



ONE HUNDRED AND TWENTY-EIGHTH CONVOCATION

# CONVOCATION

FRIDAY & SATURDAY

**14/15**

**JUNE 2024**

**FACULTY OF ENGINEERING**

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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SATURDAY, JUNE 15, 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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## 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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## 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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## 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



FRIDAY

# EVENING CEREMONY

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

### Abesin Kodippili, Tharindu

Deemantha (Mechanical and Mechatronics Engineering)  
“Forging Preform Design Optimization for Structural Magnesium Components”

Botelho, Lucas (Mechanical and Mechatronics Engineering)  
“Real-Time Monitoring of Thermal Processes”

DiCola, Katharine Nancy (Mechanical and Mechatronics Engineering)  
“Smooth and Time-Optimal Trajectory Planning for Multi-Axis Machine Tools”

El-Rayes, Karim Mohamed Safaa Eldin Ahmed (Mechanical and Mechatronics Engineering)  
“Field Disruption Energy Harvester Design and Modeling: A Novel Approach in Electromagnetic Vibration Energy Harvesting”

Gao, Run Ze (Mechanical and Mechatronics Engineering)  
“Miniaturization of Soft Robotic Control Systems and Actuators for Biomedical Applications”

Hasanabadi, Mahyar (Mechanical and Mechatronics Engineering)  
“Process Optimization, Numerical Modelling, and Microstructure Control in Laser Powder Bed Fusion of Ti-5553 Parts”

Kalra, Mayank (Mechanical and Mechatronics Engineering)  
“An In-Vitro and Finite Element Investigation on the Efficacy of Unloader Knee Braces on Meniscus Strain and Tibiofemoral Pressure”

Pieris, Thelge Supun Dilhan (Mechanical and Mechatronics Engineering)  
“Aerodynamics of Finite-Span Inclined Flat Plates in Ground Proximity”

Rouf, Khizar (Mechanical and Mechatronics Engineering)  
“Characterizing and Modelling the Strain Rate-Dependent Constitutive Response of a Unidirectional Non-Crimp Fabric Composite Material”

Sarmast Sakhvidi, Sepideh (Mechanical and Mechatronics Engineering)  
“Sizing-Design Method and Performance Improvement for Adiabatic Compressed Air Energy Storage”

Tumuluru Ramesh, Nikhilesh (Mechanical and Mechatronics Engineering)  
“Vortex-Induced Vibrations of a Circular Cylinder in Elevated Turbulence and Unsteady Freestream Conditions”

Wang, Xiaoying (Mechanical and Mechatronics Engineering)  
“Effect of Cu and Die Geometry on the Extrudability of AA6xxx Alloys”

Xu, Zhenchuan (Mechanical and Mechatronics Engineering)  
“Design, Implementation, and Control of a Magnetic Levitated Planar Motor”

Yang, Hanwen (Mechanical and Mechatronics Engineering)  
“Advanced Hybrid Laser Welding of Pipeline Steels Using Novel Technologies”

Ye, Fan (Mechanical and Mechatronics Engineering)  
“Synthesis of Molybdenum-Based Nanomaterials with High Photothermal Conversion Efficiencies by Femtosecond Laser Ablation in Liquid”

Yu, Chao (Mechanical and Mechatronics Engineering)  
“Holistic Vehicle Control Using Learning MPC”

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## MASTER OF APPLIED SCIENCE

Abdulazeem, Nourhan Ayman (Mechanical and Mechatronics Engineering)

Benais, Rémy Philippe (Mechanical and Mechatronics Engineering)

Carroll, Gwennyth (Mechanical and Mechatronics Engineering)

Chathanat, Simran Elizabeth (Mechanical and Mechatronics Engineering - Nanotechnology)

Chen, Haiqiao (Mechanical and Mechatronics Engineering)

Delattre, Samuel Joseph (Mechanical and Mechatronics Engineering)

Ding, Zijian (Mechanical and Mechatronics Engineering)

DiPaola, Alexander Jozsef (Mechanical and Mechatronics Engineering)

Hart, Andrew Paul (Mechanical and Mechatronics Engineering)

Ifeanyi, Silas Ifeanyi (Mechanical and Mechatronics Engineering)

Khoei, Amir Arsalan (Mechanical and Mechatronics Engineering)

Lenover, Michael (Mechanical and Mechatronics Engineering)

Lu, Wenxuan (Mechanical and Mechatronics Engineering)

MacRobbie, Connor Jacob (Mechanical and Mechatronics Engineering)

Maldonado-Echeverria, Javier Andres (Mechanical and Mechatronics Engineering)

Marrone, John Francis (Mechanical and Mechatronics Engineering)

McLaughlin, Jake Fraser (Mechanical and Mechatronics Engineering)

Okoye, Kenechukwu Great (Mechanical and Mechatronics Engineering)

Oluwajuyigbe, Oluwatomisin (Mechanical and Mechatronics Engineering)

Patel, Kshiti Vishnubhai (Mechanical and Mechatronics Engineering)

Rouhi, Mohammadreza (Mechanical and Mechatronics Engineering)

Ruzzante, Pascal Walde (Mechanical and Mechatronics Engineering)

Santelices, Iara Belen (Mechanical and Mechatronics Engineering)

Selvaraj, Janarthanan Ganesh (Mechanical and Mechatronics Engineering)

Singh, Arpan Raj (Mechanical and Mechatronics Engineering)

Su, Zhe (Mechanical and Mechatronics Engineering)

Teo, Jarren Kai Jun (Mechanical and Mechatronics Engineering)

Tung, Dominic (Mechanical and Mechatronics Engineering)

Wang, Chenshuo (Mechanical and Mechatronics Engineering)

Wanuch, Kyra Megan (Mechanical and Mechatronics Engineering)

Yang, Eumin (Mechanical and Mechatronics Engineering)

Yang, Ya-Ting (Mechanical and Mechatronics Engineering)

**Zhang, Baizhou** (Mechanical and Mechatronics Engineering)

**Zhang, Kai Tian** (Mechanical and Mechatronics Engineering)

**Zhang, Zhilei** (Mechanical and Mechatronics Engineering)

**Zivkovic, Milos** (Mechanical and Mechatronics Engineering)

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## MASTER OF ENGINEERING

**Agarwal, Neel Sanjay** (Mechanical and Mechatronics Engineering)

**Atkinson, Kellogg** (Mechanical and Mechatronics Engineering)

**Behl, Gursehaj Singh** (Mechanical and Mechatronics Engineering)

**Bhat Dubere, Soham Atulya** (Mechanical and Mechatronics Engineering)

**Chen, Yueh-Jung** (Mechanical and Mechatronics Engineering)

**Chrai, Gurnaman Singh** (Mechanical and Mechatronics Engineering)

**Dadlani, Gaurav Ramesh** (Mechanical and Mechatronics Engineering)

**Gujjar, Sree Bhavani Charan** (Mechanical and Mechatronics Engineering)

**Khan, Mohammad Ali** (Mechanical and Mechatronics Engineering)

**Kuriakose, Ashwin** (Mechanical and Mechatronics Engineering)

**Merchant, Nihar Dipesh** (Mechanical and Mechatronics Engineering)

**Mishra, Bhargav Jayesh** (Mechanical and Mechatronics Engineering)

**Munjal, Vishrut** (Mechanical and Mechatronics Engineering)

**Nair, Shreejit Madhanamohan** (Mechanical and Mechatronics Engineering)

**Parmar, Kalpit Raiji** (Mechanical and Mechatronics Engineering)

**Patel, Mann Harish** (Mechanical and Mechatronics Engineering)

**Prakash, Vinayak** (Mechanical and Mechatronics Engineering)

**Prince, George Lin** (Mechanical and Mechatronics Engineering)

**Rameela Mohamed, Shadhir Haja** (Mechanical and Mechatronics Engineering)

**Sadriwala, Mohammed** (Mechanical and Mechatronics Engineering – Co-operative Program)

**Sapkota, Sanjeev** (Mechanical and Mechatronics Engineering)

**Shekasan, Owais Ashiqali** (Mechanical and Mechatronics Engineering)

**Sukhadia, Devansh Sunit** (Mechanical and Mechatronics Engineering)

**Verma, Akshit** (Mechanical and Mechatronics Engineering – Co-operative Program)

**Yi, Pengyu** (Mechanical and Mechatronics Engineering)

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## GRADUATE DIPLOMA

**Atkinson, Kellogg** (Design Engineering – Co-operative Program)

**Chen, Yueh-Jung** (Fire Safety)

**Gujjar, Sree Bhavani Charan** (Design Engineering)

**Khan, Mohammad Ali** (Design Engineering – Co-operative Program)

**Kuriakose, Ashwin** (Design Engineering – Co-operative Program)

**Munjal, Vishrut** (Design Engineering – Co-operative Program)

**Nair, Shreejit Madhanamohan** (Design Engineering – Co-operative Program)

**Prakash, Vinayak** (Green Energy)

**Shekasan, Owais Ashiqali** (Design Engineering – Co-operative Program)

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## GRADUATE CERTIFICATE

**Robinson-Enebeli, Stephen** (University Teaching)

**Toppings, Connor** (University Teaching)

# Undergraduate Degrees

## BACHELOR OF APPLIED SCIENCE

### MECHANICAL ENGINEERING

Abdullah, Fahad \*  
Abdullah, Muhammad \*†  
Abhi, Shivam \*  
Acosta Ruiz, David Sebastián \*  
Aghili, Yousef  
Akaraiwe, Afam David \*  
Al-Rawi, Mustafa Firas Adil \*  
Anil, Gauthamkrishna  
Arciero, Joseph Emilio \*†  
Arellano, Marc Rainier  
Asmussen, David Jay (Welding and Joining Specialization) \*  
Aure, Jensine Kerr  
Bahensky, Robert \*†  
Baleshta, Casey James \*  
Banday, Aritra Spondon  
Bando, Ethan Yukio (Welding and Joining Specialization/Management Sciences Option) \*  
Banfield, Dafydd Howard \*†  
Banga, Venay Partap Singh  
Basit, Samee Ullah (Welding and Joining Specialization)  
Bates, James Andrew  
Batt, Griffin Karl William  
Bernat, Evan Joseph  
Birley, Elijah Stephen \*  
Borsuk, Jakub Wojciech \*  
Bouma, Yannick Francis (Welding and Joining Specialization) \*  
Brar, Japmeet Singh (Computing Option) \*  
Budhwani, Alikasim Abbasali \*  
Cao, Han Wen  
Cao, Jonathan (Computing Option)  
Carullo, Matthew \*†  
Chang, Martin Hyunseok  
Chartrand, Jacob Robert  
Chaudhry, Ali Hussain \*†  
Chen, Yali (Management Sciences Option)  
Chiem, Jonathan \*  
Cho, Ashley Yuen Ting (Mechatronics Option) \*

