** (Computational Mathematics & Honours Statistics – Applied Mathematics Minor)

**Zhou, Meixin** (Applied Mathematics – Physics Specialization – Combinatorics and Optimization Minor) †

**Zhou, Yangchen** (Applied Mathematics – Pure Mathematics Minor)

**Zhou, Yiwen** (Mathematical Studies – Computing Minor, Digital Arts Communication Minor)

#### HONOURS CO-OPERATIVE PROGRAM

**Babu, Dhruv Madanmohan** (Mathematical Physics)

**Ballkooram, Rishabh Mayur** (Mathematics/Business Administration)

**Ballkooram, Rishav Mayur** (Mathematics/Business Administration)

**Blankespoor, Devin Pierce** (Mathematical Physics) †

**Campanelli, Chrisha** (Mathematical Studies – Business Specialization – Economics Minor)

**Chen, Guoao** (Applied Mathematics – Pure Mathematics Minor) \*

**Chen, Xin** (Mathematics/Business Administration – Statistics Minor)

**Chen, Yuting** (Mathematical Finance)

**Colangelo, Samantha Rosa-Lynn** (Mathematics/Business Administration – Computing Minor)

**Cooper, Tristan Yang** (Combinatorics and Optimization) \*

**Dai, Chang** (Mathematical Studies – Statistics Minor)

**Demetriofoff, Joshua Evans** (Pure Mathematics & Joint Honours Statistics)

**Dietrich, Kurt Roland** (Computational Mathematics & Joint Honours Pure Mathematics – Philosophy Minor)

**Do, Tuan Hiep** (Pure Mathematics & Honours Mathematical Finance & Honours Statistics) †

**Elder, Sebastian Tatsufumi** (Mathematical Studies)

**Filippou, Ceilidh Anne** (Mathematics/Teaching)

**Fomichova, Yuliya Sergiyivna** (Joint Pure Mathematics & Joint Honours Combinatorics and Optimization)

**Gisondi, Antonio Samuel** (Mathematical Studies – Statistics Minor)

**Godil, Ahmed Salim** (Mathematics/Business Administration)

**Gola, Gatik** (Combinatorics and Optimization – Computing Minor)

**Haider, Zahra Syeda** (Mathematics/Business Administration – Statistics Minor)

**Hoque, Sehmimul** (Mathematical Physics – Combinatorics and Optimization Minor) †

**Houle, James Mathew** (Pure Mathematics/Teaching – Computing Minor, Psychology Minor) †

**Huang, Liuming** (Computational Mathematics)

**Illeperuma, Sanjana Kumuthu** (Mathematical Studies – Computing Minor)

**Isakov, Andrija** (Applied Mathematics – Engineering Specialization) †

**Jelinsky, Adam Saul** (Pure Mathematics – Computer Science Minor) †

**Jhattu, Ishpreet Kaur** (Mathematical Studies – Computing Minor, Chemistry Minor) \*

**Kalantari Khandani, Sara** (Information Technology Management)

**Khadra, Majd** (Computational Mathematics – Combinatorics and Optimization Minor, Computing Minor)

**Kim, Jiwook** (Applied Mathematics – Computing Option) \*

**Kulkarni, Vedant Shripad** (Mathematical Finance & Joint Honours Statistics) \*

**Lascu, David Andrei** (Computational Mathematics)

**Lew, Brandon Michael** (Mathematical Studies – Computing Minor)

\* – Distinction

† – Dean's Honours

**Li, Gavin** (Mathematical Studies – Statistics Minor)

**Li, Minwei** (Mathematical Studies – Business Specialization) \*

**Li, Shermaine** (Mathematics/Business Administration)

**Li, Zetian** (Pure Mathematics & Honours Statistics & Honours Mathematical Finance – Computer Science Minor) †

**Liew, Sea Ran Cleon** (Computational Mathematics – Computing Minor) \*

**Lin, Jiarun** (Mathematics/Business Administration)

**Liu, Yang** (Mathematical Studies – Computational Mathematics Minor, Computing Minor)

**Lo, Gloria** (Mathematics/Business Administration) \*

**Lou, Samantha** (Mathematics/Business Administration) \*

**Lu, Ziang** (Mathematical Optimization – Operations Research Specialization & Honours Statistics)

**Luo, Qiya** (Combinatorics and Optimization) \*

**Mahmood, Ahad** (Mathematical Studies)

**Manturowicz, Natalia Anna** (Pure Mathematics/Teaching – French Minor)

**Mardikar, Shubham** (Applied Mathematics – Economics Specialization – Statistics Minor)

**Mohammed, Dillon Kyle** (Applied Mathematics – Computing Minor) \*

**Mondol, Tunok** (Mathematical Physics – Pure Mathematics Minor, Computing Minor)

**Mugundan, Vishnu** (Combinatorics and Optimization – Applied Mathematics Minor, Computational Mathematics Minor)

**Nguyen, Mai Thi** (Combinatorics and Optimization – Statistics Minor, Pure Mathematics Minor)

**Pahwa, Harshita Singh** (Mathematical Finance & Joint Honours Statistics)

**Palmerio, Sebestien Lorenzo** (Computational Mathematics – Combinatorics and Optimization Minor)

**Perlman, Joshua Robertson** (Pure Mathematics)