Choi, Taekhan \*†  
Chow, Ian Wai-Yun (Management Sciences Option)  
Chu, Kayne Ming-Lok (Software Engineering Option) \*  
Chu, Kevin  
Coutinho, Noah Mathew Hector \*  
Creaser, Aidan Davis (Welding and Joining Specialization) \*†  
Dai, Yuan \*  
Dawit, Amanuel †  
Dhingra, Vansh \*  
Drapeau, Christopher Stephen \*†  
El Ghazal, Ibrahim Fadi (Entrepreneurship Minor) \*  
Elliott, Jared Adam  
Elmuh, Mariam Farge \*  
Elsharawi, Moustafa Mohamed  
Emard, Evan Philip (Welding and Joining Specialization)  
Ezzy, Burhanuddin Mustafa  
Farhad, May \*  
Featherby, Daniel Suleman (Welding and Joining Specialization) \*  
Fernandes, Michael Larry (Management Sciences Option) \*†  
Garg, Darsh  
Gaur, Akshay \*  
Gerson, Brian Mitchell (Welding and Joining Specialization)  
Gill, Nimrat Kaur  
Gisone, Nicholas Mario \*  
Giust, Adam Satoshi \*  
Gobui, Paul Alphonso \*  
Gosk, Christopher Henryk (Mechatronics Option) \*  
Ha, Mu (Artificial Intelligence Option & Management Sciences Option) \*†  
Hall, Nickolas Walimohamed  
Hardy, Jason Ryan (Welding and Joining Specialization)  
Hassouneh, Abdelrahman Emad \*  
He, Jingwei  
Hewko, Nicholas \*  
Ho, Caitlin \*†  
Homer, Cameron Teifi Rene (Welding and Joining Specialization)

Hong, Jeemin (Welding and Joining Specialization)  
Hosseinian, Behnoud (Joint Honours Mathematics/Computing Option – Economics Minor) \*†  
Huang, Austin Tailon \*†  
Huang, Chang-Ming \*  
Huang, Si Jie (Physical Sciences Option) \*  
Hudspith, Cameron Spencer Joseph (Management Sciences Option) \*  
Iantorno, Adam Nichol (Artificial Intelligence Option) \*  
Jain, Milind (Management Sciences Option) \*  
Jayashankar, Ujjay \*  
Jen, Matthew David  
Johnsen, Bethany Andrea May (Welding and Joining Specialization) \*  
Johnston, Cael Tycjan (Welding and Joining Specialization) \*  
Judiesch, Morgan James Carter \*  
Kahvaie-zad, Parmis \*  
Kilada, Mira  
Kim, Jintae \*†  
Kissoon, Lauren Marilyn \*  
Kobets, Roman  
Kodric, Sean William  
Krpmotic, Matthew Ryan \*†  
Kwan, Jason Mathew (Mechatronics Option)  
Lai, Asher Ka Hei \*  
Lanfrank, Harrison  
Le, Vincent Huy Loc \*  
Lee, Jack Leung Fung (Management Sciences Option) \*  
Lee, Jillian Lauren \*  
Lee, Matthew \*  
Lela, Marcus  
Leong, Veronica Sis (English Language and Literature Minor)  
Leszkowiat, Aaron Isaac  
Leung, Avian Jonas  
Li, Justin Tyler  
Li, Trinity Caiman  
Li, Zi Yan \*  
Liang, Ting Xuan \*

\* – With Distinction

† – Dean's Honours List

Lin, Winnie (Biomechanics Option) \*

Locke, John Remington \*†

MacDougall, Aidan John

Mader, Katherine A

Malik, Garima (Mechatronics Option) \*†

McClure, Leah Elizabeth Emily

Mennill, Thomas

Milne, Austin William Bruce (Management Sciences Option)

Modha, Jasper (Biomechanics Option) \*

Moniz, Andrew James \*

Murray, Matthew Anthony

Myers, Coleton James \*†

Narwal, Jaskaran Singh \*†

Navaranjan, Nijaan \*†

Newell, Ethan

Nguyen, Christopher Thuan Huu \*

Nguyen, Tina Thu Hang Thi \*

Ong, Matthew Louigi Cabie \*†

Orszula, Michael Francis (Welding and Joining Specialization) \*

Paraparan, Ashvinie \*

Park, Malcolm Fletcher \*

Patel, Ishan \*

Patel, Jil

Peng, Xiao

Pournabi, Aram

Rasheed, Salman Faris

Rasouli, Anoush Eric \*†

Reed, Daniel Robert

Rejep, Alexander George \*

Richter, Frederick Kwaku \*

Rizwan, Muhammad Saad Bin (Welding and Joining Specialization)

Roman, Alexandre Nicholas (Welding and Joining Specialization)

Ruan, Zhongyuan (Computing Option)

Salib, George Rami

Sankey, Christopher

Selvanayagam, Joshua

Semmens, Trystan-James

Sewerynek, Joshua Colby (Welding and Joining Specialization)

Shah, Mohammad-Ali Ghazi

Shah, Tirth Samirkumar

Shaikh, Aimen Ahmad \*

Shariff, Yusuf Mohamed \*†

Shatkin, Alexandra Margaret

Shen, Nathan

Shibu Nair, Ananthu

Sipkens, Scott James

Siriska, Justin Eric

Sneek, Jared Alexander \*

Stone, Conrad George Edward

Su, Zihan

Suk, Jinwoo

Sutherland, Jason Miller (Welding and Joining Specialization/ Computing Option & Biomechanics Option) \*

Swan, Jacob Alexander (Welding and Joining Specialization)

Tandel, Tarj

Tang, Yulong (Artificial Intelligence Option)

Tannous, Samer Ghassan

Tariq, Zainab \*

Tarkoshev, Andy Zdravkov \*

Tasneem, Rehnuma

Tayl, Karan Vallabh \*

Tomić, Filip

Trang, Ronald Jia Ming \*†

Tsai, Clara Cheng

Uruci, Klaudio \*

Villanoy, Jose Renzo Ybanez

Wagler, Tyson Scott \*

Wakeford, Joshua Rayvan Christoph \*

Wan, Jeffrey Der Min

Wang, Mu Huan \*

Wang, Sung Hao

Wei, Anna Tian Yee \*

Woo, Martin Jongeon \*

Wood, Matthew Cameron \*†

Wu, Henry Pei Heng

Xin, Ran \*

Xiong, Daniel (Computing Option) \*†

Xu, Matthew Jiaming \*

Xu, Mingxuan \*

Xu, Yuan Hua (Physical Sciences Option – Physics Minor) \*†

Zhang, Eric Zhiheng

Zhang, Michael

Zhang, Miranda Yingran \*

Zhao, Heyang

Zhao, Yingjie (Welding and Joining Specialization) \*

Zmudzki, Voytec Michael \*

**MECHATRONICS ENGINEERING**

Abbas, Ahmed Mustafa (Computing Option) \*

Abrha, Philipos

Abu Abah, Omar Wael

Agarwal, Anmol (Artificial Intelligence Option) \*

Agnihotri, Vedaant (Management Sciences Option) \*

Aiddasani, Utkarsh Devidas \*

Ali, Muhammad Sarim

Al-Tantawi, Fares Osama (Software Engineering Option)

Ansari, Borna (Management Sciences Option)

Arzoumanian, Lucas Haroun Szablowski (Computing Option) \*

Aziz, Taha (Computing Option)

Bains, Chealsie \*†

Bandara, Shehan Lavindu

Barroso, Adam Angelo Roque (Artificial Intelligence Option) \*†

Belanger, Ryan Matthew (Computer Engineering Option) \*

Belman, Jonah Samuel \*

Ben Fredj, Oumeima Arij

Benninger, Simon Vincent \*†

Bertsoulakis, Emmanuel Peter (Artificial Intelligence Option) \*

Bouriyee, Masih \*

Brunke, Cooper Quinn (Computing Option) \*†

Cai, Jia Shu (Computing Option) \*†

Casasanta, John-Paolo Samer \*†

Casey, Maximus Simon Peter \*†

Chahal, Mansheel Singh \*

Chatfield, Colin Gary (Management Sciences Option) \*

Chen, Mel

Chen, Si Yuan (Computing Option) \*

Chera, Amritpal Singh \*

Cheriyam, Daniel Kuruvilla \*

Chhatwal, Anmol Vir Singh

Childerhose, Ethan Lidano \*

Chiu, Avery Sin Wai (Artificial Intelligence Option) \*†

Chiu, Jonathan Lai-Wo (Artificial Intelligence Option) \*†

Chouinard, Jakeb Joseph (Computing Option) \*†

Chow, Jordan \*

Chun, So Hyun

Cole, Cooper Joseph \*

Conte, Alexis \*

Copreros, Ramonito Jr. Dela Cruz \*

Cristiano, Luca Salvatore \*

Dan, Xiu Feng (Computing Option) \*

Davidan, Alexa \*

\* – With Distinction  
† – Dean's Honours List

**Dayarathna, Kavisha** \*†  
**De Francesco, Zachary Evan** (Artificial Intelligence Option) \*  
**De Stefano, Anthony Dante** (Computing Option) \*  
**Diaz Sevillano, Samuel Esteban** (Computing Option) \*  
**Done, Michael Alexander** \*†  
**Dong, Howard Yihong** (Artificial Intelligence Option) \*  
**Du, Pengyuan** (Artificial Intelligence Option) \*  
**Dueck, Caleb David** \*†  
**Dupuis, Jacob David** \*  
**Eliasmith, William Alexander** \*  
**Eskandar, Sam Joseph** \*  
**Evangelista, Sean Matthew Martin** \*  
**Fehr, Cole Jacob** \*  
**Feldt, David Samuel** \*  
**Feng, Boqian**  
**Fernandes, Neil Russel** (Computing Option) \*†  
**Fernandes, Nigel Anthony** (Management Sciences Option) \*  
**Fielding, Taylor Allanah Rae**  
**Fingret, Sarah Katherine**  
**Fischer, Avi Alexander** (Computing Option) \*  
**Fountain, Gordon James Lamond** \*  
**Fu, Eric Xiaochen**  
**Ghaith, Abdullah Saed** (Computing Option) \*†  
**Gill, Yuvraj Singh** (Computing Option)  
**Goh, Brandon Matthew** \*  
**Gonczaruk, Alexander Akira** \*  
**Gooch, Megan Nicole** \*  
**Gratton, Aidan Jocelyn** \*  
**Gu, Kevin** (Software Engineering Option) \*†  
**Guan, Bryan Rui Qi** \*†  
**Gupta, Abhinav**  
**Haight, Clayton George Dorland**  
**Halis, Amjad** \*  
**Hamid, Azhar Qaizar** \*  
**Han, Ea Na** (Computing Option) \*†  
**Hansen, Alaina An** (Biomechanics Option)  
**Hasan, Masum** (Artificial Intelligence Option)  
**He, Alexander Simeng**  
**Hong, Kwangpyo** \*†  
**Hopkins, Aidan Raymond Montgomery**  
**Hoshing, Vedant Mohan** (Management Sciences Option) \*  
**Huang, Jason**  
**Hum, Evan Thomas** (Artificial Intelligence Option) \*  
**Huq, Erfan Shazid**  
**Ikic, Andrei** \*  
**Jendo, Adrian Dominik** (Computing Option) \*†  
**Jones, Alexander Benjamin**  
**Kaushal, Kritik** \*  
**Ke, Joyce** (Economics Minor) \*  
**Kemper, Sara Louise** \*  
**Khasheepour, Sousheiant**  
**Khazaie, Arash** \*  
**Kim, Younghwan** (Computing Option) \*  
**Kinsella, Cameron Philip** (Software Engineering Option) \*  
**Kowalski, Jacob Timothy** \*  
**Kraus, Gillian Ho-Yan**  
**Kurien, Joshua** (Computing Option) \*†  
**Kurrek, Benjamin Marcus** \*  
**Kuruvilla, Nathan Jacob** \*  
**Kwan, Frederick Pak-Him**  
**Lai, Megan** \*  
**Lee, Daniel Byungwook** (Computing Option) \*  
**Lee, Ethan** \*  
**Lee, Eun Seok** (Artificial Intelligence Option) \*  
**Li, Boxun** (Computing Option) \*  
**Li, Cindy** \*†  
**Li, Haojia** (Computing Option) \*  
**Li, Marcus**  
**Li, Zishu** \*  
**Lin, Jie** \*  
**Lin, Ping-Sheng** (Artificial Intelligence Option) \*  
**Liu, Elin Yili** \*†  
**Liu, Kerui** (Software Engineering Option) \*†  
**Lu, Jia Sheng** \*†  
**Lu, Min Qian**  
**Lubana, Sehajpreet** (Computing Option)  
**Luo, Gabriel Genrui** \*†  
**Maharjan, Manuel Man** \*†  
**Mahmood, Kashfia** (Biomechanics Option & Computing Option – English Language and Literature Minor) \*  
**Malmyguine, Mikhail** \*  
**Maramganty, Sudarshan** \*  
**McCormick, Connor William**  
**McGaughey, Hewitt John** (Computing Option) \*  
**Medeiros, Levi Cole** (Computing Option) \*  
**Mihu, Maria Victoria** \*  
**Mills Emmett, Asha Allen**  
**Milne, Ariel Grace** \*  
**Mohamed Nazeer, Mohamed Farhan** \*  
**Moustafa, Mohamed Gasser** (Management Sciences Option)  
**Moustafa, Zeyad Wael Mohamed** (Artificial Intelligence Option) \*  
**Munshi, Faysal Muhammad** \*†  
**Okojie, Odianoson Conrad**  
**Palombo, Dante Alexander** \*  
**Pan, Alicia** (Computing Option) \*  
**Pardawalla, Akbar Ali** (Artificial Intelligence Option) \*  
**Park, Megan Elizabeth** \*†  
**Patel, Brijsha** \*  
**Patel, Ria**  
**Peri, Rohan** \*  
**Petrosyan, Arshak** \*  
**Pham, Jordan Patrick** \*  
**Phy, Jeremy Antonio Chiu**  
**Pillai, Arjun Santhosh** (Artificial Intelligence Option)  
**Qiu, Cathy**  
**Quan, Ryan Nicholas Cheng** (Management Sciences Option) \*  
**Rakhra, Ajit Singh** (Artificial Intelligence Option) \*†  
**Ramseyer, Jessica Nicole** \*†  
**Roberge-Arnott, Samuel** \*  
**Ruigrok, Renee**  
**Saleh, Shahed Riadh** (Computing Option) \*†  
**Salman, Warda** \*  
**Samra, Christopher Rafic Abie** (Artificial Intelligence Option) \*  
**Sareen, Parth**  
**Sayers, Christian James Byrne**  
**Seeton, Balen Chalmers** (Management Sciences Option) \*  
**Senthilnathan, Myurah**  
**Seo, Andrew**  
**Sethi, Ravpreet Singh** (Management Sciences Option)  
**Seto, Ryan** \*  
**Shah, Tanish Rajan** (Artificial Intelligence Option) \*  
**Shahidi, Faiqa Fatima**

\* – With Distinction

† – Dean's Honours List

Shahviri, Phillip Evan \*  
Singh, Abhimanyu Dev  
Singh, Kelly Cassandra (Artificial Intelligence Option) \*  
Sjaarda, Cameron \*†  
Smyth, Darby Gray \*  
Sotnikov, Artem  
Starcevic, Christopher (Computing Option)  
Stojaković, Marko  
Suen, Matthew Hay Wang (Management Sciences Option) \*  
Sun, David \*†  
Sun, Samuel Dejjia \*  
Tahir, Rafae (Artificial Intelligence Option)  
Tanen, Benjamin Aaron \*  
Tang, Nathan (Computing Option) \*  
Taylor, Josiah Jie Jik  
Tcyrenov, Dmitrii (Computing Option) \*  
Tersigni, Andrew Daniel \*†  
Theratil, Ivan Ignatius  
Tomlin, Lana Monas \*  
Tran, Calvin H (Computing Option) \*†  
Tsui, Denise Ho-See (Computing Option) \*  
Tu, Brandon (Management Sciences Option)  
van der Raadt, Maximo Paul (Computing Option) \*†  
Van Nispen, Logan James \*  
Veronesi, Victoria Emily (Computing Option)  
Voisin, Jared William (Computing Option) \*  
Waese-Perlman, Benjamin Lev (Artificial Intelligence Option) \*  
Walker, Robert Reuben Kozma \*  
Wang, Chuting (Management Sciences Option) \*†  
Wang, Xiren (Computing Option) \*  
Wijesekera, Chamath Thusithanjana (Computing Option) \*  
Wormald, Lukas Christopher (Management Sciences Option)  
Wu, Jun  
Wu, Nancy \*  
Yarram, Avinash Reddy  
Younger, Joseph Thomas Ravi \*  
Yu, Renee Pui Lam \*  
Zalewski, Nicholas Anton  
Zhang, Alex  
Zhang, Allen Yijie \*

Zheng, Zhi Qiang  
Zhou, Hubert Guanwen \*†  
Zhu, Yijie Xu (Computing Option) \*†

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## DIPLOMA IN SPANISH LANGUAGE I

Sewerynek, Joshua Colby

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## CERTIFICATE IN GLOBAL EXPERIENCE

Li, Justin Tyler  
Okojie, Odianosen Conrad

\* – With Distinction  
† – Dean's Honours List



**SATURDAY**

# **MORNING CEREMONY**

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Adnani, Seyede Sahar** (Electrical and Computer Engineering)  
“Novel Photo-Detector Architectures for High-Energy Radiation Imaging Applications”

**Aloraynan, Abdulrahman** (Electrical and Computer Engineering)  
“Noninvasive Glucose Detection Using Infrared Photoacoustic Spectroscopy and Machine Learning”

**Bassiouny, Amr Samir** (Electrical and Computer Engineering)  
“Silicon-Based Integration Technology for Terahertz Systems”

**Bhattacharyya, Prarthana** (Electrical and Computer Engineering)  
“Perception and Prediction in Multi-Agent Urban Traffic Scenarios for Autonomous Driving”

**Busnaina, Jamal Husain** (Electrical and Computer Engineering - Quantum Information)  
“Analog Quantum Simulation via Parametric Interactions in Superconducting Circuits”

**Butt, Hafiz Muhammad Usman** (Electrical and Computer Engineering)  
“Energy Management Strategies for Residential Distribution System Using Smart Meter Data”

**Camlica, Zehra** (Electrical and Computer Engineering)  
“Deep Learning-Based Driver Behavior Detection on Simulated and Real Data”

**Choi, Hyunwoo** (Electrical and Computer Engineering)  
“Polymeric Semiconductor and Transition-Metal Dichalcogenide Nanocomposites for Inkjet-Printed Thin-Film Transistor Devices”

**Dahiya, Abhinav** (Electrical and Computer Engineering)  
“Route Planning and Operator Allocation in Robot Fleets”

**Ding, Zishuo** (Electrical and Computer Engineering)  
“Beyond Natural Language Processing: Advancing Software Engineering Tasks Through Code Structure”

**Dutta, Shamak** (Electrical and Computer Engineering)  
“Resource Constrained Linear Estimation in Sensor Scheduling and Informative Path Planning”

**Eladwy, Mahitab** (Electrical and Computer Engineering)  
“Frequency Multiplier-Based RF Beamforming Front-End for Vector Modulated Signal Transmission”

**Elgabra, Hazem** (Electrical and Computer Engineering)  
“Cryogenic CMOS Compact Modeling for Cryo-Electronic Applications”

**Ghanbarian, Samira** (Electrical and Computer Engineering)  
“Topics in Modeling and Analysis of Low-Latency Systems”

**Gohardehi, Sheida** (Electrical and Computer Engineering)  
“Low-Power and High-Performance Drivers for OLEDs Microdisplays”

**Kohandani, Reza** (Electrical and Computer Engineering)  
“Self-Referencing Hybrid Plasmonic Nanostructures for Sensing”

**Li, Chunxiao** (Electrical and Computer Engineering)  
“Understanding and Improving SAT Solvers via Proof Complexity and Reinforcement Learning”

**Maffett, Rebekah Dianne** (Electrical and Computer Engineering)  
“High-Volume-Rate Ultrasound for Quantitative Assessments of Vascular Function”

**Mohammadi, Reza** (Electrical and Computer Engineering)  
“Monolithic Amorphous-Selenium/CMOS Small-Pixel-Effect-Enhanced Single-Photon-Counting Imagers for Dedicated Breast Computed Tomography”

**Rasouli, Samira** (Electrical and Computer Engineering)  
“Exploring the Use of Social Robots in Promoting University Students’ Mental Well-Being”

**Sayed, Ahmed Nasser Abdelmohsen** (Electrical and Computer Engineering)  
“UAV Detection Based on Adaptive Radar Signal Processing”

**Xiao, Di** (Electrical and Computer Engineering)  
“Robust Sonographic Muscle Quality Assessment: A Live, Accurate Tissue Speed-of-Sound Estimation Framework”

**Zaytoon, Hassan Mahmoud Mohamed Abdelhamid** (Electrical and Computer Engineering)  
“Standalone DC Microgrids Improvements Towards Smarter Grids”

**Zhao, Yiju** (Electrical and Computer Engineering)  
“Development of a Simulation Framework for 2D-Material MOSFETs: Investigating Cryogenic Behaviors and Enhancing Performance Optimization”

---

## MASTER OF APPLIED SCIENCE

**Mohammed Sajjad Jafri** (Electrical and Computer Engineering)

**Abu-Sardanah, Serene** (Electrical and Computer Engineering)

**Bakhairiba, Ahmed Mahmood Ghazi Mahmood** (Electrical and Computer Engineering)

**Buertey, Elikem** (Electrical and Computer Engineering)

**Chen, Guanyu** (Electrical and Computer Engineering)

**Deng, Bowen** (Electrical and Computer Engineering)

**Elhammady, Karim Walid Abdelazim Mohamed** (Electrical and Computer Engineering)

**Forghani, Delara** (Electrical and Computer Engineering)

**Germchi, Danesh** (Electrical and Computer Engineering)

**Jamali, Hussain** (Electrical and Computer Engineering)

**Khodaei, Elaheh** (Electrical and Computer Engineering)

**Lee, Michael Robert** (Electrical and Computer Engineering)

**Lee, Taylor John David** (Electrical and Computer Engineering)

**Lu, Xiangzhu** (Electrical and Computer Engineering)

**Moridi, Mohammad** (Electrical and Computer Engineering)

**Omidi, Mohammad Hadi** (Electrical and Computer Engineering)

**Pabbi, Srijan** (Electrical and Computer Engineering)

**Pandey, Sapna** (Electrical and Computer Engineering)

**Sharma, Rakshit** (Electrical and Computer Engineering)

**Shi, Haifeng** (Electrical and Computer Engineering)

**Song, Jialing** (Electrical and Computer Engineering)

**Sun, Qixuan** (Electrical and Computer Engineering)  
**Sun, Zhenhuan** (Electrical and Computer Engineering)  
**Tadepalli, Sai Susmita** (Electrical and Computer Engineering)  
**Tavakoli, Fatemeh** (Electrical and Computer Engineering)  
**Tran, Megan YanYan Banh** (Electrical and Computer Engineering)  
**Tung, Bernard** (Electrical and Computer Engineering)  
**Vellora Vayalapa, Aravind** (Electrical and Computer Engineering)  
**Wu, Jingyi** (Electrical and Computer Engineering)  
**Xu, Tiancheng** (Electrical and Computer Engineering)  
**Yang, Zhiqiao** (Electrical and Computer Engineering)  
**Yue, Anni** (Electrical and Computer Engineering)  
**Zhou, Xiaoliang** (Electrical and Computer Engineering)