**Rizvi, Syed Mustafa Raza** (Pure Mathematics) \*

**Salimi, Parsa** (Combinatorics and Optimization) †

**Sargeant, Hunter Philip** (Mathematics/Teaching)

**Schutz, Jaiden Edward** (Mathematical Physics – Pure Mathematics Minor) †

**Shah, Harsh** (Mathematical Studies)

**Sherwood, Allyson Lyndsey Nicole** (Computational Mathematics – Computing Minor, Combinatorics and Optimization Minor)

**Shi, Chuan** (Mathematical Finance & Honours Combinatorics and Optimization – Pure Mathematics Minor) †

**Snider, Sarah Mackenzie** (Mathematical Physics – Pure Mathematics Minor) †

**Song, Jinghan** (Computational Mathematics & Honours Statistics – Computing Minor) \*

**Soni, Mustansir** (Computational Mathematics – Combinatorics and Optimization Minor)

**St. Hill, Chelsea Dionne** (Mathematical Economics)

**Teetzel, Hannah E** (Mathematics/Business Administration)

**Ur-Rehman, Wardah** (Computational Mathematics) \*

**Vu, Jennifer Diu Thanh** (Computational Mathematics – Computing Minor)

**Wang, Qingxuan** (Applied Mathematics)

**Wang, Zipeng** (Combinatorics and Optimization & Joint Honours Pure Mathematics) \*

**Wigle, Abigail Evelyn Elizabeth** (Mathematics/Business Administration) \*

**Woloschuk, Jackson Harris** (Mathematical Economics – Statistics Minor) †

**Wong, Benjamin William** (Pure Mathematics – Applied Mathematics Minor) †

**Wong, Garrick Curtis** (Mathematical Studies – Computing Minor)

**Wong, Jethro Yue-Tou** (Mathematics/Teaching)

**Wray, Samuel** (Applied Mathematics with Scientific Computing – Combinatorics and Optimization Minor) \*

**Xu, Qingying** (Mathematics/Business Administration)

**Xu, Scott** (Pure Mathematics & Joint Honours Computer Science) †

**Xue, Hanyu** (Computational Mathematics – Computing Minor)

**Xue, Zexi** (Combinatorics and Optimization – Pure Mathematics Minor) †

**Yackoboski, Elizabeth Danielle** (Applied Mathematics with Scientific Computing – Computing Minor) †

**Yang, Daniel Yang** (Computational Mathematics)

**Yang, Yi** (Applied Mathematics & Honours Statistics) †

**Young, Alysha Marie** (Mathematics/Teaching – Psychology Minor) \*

**Yu, Wenhao** (Applied Mathematics with Scientific Computing – Combinatorics and Optimization Minor)

**Zheng, Xinran** (Mathematical Finance & Honours Statistics – Combinatorics and Optimization Minor) †

**Zhi, Alistar Kun-Ting** (Mathematics/Business Administration) \*

**Zhou, Rundi** (Mathematical Studies – Business Specialization)

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## DIPLOMA IN CHINESE LANGUAGE I

Houle, James Mathew

---

## DIPLOMA IN FRENCH LANGUAGE II

Isakov, Andrija

---

## DIPLOMA IN GERMAN LANGUAGE

Fomichova, Yuliya Sergiyivna

---

## DIPLOMA IN JAPANESE LANGUAGE I

Wilson, Joseph Tsuji  
Yang, Yi

---

## DIPLOMA IN KOREAN LANGUAGE I

Hoh, Gene Hui  
Ye, Yuan

---

## CERTIFICATE IN EXPERIENTIAL EDUCATION

Anand, Karthikeyan

\* – Distinction  
† – Dean's Honours



# Outstanding Achievements

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## **MEDALS AND AWARDS**

### **GOVERNOR GENERAL'S ACADEMIC GOLD MEDAL**

Highest standing in a  
Master's program  
Jeremy Chizewer

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

Doctoral  
Nils Hendrik Lukas

### **GOVERNOR GENERAL'S ACADEMIC SILVER MEDAL**

Highest standing in an  
undergraduate degree program  
Scott Xu

### **THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL**

Outstanding academic achievement  
Ava Pun

# Waterloo brings home the gold

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

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

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



GO INSIDE THE LAB AT

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

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

# *Our tradition of regalia*

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## **THE GOWN**

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

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

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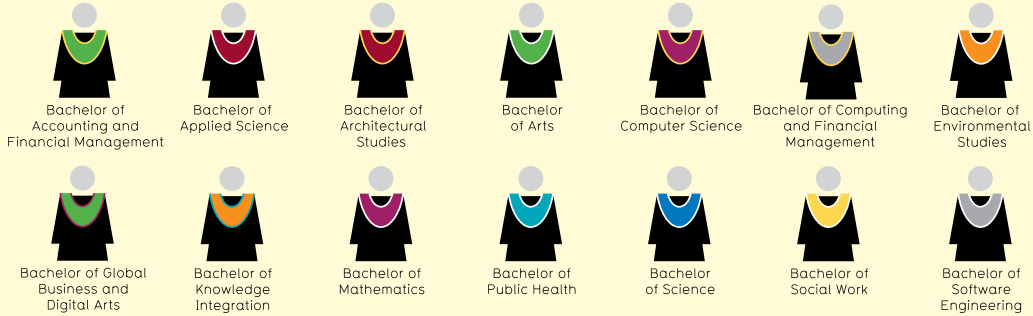
## **THE HOOD**

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

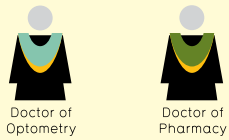
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

# Academic Dress

## BACHELOR'S



## PROFESSIONAL DOCTORATE



## MASTER'S



## DOCTORAL



## HONORARY DOCTORATE



# CONVOGATION



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