---

## MASTER OF ENGINEERING

**Abedin, Md Mosfequl** (Electrical and Computer Engineering)  
**Ajwalia, Umang Rajeshbhai** (Electrical and Computer Engineering)  
**Akhtar Husain Shaikh, Naushaba** (Electrical and Computer Engineering)  
**Akindipe, Anjolaoluwa Daniel** (Electrical and Computer Engineering)  
**Akinmukomi, Oluwaseun Temitope** (Electrical and Computer Engineering)  
**Arunachalam Nagendran, Barath** (Electrical and Computer Engineering)  
**Bamgbose, Oluwanifemi** (Electrical and Computer Engineering)  
**Bao, Jiaheng** (Electrical and Computer Engineering)  
**Bhinder, Jaspreet Kaur** (Electrical and Computer Engineering – Co-operative Program)  
**Bin Saji, Saurav** (Electrical and Computer Engineering)  
**Chaduvula, Sindhuja** (Electrical and Computer Engineering)  
**Chen, Shou-Zhong** (Electrical and Computer Engineering)  
**Chen, Yazhi** (Electrical and Computer Engineering)  
**Chen, Yi Si** (Electrical and Computer Engineering)  
**Chennupati, Naga Jayanth** (Electrical and Computer Engineering)

**Chhabra, Nikunj** (Electrical and Computer Engineering)  
**Chiu, Yi** (Electrical and Computer Engineering)  
**Choudhary, Ujjwal** (Electrical and Computer Engineering)  
**Dai, Cheng** (Electrical and Computer Engineering)  
**Darji, Chirayu Pranav** (Electrical and Computer Engineering)  
**Dave, Jahnavi Girishbhai** (Electrical and Computer Engineering)  
**Deng, Shengfeng** (Electrical and Computer Engineering – Co-operative Program)  
**Desai, Riya Shreyas** (Electrical and Computer Engineering)  
**Desai, Sahithi** (Electrical and Computer Engineering)  
**Dhruve, Aneri Pareshkumar** (Electrical and Computer Engineering)  
**Dod, Bhupesh** (Electrical and Computer Engineering)  
**Dogra, Ayan** (Electrical and Computer Engineering – Co-operative Program)  
**Fang, Yuran** (Electrical and Computer Engineering)  
**Farooqi, Muhammad Umer** (Electrical and Computer Engineering)  
**Figueroa, Saul** (Electrical and Computer Engineering)  
**Fracalanza, Matthew** (Electrical and Computer Engineering – Electric Power Engineering)  
**Fu, Jiawei** (Electrical and Computer Engineering)  
**Ganta, Sravani** (Electrical and Computer Engineering)  
**Gediya, Rashmi Rameshbhai** (Electrical and Computer Engineering)  
**George Binu, Mathew** (Electrical and Computer Engineering – Electric Power Engineering)  
**Ghosh, Prerona** (Electrical and Computer Engineering – Co-operative Program)  
**Ghouri, Taimoor Aslam** (Electrical and Computer Engineering)  
**Grover, Harsh** (Electrical and Computer Engineering)  
**Gu, Chenhui** (Electrical and Computer Engineering)  
**Guo, Zihao** (Electrical and Computer Engineering)  
**Gupta, Paranjay** (Electrical and Computer Engineering – Co-operative Program)

**Hafeez, Muzamil** (Electrical and Computer Engineering)  
**Haider, Samran** (Electrical and Computer Engineering)  
**Haque, Mubinul** (Electrical and Computer Engineering)  
**Heidari, Mohammad** (Electrical and Computer Engineering)  
**Hosseini, Seyed Erfan** (Electrical and Computer Engineering)  
**Huang, Tzu-Ting** (Electrical and Computer Engineering)  
**Huang, Xielin** (Electrical and Computer Engineering)  
**Iftikhar, Umair** (Electrical and Computer Engineering)  
**Jayakumar, Krishna Prasad** (Electrical and Computer Engineering)  
**Jiang, Xinrui** (Electrical and Computer Engineering)  
**Jiang, Xuehan** (Electrical and Computer Engineering)  
**Jing, Fei** (Electrical and Computer Engineering – Co-operative Program)  
**Jonnalagadda, Sai Praveen** (Electrical and Computer Engineering)  
**Kadam, Lakhnan Tanaji** (Electrical and Computer Engineering)  
**Kalikivaya, Tarun Aditya** (Electrical and Computer Engineering)  
**Kanwar, Aryan** (Electrical and Computer Engineering)  
**Kapoor, Nishtha** (Electrical and Computer Engineering)  
**Kaur, Amandeep** (Electrical and Computer Engineering)  
**Kaur, Divjot** (Electrical and Computer Engineering)  
**Kaur, Navneet** (Electrical and Computer Engineering)  
**Kaur, Prabhjot** (Electrical and Computer Engineering)  
**Kaur Gill, Supreet** (Electrical and Computer Engineering)  
**Kebriaee, Mina** (Electrical and Computer Engineering)  
**Khan, Mustafa Mujahed** (Electrical and Computer Engineering)  
**Khatkar, Digant Singh** (Electrical and Computer Engineering)  
**Kodali, Sai Harshad Suresh** (Electrical and Computer Engineering)  
**Kumar, Aman** (Electrical and Computer Engineering – Co-operative Program)  
**Kumar, Ankush** (Electrical and Computer Engineering)

**Li, Chenyang** (Electrical and Computer Engineering)

**Li, Xiaoyi** (Electrical and Computer Engineering – Electric Power Engineering)

**Li, Yichu** (Electrical and Computer Engineering)

**Li, Zeyu** (Electrical and Computer Engineering)

**Liu, Jingshuo** (Electrical and Computer Engineering – Co-operative Program)

**Liu, Steven** (Electrical and Computer Engineering)

**Lu, Jiaxuan** (Electrical and Computer Engineering)

**Luo, Xuhua** (Electrical and Computer Engineering)

**Mansuri, Mohammed Imranbhai** (Electrical and Computer Engineering)

**Matla, Santhosh** (Electrical and Computer Engineering)

**Maurya, Arun Shyamraj** (Electrical and Computer Engineering)

**Menon, Aparna Mahadevan** (Electrical and Computer Engineering)

**Min, Chun-Lin** (Electrical and Computer Engineering)

**Mohammad, Abdul Raqeeb** (Electrical and Computer Engineering)

**Mohsenpour, Abbas** (Electrical and Computer Engineering)

**Narayanamangalathu Mana, Vasudev** (Electrical and Computer Engineering)

**Naved, Osama Bin** (Electrical and Computer Engineering)

**Ndangalasi, Nickson Henry** (Electrical and Computer Engineering)

**Ng, Kwan Ming** (Electrical and Computer Engineering)

**Nikam, Shashwat Shrikant** (Electrical and Computer Engineering)

**Ning, Zhiyuan** (Electrical and Computer Engineering)

**Odinakachukwu, Chikodili Peace** (Electrical and Computer Engineering)

**Ogbonna, Chukwudi Ajaero** (Electrical and Computer Engineering – Co-operative Program)

**Olowoyo, Omotilewa David** (Electrical and Computer Engineering)

**Pallati, Likhil Babu** (Electrical and Computer Engineering)

**Panchal, Nidheesh Rajesh** (Electrical and Computer Engineering)

**Panchal, Vinayak Gajendra** (Electrical and Computer Engineering)

**Pannala, Nandini Reddy** (Electrical and Computer Engineering)

**Park, Juyoung** (Electrical and Computer Engineering)

**Park, Yeon Ho** (Electrical and Computer Engineering – Electric Power Engineering)

**Parveen, Sara** (Electrical and Computer Engineering)

**Patel, Dax Bhavdipkumar** (Electrical and Computer Engineering)

**Patel, Dhyye Darshanbhai** (Electrical and Computer Engineering)

**Patel, Heeral** (Electrical and Computer Engineering)

**Patel, Hemin** (Electrical and Computer Engineering)

**Patel, Ishrat Ishtiaq** (Electrical and Computer Engineering – Co-operative Program)

**Patel, Keyur Jayesh** (Electrical and Computer Engineering)

**Patel, Kush Bhaveshkumar** (Electrical and Computer Engineering)

**Patel, Smit Dushyantkumar** (Electrical and Computer Engineering)

**Patel, Yashvi Rakeshkumar** (Electrical and Computer Engineering)

**Patil, Keyur Dinesh** (Electrical and Computer Engineering)

**Ponamgi, Venkata Sessa Sai Shravan** (Electrical and Computer Engineering)

**Pothamsetty, Vijaya Manikanta Reddy** (Electrical and Computer Engineering)

**Qin, Yuren** (Electrical and Computer Engineering)

**Quach, Minh Quan** (Electrical and Computer Engineering)

**Raheem, Muritala Adeniyi** (Electrical and Computer Engineering)

**Raheja, Manan** (Electrical and Computer Engineering)

**Raja, Vikram** (Electrical and Computer Engineering)

**Rajagopal Muthu, Vinitha Raj** (Electrical and Computer Engineering)

**Ramayanam, Keerthi Mukund** (Electrical and Computer Engineering)

**Ramteke, Rakhi** (Electrical and Computer Engineering – Co-operative Program)

**Rana, Dhrumil Atulbhai** (Electrical and Computer Engineering)

**Rathore, Shakti Singh** (Electrical and Computer Engineering)

**Ravi, Anirudh** (Electrical and Computer Engineering)

**Ren, Boyuan** (Electrical and Computer Engineering)

**Ren, Xinran** (Electrical and Computer Engineering)

**Roshani, Pardis** (Electrical and Computer Engineering)

**Saikonda, Krishna Tarun** (Electrical and Computer Engineering)

**Sanni, Ibukunoluwa Chinedu** (Electrical and Computer Engineering)

**Saravanan, Shwetha** (Electrical and Computer Engineering)

**Sardana, Nimish** (Electrical and Computer Engineering)

**Savani, Mitkumar Babubhai** (Electrical and Computer Engineering)

**Scott, Connar David** (Electrical and Computer Engineering)

**Selvarajan, Mahalakshmi** (Electrical and Computer Engineering)

**Shafiei, Ali** (Electrical and Computer Engineering)

**Shariff, Mohammed Ibrahim** (Electrical and Computer Engineering)

**Sharma, Nikhil** (Electrical and Computer Engineering – Co-operative Program)

**Shedge, Manthan Suresh** (Electrical and Computer Engineering)

**Shinde, Shreya Rajendra** (Electrical and Computer Engineering)

**Singh, Dilpreet** (Electrical and Computer Engineering)

**Singh, Ramneet** (Electrical and Computer Engineering – Co-operative Program)

**Singh, Rashandeep** (Electrical and Computer Engineering)

**Sivakumar, Karthik Prakash** (Electrical and Computer Engineering)

**Song, Yutong** (Electrical and Computer Engineering)

**Su, Jiayao** (Electrical and Computer Engineering)

**Sun, Chengang** (Electrical and Computer Engineering)

**Taiwo, Oluwaseyi Mosobalaje** (Electrical and Computer Engineering)

**Tao, Tianshu** (Electrical and Computer Engineering)

**Thakor, Dimpal Dilipsinh** (Electrical and Computer Engineering)

**Thangaperumal, Ganeshbharathi** (Electrical and Computer Engineering)

**Tom, Aiswarya** (Electrical and Computer Engineering)

**Trivedi, Ishu** (Electrical and Computer Engineering)

**Ugale, Aniket Kishor** (Electrical and Computer Engineering)

**Van Leeuwen, Humna** (Electrical and Computer Engineering)

**Vargas Bueno, Andres Eduardo** (Electrical and Computer Engineering)

**Vas, Leticia Dishel** (Electrical and Computer Engineering)

**Wang, Anqi** (Electrical and Computer Engineering)

**Wang, Cuiyang** (Electrical and Computer Engineering)

**Wang, Fanglin** (Electrical and Computer Engineering)

**Wang, Jilong** (Electrical and Computer Engineering)

**Wang, Lingxiao** (Electrical and Computer Engineering)

**Wang, Qianqian** (Electrical and Computer Engineering)

**Wei, Zhijun** (Electrical and Computer Engineering)

**Wong, Tikho** (Electrical and Computer Engineering)

**Wu, Jize** (Electrical and Computer Engineering)

**Wu, Keyu** (Electrical and Computer Engineering)

**Xu, Qinyi** (Electrical and Computer Engineering)

**Xue, Shan** (Electrical and Computer Engineering)

**Yang, Yufeng** (Electrical and Computer Engineering)

**Yu, Weiqiang** (Electrical and Computer Engineering – Co-operative Program)

**Zhan, Yukun** (Electrical and Computer Engineering)

**Zhang, Fan** (Electrical and Computer Engineering)

**Zhang, Hanqian** (Electrical and Computer Engineering)

**Zhang, Hanwen** (Electrical and Computer Engineering)

**Zhang, Jiaqi** (Electrical and Computer Engineering)

**Zhang, Qianru** (Electrical and Computer Engineering)

**Zhao, Dicong** (Electrical and Computer Engineering – Co-operative Program)

# Undergraduate Degrees

## BACHELOR OF APPLIED SCIENCE

### COMPUTER ENGINEERING

Abdullah, Muhammad  
Abedin, Md Nafis \*  
Achuoth, Mariak Santino  
Adams, Daniel Mackenzie \*  
Aftab, Jarif Raad \*  
Agarwal, Saarang (Artificial Intelligence Option) \*†  
Ahluwalia, Arsh \*  
Aissaoui, Anees \*†  
Al-Atrash, Karim Zaid \*†  
Ali, Saqib  
Anand Kannan, Shashank \*  
Anavadya, Anweshi \*†  
Arjune, Christopher \*†  
Arora, Navya  
Asif, Umar \*  
Atharnejad, Arman  
Au, Jacob Mong Han \*  
Aujla, Gurvijaypal Singh \*†  
Aulakh, Sarmandeep Singh \*  
Avolio, Matthew Mario \*  
Baker, Deandre Michael  
Balamurugan, Jaishree \*†  
Balendra, Adshayan \*  
Bao, Nicolas Yuxuan  
Begum, Muhana Sultana  
Beillis, Nicole \*  
Bello, Abubakar Afolabi Ponle \*†  
Bi, Jerry  
Bilal, Wardah  
Bilaver, Eric Edward  
Bodner, Jonathan Gabriel Robert \*  
Bose, Abhyuday  
Bown, Dalton Carter (Software Engineering Option) \*†  
Braun, Joel Douglas  
Breiva, Mavelyn \*  
Bui, Ryan The-Huy \*  
Bylykbashi, Geri \*  
Cai, Huichuan  
Carrion Corveira, Braulio Andres  
Chalakkal, Austin Sebi \*

Chang, Paul  
Chaudhari, Vinay  
Chelladurai, Iniyann Immanuel  
Chen, Catherine Jijia \*†  
Chen, Haonan \*†  
Chen, Lu Yao \*  
Chen, Selena Yuzhu \*  
Chen, Shijia \*  
Chen, Vincent W.B.  
Chen, Weixue \*  
Cherish, Nourish  
Chi, Stephen Feng \*†  
Chik, Joey Chun-Yin  
Chilukuri, Aditya Savitru Bhanu \*  
Chitkara, Jugal Sanjay \*  
Cho, Soo Keong  
Choa, Keith Daniel \*†  
Chong, Kimberley Samantha-Mei \*  
Chung-Hun, Nicholas Stephen \*  
Clarke, Garrick Simon \*  
Clements, Jory Cole \*  
Cooper, Martin Ashley \*†  
Crocker, Jacob Gregory  
Dai, Ming Liang \*  
De Pol, Stephanie Julianne \*  
De Souza, Jordan Andrew \*  
Decena, Geordiron Gacutan \*  
Dharaskar, Soumil \*  
Dioneda, Claudia Victoria Nethercott \*  
Dong, Kefan  
Du, Yucong  
Dyck, Kyle Peter (Communications and Signal Processing Specialization) \*  
Elgawish, Nour  
Enright, Jackson Thomas \*  
Erisoglu-Akyildiz, Derin Kayra \*  
Fernandes, Darren Clayton \*  
Fourchalk, Jonah Adam Zung-Tsi  
Francis, Nathan Andre \*  
Gaikwad, Mayuresh Khanderao \*†  
Garg, Anushka  
Garg, Shivangi \*†  
Gionet, Michael Robert \*

Gravelle, Cole Aidan Lee \*  
Guan, Matthew Yongpeng \*  
Guo, Feng \*†  
Gupta, Ayush \*†  
Hanif, Saifullah \*  
Hao, Shuyang \*  
Hasan, Arham \*†  
Hassan, Russell Ka-Hay Danyal (Music Minor) \*  
He, Alex Jun Heng \*†  
He, Chengbin \*  
Ho, Ernest Hansen \*  
Ho, Rachel Kayee \*  
Hoffman, Ryan Tyler  
Hu, Alan \*†  
Hu, Tiantong \*†  
Huang, Cindy \*†  
Huang, Henry  
Huang, Hongfei \*  
Huang, Liam \*  
Huang, Stanley  
Huang, Yeshi \*  
Hung, Kenneth Kai Young \*†  
Hussain, Arib Syed  
Huynh, Justin Sean \*  
Huynh, Kevin \*  
Iyer, Pawan Srinivasan  
Jain, Abhishek \*†  
Jain, Shaurya \*  
Jandal Alrifai, Nizar \*†  
Jiang, Zenan \*  
Jiao, Jia Hua (Communications and Signal Processing Specialization – Economics Minor) \*†  
Jones, Derek William Houghton \*  
Kachhia, Preyansh Pragneshkumar \*  
Kalathil, Kevin Abraham \*  
Kambulow, Joel Nathaniel \*  
Kang, Sarah Dahong  
Kassamali, Rizwan \*  
Khan, Hammad Ali  
Khan, Sayma Akhter  
Khan, Taimur Kaleem \*  
Khorasani, Nicholas Collins \*†  
Kim, Han Su

\* – With Distinction  
† – Dean's Honours List

Kim, Seongkyu	Menon, Rishi *†	Rokas, Gary Ian Anthony *
Kissoon, Emily Soorya *	Minhas, Gurbir Singh	Rouhana, Ralph
Kugler, Ryan William *	Moon, Dohyun *	Rusin, Dennis *
Kumarasinghe, Kaveen *	Morley, Braden Jonathan	Rzepka, Christopher Stanley (Artificial Intelligence Option)
Kundnaney, Joy Kabir Lokendra	Nadeem, Ahsan	Said, Yousef *
Lanson, Jonathan *	Nair, Aditya	Salem, Omar Isam
Le, Kevin *	Naqvi, Syed Ali Mujtab *	Salvador, Adrian Patrick De Jesus
Le, Kevin Huy *	Nasar, Marwan Osman	Santhirakumar, Sathursan Sharoon *†
Lee, Denise Frances	Nguyen, Brian Minh *	Sarker, Fatin
Lee, Joshua Yulok *	Nguyen, Duc Nhu Ngoc *	Sayed-Ali, Hamza Adham
Lee, Kevin *†	Nicholas, Januston *	Senthuran, Satavanan *
Lee, Kyle Yuan Yang *†	Niu, Maximus Jialong	Shah, Aman Ashish *
Lei, Jinghao *	Nurani Viswanathan, Sriram	Shah, Angel *
Levesque, René Ephraim Milberry *†	Oliver, Thomas Joseph *	Shah, Hrishit Vivek *
Li, Andrew Jie-Chung *	Omer, Zaid *	Shah, Jahnavi Hemant *
Li, Hangning	Pai, Sparsh Sandeep	Shah, Nisarg *
Li, Jin Yi *	Panizza, Matthew William *	Shahjahan, Tazik
Li, LanJing	Paraschiv, Andrei Stefan (Communications and Signal Processing Specialization) *	Shahriar, Saleen *
Li, Leonard Junchen	Park, Jin Seo	Shanbhag, Raksha (Software Engineering Option) *
Li, Qian	Patel, Harshkumar Nareshkumar *	Sharma, Mehr *
Liang, Kevin	Patel, Mahima Harish *	Shen, Bowen
Lin, Jing Yu *†	Patel, Neel Atulkumar *	Shi, Ran
Lin, Rose *	Patel, Vatsal Anandkumar *	Shimonov, Meagan *
Liu, Andrew	Patel, Vraj Dharmendra	Šilobad, Luka *
Liu, Chen Yi	Pathak, Shlok *	Sim, Raven Winter
Liu, Patricia Xian-Li *†	Pathan, Tanzim *	Singh, Arunima *
Liu, Samuel SK	Pavlovic, Maria	Singh, Aryaman *†
Liu, Siyi *	Peng, Brian *	Singh, Yashtej *†
Liu, Sophia Qing	Potdar, Nihal *†	Sisjayawan, Kevin *
Liu, Yi Hong *	Praskurnin, Matthew *	Smith, Jameson Craig *†
Lo, Yu Chieh	Pringle, Adrien Roman Ian *	Smith, Lauren Lingnan
Lu, Justin *†	Propp, Eli Hanan *†	So, Wai-Kit Ericson *
Luo, Zixin *	Qie, Yixing *†	So, Winston Siu Lun *
Lysenko, Matthew Ethan	Qin, Hua Cheng *†	Song, Haoyu *
Mach, Ernst Se Long *†	Qin, Xue Qian (Economics Minor)	Sribalaskandarajah, Dharini
Mago, Vansh *	Qu, Qiushi	Stauffer, Trent Joseph *†
Mah, Braden Timothy *	Quintana, Nicolas Magellan	Strizak, Janko
Mahto, Anish *†	Rahman, Mahdi Araf *	Su, Anda *
Majumdar, Saurodeep Dipankar (Artificial Intelligence Option) *	Raihaan, Mohammad Syed	Subbaraman, Sumanth *
Makumbura, Kaveen Chamika	Rajkumar, Dhruva	Sudhakar, Vaibhav *
Malik, Sabeeh Hassan *	Rampurawala, Taher Murtaza	Sudheer, Gayathri *
Manaktala, Saksham	Rathi, Prisha	Sudhir, Sidharth Suja *
Mangat, Ravinder Singh *	Ratnasivam, Rishan *†	Suen, Felix Wai Hong *†
Martin, James Douglas *	Rayner, Benjamin Ronald *	Syed, Muzammiluddin *
Mathisekaran, Anujan *	Razzaq, Shazil *	Tam, William
Mayilvahanan, Ram Hanumanth *	Rintjema, Jacob Thomas	Tan, Chris *
Mehta, Arjun *	Rocco, Juliette Marie	Tan, Matthew Eric Lim *
Mehta, Drasti Dharmesh *	Rogut, Kuba Robert *	Tang, Carson Ka-Shun *†
Mendes, Justin Carter		

\* – With Distinction

† – Dean's Honours List

Tao, Weilan  
 Tao, Xu  
 Thota, Jahnavi \*  
 To, Kyle Long-Hung  
 Tou, Emily Ching Tong  
 Trac, Christine  
 Traxler, Christian Lewis \*  
 Troci, Enel  
 Truong, Anthony William \*  
 Tu, Hongyu \*  
 Uddin, Lamia \*  
 Vlahos, Eli  
 Waheed, Muhammad Haris \*  
 Wang, Austin Tao Heng \*  
 Wang, David Yu  
 Wang, Jason \*  
 Wang, Shihang  
 Wang, Sihan \*  
 Wang, Tianhao  
 Wang, Zeen  
 Wang, Ziming  
 Wei, Huanyou \*†  
 Weng, Jarvis (Communications and Signal Processing Specialization) \*  
 Wihandi, Darren Feiliantho \*†  
 Willis, Ryan Rodney \*  
 Won, Myung Sup  
 Wong, Terence Hiu-Kin \*  
 Wu, Brenden Mitchell \*  
 Wu, Ji \*  
 Wu, Jianan \*  
 Wu, Lok Hin \*†  
 Wu, Phillip  
 Wu, Yiwen \*†  
 Xi, Cheng Yang \*  
 Xiang, Chuhan \*†  
 Xiao, Jikai \*  
 Xie, Pingchuan \*  
 Xing, Jerry  
 Xu, Haodong \*  
 Xu, Jianping  
 Xu, Yi Fei  
 Yan, Qing Feng \*  
 Yang, Kenneth Mingkun \*  
 Yang, Yutong \*†  
 Ye, Ren Kui \*  
 Yin, Zi Zhou \*  
 Yoon, John Seungwon  
 Yu, Andy \*  
 Yu, Zhiyao \*

Yuan, Eric Si Zheng  
 Yun, Daniel Mingyu \*  
 Zafar, Muhammad \*  
 Zhai, Tianyu \*  
 Zhang, Carl  
 Zhang, Chen Feng  
 Zhang, He  
 Zhang, Minhui \*†  
 Zhang, Pei  
 Zhang, Wenrui \*  
 Zhang, Yi Zhe \*†  
 Zhang, Yuan Song \*†  
 Zhang, Zihan  
 Zhang, Zihe \*  
 Zhao, Jian Xiang (Artificial Intelligence Option) \*  
 Zhao, Wendi \*†  
 Zheng, Jia Xi \*  
 Zheng, Laurent Yanyi (Physical Sciences Option) \*  
 Zhu, Kelsey Yifan \*  
 Zhu, Michael Haoyu

#### ELECTRICAL ENGINEERING

Agha, Shuja \*  
 Ahilan, Akshayan  
 Al-Dabbah, Mathew \*†  
 Ali, Ruqayyah Ambar  
 Bell, Simon Roderick \*†  
 Bertley, Jessica Monique  
 Chan, Chris (Communication and Signal Processing Specialization) \*†  
 Chisty, Preenon Hossain (Communication and Signal Processing Specialization) \*  
 Choi, Alex Hojun  
 Choi, Nathan  
 Cimring, Barry Evan (Physical Sciences Option) \*†  
 Croos, Daniel Daryl \*  
 Dagnone, Ethan Alexander  
 Dave, Stuti Niral \*†  
 Fahmi, Yahya Mohamed  
 Fang, Sheng Yue \*  
 Flack, Benjamin Keith \*  
 Gilbert, Ethan (Communication and Signal Processing Specialization)  
 Gill, Jason Singh  
 Habib, Sara Usama Fawzy \*†  
 Huang, Ricky Zi An \*  
 Jain, Bhavya  
 Jin, Ming Ze

Ko, Jonathan Nigel (Communication and Signal Processing Specialization) \*  
 Li, Patrick Pangjun  
 Mah, Ryan Joshua \*  
 Majeed, Rabiya \*  
 Malhotra, Aditya (Computing Option)  
 Mehic, David Lukas Sam \*†  
 Naik, Dheer \*  
 Nguyen, Justin Duy-An \*  
 Oh, Seunguk \*  
 Petrevski, Samoil (Communication and Signal Processing Specialization) \*†  
 Phu, Brandon Ryan \*  
 Sanchez, Eduardo \*  
 Sarin, Sachin  
 Shahbaz, Adries Omid (Communication and Signal Processing Specialization) \*  
 Shan, Kayshini \*  
 Smith, Erin Kathleen  
 Song, Lin Xuan \*  
 Surendra, Priyanka (Artificial Intelligence Option)  
 Tan, Kelly Kinh \*  
 Tang, Sterlyn Nicholai \*  
 Vobbalareddy, Raghav Nitish Chandra \*  
 Wang, Yu Tao \*†  
 Watson, Edward Jared  
 Windholtz, Wolfgang Robert \*  
 Yu, Tina  
 Zakiullah, Zulaikha Binti (Life Sciences Option) \*  
 Zhou, Max (Computer Engineering Option) \*

\* – With Distinction  
 † – Dean's Honours List



**SATURDAY**

# **AFTERNOON CEREMONY**

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Alateibi, Muna** (Systems Design Engineering)

“Adaptions of Green Growth and Degrowth in an Oil-Dependent Economy Toward a Better Future”

**Boktor, Marian Kamel Attiatalla**

**Youssef** (Systems Design Engineering)

“Virtual Staining of Photon Absorption Remote Sensing Histology Images: A Promising Approach for Label-Free Histological Imaging”

**Hryniowski, Andrew Philip Preston**

(Systems Design Engineering)

“A Representational Response Analysis Framework For Convolutional Neural Networks”

**Inkol, Keaton Alexander** (Systems Design Engineering)

“Dynamics and Model-Based Control of Balance Recovery in Humans Using Lower-Limb Exoskeletons”

**Jiang, Mingzhe** (Systems Design Engineering)

“Operational Sea-Ice Classification of Dual Polarized SAR Imagery”

**Karimi, Fatemeh** (Systems Design Engineering)

“Cortical Dynamics Associated with Freezing of Gait and its Severity in Parkinson’s Disease: An Integrative EEG-Based Analysis for Biomarkers and Detection”

**Lee, Kyu Min** (Chemical Engineering)

“Structurally Enhanced Electrodes for Redox Flow Batteries Produced via Electrospinning”

**Maleki, Danial** (Systems Design Engineering)

“Harmonizing the Scale: An End-to-End Self-Supervised Approach for Cross-Modal Data Retrieval in Histopathology Archives”

**Mohammadi Nasrabadi, Ali Asghar** (Systems Design Engineering)

“Optimizing Total Hip Arthroplasty Using Predictive Dynamic Simulation of Human Sit-to-Stand Movement and Deep Learning for Flexible Spinopelvic Model Identification”

**MohammadiHosseinabadi, Hossein** (Systems Design Engineering)

“Experimental and Numerical Analysis of Tympanic Membrane Biomechanics for Minimally-Invasive Surgical Innovations”

**Mustafaalsaafin, Areej S. M.**

(Systems Design Engineering)

“Multimodal Artificial Intelligence for Histopathology & Genomics Fusion”

**Noormohammadi Asl, Ali** (Systems Design Engineering)

“Preference and Performance-Based Adaptive Task Planning in Human-Robot Collaboration”

**Ojogbo, Ewomazino Constance**

(Chemical Engineering)

“Highly Cross Linked Natural Rubber-Cellulose Nanocrystals Composites for Sustainable Material Applications”

**Or, Tyler** (Chemical Engineering)

“Development of Cobalt-Free Cathodes for Lithium-Ion Batteries”

**Ross-Howe, Sara Anne** (Systems Design Engineering)

“A Deep-Learning Framework for Detecting and Predicting Clinical Events Using Continuous, Multimodal Physiological Signals”

**Saadatmand Hashemi, Sanaz**

(Systems Design Engineering)

“Experimental and Computational Micromechanical Investigations for Developing Mechanically Competent 3D Printable Nanocomposite Biomaterials”

**Shafique, Abubakr** (Systems Design Engineering)

“Representation Learning for Image Search in Histopathology”

**Sharma, Ajar** (Systems Design Engineering)

“Analyzing the Cauvery River Dispute Using a Systems of Systems Approach”

**Soleymani, Armina** (Systems Design Engineering)

“Evaluation of Passive Microwave-Based Sea Ice Edge and Marginal Ice Zone”

**Uereten, Ece** (Systems Design Engineering)

“Models of Cognitive Work Analysis in Neurocritical Care and Perspectives on Expertise - An Ecological Interface Design Approach”

**Vaidyanathan, Natarajan** (Systems Design Engineering)

“Observe, Predict, Adapt: A Neural Model of Adaptive Motor Control”

**Xie, Zhemiao** (Systems Design Engineering)

“2D Material Based PTE Detectors with Room Temperature Operations”

**Xu, Bo** (Chemical Engineering)

“Dynamic Latent Structured Data Analytics for Process Modeling and Monitoring”

**Xu, Luzhu** (Chemical Engineering - Nanotechnology)

“Manipulating Exfoliated 2D Materials at the Air-Water Interface: Towards Large-area Coatings and Applications”

**Yu, Yue** (Chemical Engineering)

“CO<sub>2</sub> Conversion to Syngas and Hydrocarbons over Transition Metal-Based Catalysts Synthesized via Reverse Microemulsion Method”

**Zhang, Haitian** (Chemical Engineering)

“Improved Dynamic Latent Variable Modeling for Process Monitoring, Fault Diagnosis and Anomaly Detection”

---

## MASTER OF APPLIED SCIENCE

**Abid, Azwad** (Systems Design Engineering)

**Alguindigue, Jose A** (Systems Design Engineering)

**Basri, Mohammad Ahmed** (Systems Design Engineering)

**Blanchard, Rachel Jessica** (Chemical Engineering)

**Bradley, Matthew Warren** (Systems Design Engineering)

**Chen, Yinghan** (Systems Design Engineering)

**Conner, Abigail Anne** (Chemical Engineering)

**Davari, Susan** (Chemical Engineering)

**Enkhbat, Myagmartsend** (Chemical Engineering)

**Ezzo, Noura** (Chemical Engineering)

**Ghavam, Sepehr** (Systems Design Engineering)

**Huang, Yuxiang** (Systems Design Engineering)

**Khakwani, Gulzeb Khan** (Chemical Engineering)

**Kim, Ka Young** (Chemical Engineering)  
**Koh, Auguste Lawrence Whelan** (Systems Design Engineering)  
**Li, Xiaojia** (Chemical Engineering)  
**Miller, Elizabeth Esther** (Chemical Engineering)  
**Mokbel, Sajeda** (Chemical Engineering)  
**Mouharrar, Hamza** (Systems Design Engineering)  
**Nguyen, Minh Xuan** (Chemical Engineering)  
**Pinchin, Natalie Prislinger** (Chemical Engineering)  
**Rahimidarestani, Yasaman** (Chemical Engineering - Nanotechnology)  
**Sana, Faizan** (Systems Design Engineering)  
**Sen, Rajeswari** (Chemical Engineering)  
**Shahi, Fatemeh** (Systems Design Engineering)  
**So, Terry Ming Yiu** (Chemical Engineering)  
**Stella, Andrew John** (Chemical Engineering)  
**Storwick, Thomas Gregory Crabtree** (Chemical Engineering - Nanotechnology)  
**Sun, Fancheng** (Chemical Engineering)  
**Tai, Chi-En Amy** (Systems Design Engineering)  
**Zeng, Emily Zhixuan** (Systems Design Engineering)  
**Zhang, Dayu** (Systems Design Engineering)  
**Zim, Mohammad Kazem** (Chemical Engineering)

---

## MASTER OF ENGINEERING

**Birdi, Simran Kaur** (Chemical Engineering)  
**Chattha, Noor Ahsan** (Chemical Engineering)  
**Chen, Junning** (Systems Design Engineering)  
**Chen, Kaiyi** (Systems Design Engineering)  
**Choudhary, Charvi Mukund** (Systems Design Engineering)  
**Cui, Xiuqi** (Systems Design Engineering)  
**Datla, Harsha Vardhan Varma** (Systems Design Engineering)

**Dongre, Prateek Vinod** (Chemical Engineering)  
**FayazFazeli, Yasamin** (Chemical Engineering)  
**Gandhi, Abhishek Yogesh** (Chemical Engineering)  
**Geng, Danlei** (Systems Design Engineering)  
**Huang, Tianju** (Systems Design Engineering)  
**Ingle, Anshuman Praveen** (Chemical Engineering)  
**Jia, Xirun** (Systems Design Engineering)  
**Kanani, Kirtan Hareshbhai** (Systems Design Engineering)  
**Li, Xiaoqi** (Systems Design Engineering)  
**Li, Zhiyuan** (Systems Design Engineering)  
**Louis, Shawn** (Systems Design Engineering)  
**Macpepple, Tamunoibienye Jessica** (Systems Design Engineering)  
**Mahboob, Usman** (Chemical Engineering)  
**Mahmood, Asheek** (Systems Design Engineering)  
**Obianwuzia, Patrick Emeka** (Chemical Engineering)  
**Panchal, Shivani Bharatbhai** (Chemical Engineering)  
**Panda, Abhishek** (Chemical Engineering)  
**Patel, Apurvakumar Jayeshbhai** (Chemical Engineering)  
**Qu, Zhenjie** (Systems Design Engineering)  
**Rajaraman, Seshan** (Systems Design Engineering)  
**Shah, Saharsh Jitendrakumar** (Chemical Engineering)  
**Shen, Zuoxin** (Chemical Engineering)  
**Singh, Hitesh Saranjeet** (Chemical Engineering)  
**Unnikrishnan, Anish** (Chemical Engineering)  
**Vattikonda, Srujani** (Systems Design Engineering)  
**Vishesh, Yamy** (Chemical Engineering)  
**Vu, Vy Phuong** (Systems Design Engineering)  
**Waghu, Naweed Rizwan** (Chemical Engineering)  
**Wang, Jiaxin** (Systems Design Engineering)

**Wong, Ho Yi** (Systems Design Engineering)  
**Wu, Hanrui** (Systems Design Engineering)  
**Yao, Jinhong** (Systems Design Engineering)  
**Yerxa, Meagan Alexandra** (Chemical Engineering)  
**Yu, Jinghan** (Systems Design Engineering)  
**Yu, Wei** (Systems Design Engineering)  
**Zhang, Haoyuan** (Systems Design Engineering)  
**Zhang, Zhonghao** (Systems Design Engineering)

# Undergraduate Degrees

## BACHELOR OF APPLIED SCIENCE

### BIOMEDICAL ENGINEERING

**Ahmed-Fazal, Inaara** (Computing Option) \*

**Alvizo, Ethan Rafael Bringino** (Computing Option) \*

**Bansal, Lagan**

**Bhathal, Sabraj Singh** (Computing Option) \*

**Bicknell, Emily Anne** (Computing Option) \*

**Birch, Christina Elizabeth** (French Minor) \*†

**Boulanger, Eve Rosemary** (Biomaterials and Tissues Specialization) \*

**Brar, Gurman** \*

**Burke, Samuel Michael Marvin Lau Seung Man** (Neural Engineering Specialization/Computing Option) \*

**Cardoza, Hannah Elizabeth Angelina** \*†

**Cauchi, Ayden Marcus** (Computing Option) \*

**Chan, Alexander** (Life Sciences Option) \*

**Chelva, Jesica Abirami** (Management Sciences Option) \*

**Chen, Fenglin** (Artificial Intelligence Option) \*†

**Chu, Lixin**

**Courchesne, Adam Michael** \*†

**D'Silva, Megan Rebecca** (Computing Option) \*

**Dykstra, Sarah Jocelyn** (Neural Engineering Specialization/Computing Option) \*†

**Elliott, Nicole Sydney** \*

**Emadi, Elika Ava** (Computing Option) \*

**English, Tess Amelia** \*

**Gad, Mohammed** (Medical Artificial Intelligence Specialization/Computing Option) \*

**Harvey, Kate** (Neural Engineering Specialization) \*

**Huang, Chen Xi** (Life Sciences Option & Computing Option) \*†

**Jetha, Kayla Alyssa** (Computing Option) \*

**Johnson, Amanda Ann Patricia** (Neural Engineering Specialization) \*†

**Kassam, Raziq Hussein** \*

**Kern, Juliet Maria Trudie** (Computing Option) \*

**Korolov, Alexandra** \*

**Kwak, Yewon** (Computing Option) \*

**Lacoste, Meghan Alanna** (Computing Option) \*†

**Lam, Charmaine** (Computing Option) \*

**Lee, Chaeyeon** (Computing Option) \*

**Leinwand, Jonah** \*†

**Leung, Rachel Lok Yee** \*

**Li, Brian Rui** (Computing Option) \*†

**Li, Victoria** (Computing Option) \*

**Liu, Valerie** (Computing Option) \*

**Ma, Rong** (Computing Option) \*

**Macartney, Christopher Richard** \*

**Mende, Emily Chisato** \*

**Minten, Céili Dawn** (Neural Engineering Specialization) \*

**Mughal, Amna** (Management Sciences Option) \*

**Nanji, Aadam** \*†

**Ng, Candace** (Management Sciences Option & Artificial Intelligence Option – Mathematics Minor) \*

**Nguyen, Bao-Nghi Nadia** (Computing Option) \*

**Nguyen-Huu, Howard Hao** (Artificial Intelligence Option & Computer Engineering Option) \*

**O'Hara, Finnegan Frederick** (Medical Artificial Intelligence Specialization) \*†

**Pakenham, Douglas Grant** \*

**Patel, Kshin K'raj** (Biomaterials and Tissues Specialization) \*

**Peskova, Mariya** (Biomaterials and Tissues Specialization) \*

**Poon, Yuet Yan Eunice** (Mathematics Minor)

**Raycraft, Cody Wilfred Baria** (Biomaterials and Tissues Specialization) \*

**Shen, Jane** \*

**Simone, Bianca D'Andrea** (Sports Engineering Specialization) \*

**Singh, Aryan** \*†

**Singh, Eknoor** (Management Sciences Option)

**Stupalo, Sophia Nicole** \*†

**Sui, Yantong** \*

**Sukumaran, Padmaashini** (Software Engineering Option) \*

**Tandon, Anushka** (Computing Option & Management Sciences Option) \*

**Tario, Hannah** \*

**Thompson, Claire Ashley** \*

**Uluk, Duru** \*

**Walsh, Ella Katherine** \*

**Wang, Anni** (Computing Option) \*†

**Wang, Tianshu** (Computing Option)

**Wei, Clare JingQi** (Management Sciences Option & Computing Option) \*†

**Wenzel, Logan**

**Wheeler, Emma Grace Elizabeth** (Computing Option) \*

**Wu, Winnie** \*

**Xie, Rui** (Computing Option) \*

**Yang, Emily Nicole** (Management Sciences Option) \*

**Yang, Ying** (Neural Engineering Specialization) \*

**Yu, Adam Jeremy Patrick Wei-Hong** \*

**Yu, Yue Yang** \*

**Zarezankova, Dana** (Medical Artificial Intelligence Specialization/Computing Option) \*

**Zhang, Eileen** (Computing Option) \*

**Zhang, Ziyang** (Medical Artificial Intelligence Specialization/Computing Option) \*

**Zhong, Erin Yue Kar** (Computing Option) \*

## CHEMICAL ENGINEERING

**Abayazeed, Mohamed**

**Abdulnour, Caleb Alexander** (Materials and Manufacturing Processes Specialization)

**Adatia, Sefra Jordan** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*

**Ahmed, Bassem**

\* – With Distinction

† – Dean's Honours List

- Ahmed, Samar** (Materials and Manufacturing Processes Specialization/Management Sciences Option)
- Al-Enzy, Rama** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*
- Altaf, Hiba**
- Amechi, Adanna Ogonne Deborah** (Chemical Process Modelling, Optimization and Control Specialization)
- Andres, Aliana Ricci Grimaldo** \*
- Argiropoulos, Alexander Nicholas** (Energy and Environmental Systems and Processes Specialization) \*
- Aroyan, Lucig** (Materials and Manufacturing Processes Specialization)
- Arrecis, Anna** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*
- Bajnathsingh, Shanese Vishana Hema** (Energy and Environmental Systems and Processes Specialization) \*†
- Bandurski, Patrick** (Management Sciences Option)
- Banwait, Manvir Singh** (Energy and Environmental Systems and Processes Specialization) \*
- Brunt, Connor Finn McCrea**
- Bui, Thinh Huu Quoc** (Materials and Manufacturing Processes Specialization)
- Byron, Anthonia Oluwaseun** (Entrepreneurship Option)
- Cao, Anqi** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*†
- Chan, Caitlin Nicole** (Materials and Manufacturing Processes Specialization) \*†
- Charlinski, Ryan Shao Huang** \*†
- Chen, Li Na** (Materials and Manufacturing Processes Specialization) \*†
- Chen, Yu An** \*
- Chim, Samantha Sing-Yue** (Energy and Environmental Systems and Processes Specialization)
- Chitapain, Luvish** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*
- Choi, Clara**
- Corallo, Christopher Alexandro Erminio**
- Crnobrnja, Teodor** (Energy and Environmental Systems and Processes Specialization)
- Damstra, Colin Henry** (Chemical Process Modelling, Optimization and Control Specialization) \*
- Darroch, Alexandra Danielle** (Materials and Manufacturing Processes Specialization) \*
- Dayal, Sutej Singh** (Computing Minor)
- De Leon Solis, Juan Francisco** (Chemical Process Modelling, Optimization and Control Specialization & Materials and Manufacturing Processes Specialization/Management Sciences Option) \*
- Duong, Julie** (Materials and Manufacturing Processes Specialization) \*
- Elghossain, Mohamed** (Chemical Process Modelling, Optimization and Control Specialization)
- Erdmann, Oliver Norbert** (Chemical Process Modelling, Optimization and Control Specialization) \*
- Ertl, Jocelyn Elizabeth** (Materials and Manufacturing Processes Specialization) \*
- Fan, Ricky** \*
- Fedorowich, Ernest Michael** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*
- Gondosiswanto, Evelyn** (Chemical Process Modelling, Optimization and Control Specialization) \*
- Guerra Gonzalez, Miguel Angel** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option)
- Hall, Curtis Anthony James** (Energy and Environmental Systems and Processes Specialization) \*
- Hayward, Matthew David** (Energy and Environmental Systems and Processes Specialization) \*
- Hong, Joshua** \*
- Hussien, Abdulrahman Bassem Muhammad Bendari** \*
- Jiménez Mendoza, David Alejandro** (Materials and Manufacturing Processes Specialization)
- Kenawy, Nour Eldin Ahmed Fouad** (Energy and Environmental Systems and Processes Specialization) \*
- Kwan, Kevin James** \*
- Kwok, ShingHei** \*
- Kwon, Benjamin Wookjin** (Materials and Manufacturing Processes Specialization) \*
- Lacson, Kyle Justin Pacoli** (Materials and Manufacturing Processes Specialization) \*
- Lee, Da Sol**
- Lee, Yeseo** (Materials and Manufacturing Processes Specialization) \*
- Leung, Vincent Ka-Hang** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*†
- Lin, Raymond Yu Heng**
- Lu, Sitong** (Materials and Manufacturing Processes Specialization) \*
- Mazzadi, Stefan** \*†
- McBride, Dana Grace** (Energy and Environmental Systems and Processes Specialization) \*†
- Mcgregor, Noah Alexander** \*
- Meng, Zi Qi** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*
- Metcalfe-Smith, Michael David** (Energy and Environmental Systems and Processes Specialization)
- Mo, Dannis** (Materials and Manufacturing Processes Specialization) \*
- Mohan, Christina** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*†
- Muralidharan, Ananya** (Energy and Environmental Systems and Processes Specialization) \*†
- Nair, Anand** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option & Statistics Option) \*†
- Nair, Tarun** \*
- Ni, Hankun** \*
- Ohaegbu, Chimdindu Charis Obiajulu** (Materials and Manufacturing Processes Specialization) \*
- Orrett, Michael Trevor** \*
- Ou, Nathan Gar-Lun** (Chemical Process Modelling, Optimization and Control Specialization) \*
- Pang, Hadwin KingSum** (Materials and Manufacturing Processes Specialization)
- Park, Sangwook** (Energy and Environmental Systems and Processes Specialization) \*

\* – With Distinction

† – Dean's Honours List

**Parwez, Waleed** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*†

**Pearson, Samuel Braden** (Chemical Process Modelling, Optimization and Control Specialization) \*

**Pérez López, Lorenzo** (Energy and Environmental Systems and Processes Specialization) \*

**Peters, Timothy Henry** \*

**Pinho, Matthew** (Materials and Manufacturing Processes Specialization) \*

**Pucci, Antonio Ivan** (Energy and Environmental Systems and Processes Specialization)

**Rastogi, Rythem** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option)

**Rawal, Anjali Devi** (Energy and Environmental Systems and Processes Specialization) \*†

**Rett, Jennifer Patricia Fatima** (Materials and Manufacturing Processes Specialization) \*

**Rhodes, Curtis Russell** \*†

**Roth, Taylor Leigh** (Chemical Process Modelling, Optimization and Control Specialization) \*

**Sarwar, Rayan** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*

**Shah, Prikanksha** (Materials and Manufacturing Processes Specialization) \*

**Sharif, Anjiya** \*

**Sharma, Pulkit** (Energy and Environmental Systems and Processes Specialization)

**Shin, Milang** (Energy and Environmental Systems and Processes Specialization) \*

**Silvester, Veronica Pearl** (Energy and Environmental Systems and Processes Specialization) \*†

**Smith, Wesley Anthony** (Materials and Manufacturing Processes Specialization) \*

**Srivastava, Nikita** (Materials and Manufacturing Processes Specialization)

**Su, Qi Rong** (Materials and Manufacturing Processes Specialization)

**Sun, Shuxiang** (Materials and Manufacturing Processes Specialization/Management Sciences Option)

**Syed, Makhdoomzada Anwar** (Energy and Environmental Systems and Processes Specialization – Computing Minor)

**Tam, Beatrice Morgan** (Chemical Process Modelling, Optimization and Control Specialization) \*†

**Tanzim, Farhan** (Chemical Process Modelling, Optimization and Control Specialization) \*

**Tong, Derry** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option)

**Vrolyk, Reid David** (Chemical Process Modelling, Optimization and Control Specialization) \*†

**Wan, Dorothy** \*

**Wang, Kaitlyn Fung Mei** (Materials and Manufacturing Processes Specialization/Management Sciences Option) \*

**Wirahadi, Dylan** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*†

**Wohlgemuth, Amy Darlene** (Management Sciences Option) \*

**Wong, Derek Chun Fai** \*

**Wong, Gordon** \*†

**Wright, Emily Siobhan** (Materials and Manufacturing Processes Specialization) \*

**Xi, Weiqi** (Materials and Manufacturing Processes Specialization/Management Sciences Option) \*

**Xiu, Zheyu** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*

**Yuan, Forrest Haosen** (Chemical Process Modelling, Optimization and Control Specialization)

**Zhang, Fan**

**Zhang, Yi Fan** (Materials and Manufacturing Processes Specialization)

**Zybine, Daniel** (Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*

## **NANOTECHNOLOGY ENGINEERING**

**Aramini, Oliver Merton** \*†

**Arar, Nadine Nabil** (Management Sciences Option)

**Bahnam, Sarah** \*†

**Bednar, Jan Christian**

**Boyer, Ève Patry** \*†

**Carpenter, Mark Braden** \*

**Castano Luna, Juan Diego**

**Castro Bravo, Karla Maria** (Computing Option) \*

**Chabok, Roxana** \*

**Chang, Douglas Chin Lok** \*

**Chin, Matthew Paul Wooi Enn** \*

**Chockalingam Shanmugam, Anish** \*

**Conti, Isabella Santina Ida** \*

**Corriveau, David Raymond** \*†

**Crawford, Ethan Alec** \*

**Creaghan, Alexander Tyden** \*

**Dass, Ajay Vashiv Dhanraj**

**De Torres, Mariah Angelica**

**Drekcic, Samuel James** \*

**Ehling, Adam Jeffrey Kilcoyne** \*

**Ellis, Ryan David Noble** \*

**Engelhardt, Helen Charlotte** (Physical Sciences Option) \*†

**Gjini, Dea** \*

**Goros, Eleftheria Antigony** \*

**Grant-Allen, Erin Haleigh** \*

**Holmes, Daniel Ryan** \*†

**Hu, Brendan Jeffrey** (Computing Option) \*

**Huang, Jing Neng** \*

**Hurst, Lydia Katherine** \*†

**Hussein, Rayyan Saleh**

**Ibrahim, Maria Raymon George Abdelmessih** (Life Sciences Option) \*

**Johnston, Caleb Wade** \*

**Kakkar, Mihir** \*

**Kim, Kyungho** \*

**Kushalkar, Mehal Pankaj** \*

**Lam, Rene** \*†

**Lee, Gaston Lok** \*

**Li, WeiXuan** \*

**Llanos Garcia, Nathaly Concepcion** (Computing Option) \*

**MacDougall, Braeden Alexander** \*†

**Matos, Alexandra Marilia** \*

**Mehta, Justin Ravi** \*

**Mendoza Cabrer, Hidekel**

**Menezes, Jace Harry**

**Miranda Sánchez, Andrés** (Management Sciences Option) \*

**Miu, Kenny Chun Man** \*

**Mondal, Mobarakuddin**

**Nambiar, Athulya Reghunath** \*

**Nguyen, Darius Quoc** \*

\* – With Distinction

† – Dean's Honours List

**Nguyen, Jason Minh \***  
**Oswald, Erin Louise \***  
**Pajak, Maciek Mariusz \***  
**Parra Panchi, Andrea Nicole**  
 (Computing Option)  
**Patel, Dhruv Atul**  
**Patel, Rhydham Chetan**  
**Pell, Meghan Autumn \***  
**Pérez Paredes, Andrei Felipe**  
 (Life Sciences Option & Computing  
 Option) \*  
**Periku, Brian \***  
**Pesse Roman, Andrea Victoria \***  
**Pfeifle, Nicholas Strangway**  
 (Physical Sciences Option)  
**Pinto, Joshua**  
**Prajapati, Hetvin Birenkumar**  
**Proud, Emma Karen \***  
**Rao, Kevin Alexander \***  
**Rezai, Ryan \***  
**Rho, Eun Woo \***  
**Rizzo, Sofia Stefania Mirella**  
**Roblero, Aldo Brian**  
**Sallam, Aliya Nicole \*†**  
**Scarfo, Matthew Gene \*†**  
**Schneider, Sarah Nicole \*†**  
**Shafi, Qindii \***  
**Shaikh, Zaky Abrar**  
**Shaikh-Deeb, Hamza Hani**  
**Shakim, Sarah Ashley \***  
**Sharda, Vidyansh \***  
**Shehadeh, Bassel (Computing**  
 Option)  
**Singh, Avitej**  
**Suleman, Naim (Computing Option) \***  
**Surani, Serena**  
**Syed, Mustafa \***  
**Thompson, Sara Li Zhi \***  
**Torres Ordonez, Nube Estefania**  
 (Biomechanics Option) \*  
**Umashanker, Vithurshan**  
**Virdy, Jaskiran \***  
**Wicentowich, Annabelle Radha \***  
**Wong, Alyna Kaye \***  
**Wong, Justin Xuilin \*†**  
**Wong, Maggie Man-Yan \*†**  
**Yan, Xinmei**  
**Zhang, Rachel \*†**  
**Zhao, Jaming**  
**Zinger, Thomas James**  
**Zou, Yunheng \*†**

**SYSTEMS DESIGN**  
**ENGINEERING**  
**Ahilan, Sayohn (Computing Option)**  
**Bowers, Aidan Thomas Daniel**  
 (Computer Engineering Option &  
 Entrepreneurship Option) \*  
**Burke, Keenan Benjamin**  
**Catenacci, Landon \***  
**Chan, Abigail Kaitlin \***  
**Chan, Gabrielle Yin Ching \***  
**Chang, Brandon Lok-Hay**  
 (Computing Option)  
**Chen, Sophia (Cognitive Science**  
 Minor)  
**Cheng, Hanlin (Computing Option) \***  
**Collins, Matthew Jordan**  
**Cureton, Cormac Watts (Computing**  
 Option) \*  
**Dugal, Christopher Nicholas**  
 (Computing Option) \*†  
**Dyck, Aaron James Grove**  
 (Computing Option) \*  
**Gajaria, Yash Rajesh (Computing**  
 Option) \*  
**Gamage, Chamod (Computing**  
 Option) \*†  
**Grovu, Andrei Nicholas**  
**Gruhl, Alexander Peter**  
**Han, Leon**  
**He, Joy Jiarui \***  
**Hicks, Tracy Xiating**  
**Hong, Ada (English Language and**  
 Literature Minor) \*  
**Hopkins, Dylan Kane**  
**Hsiao, Jayden Tyler (Computing**  
 Option) \*†  
**Huang, Wei (Computing Option)**  
**Hui, Ryan Spencer \***  
**Hyman, Ron (Computing Option) \***  
**Jankechová, Nela (Biology Minor) \***  
**Jiang, Aaron (Computing Option) \*†**  
**Jiwani, Azim \***  
**Kalavadia, Krishna (Computing**  
 Option) \*  
**Kee, Matthew Danville (Computing**  
 Option) \*  
**Kennedy, Sarah Margaret \*†**  
**Khan, Moiz (Computing Option)**  
**Khanna, Lakshya \***  
**Kim, Seoyoon \***  
**Ko, Mike (Computing Option)**  
**Kwak, Taejun \*†**  
**Laniyi, Rock (Computing Option)**

**Lee, Min Kyu (Management Sciences**  
 Option) \*†  
**Lees, Keaton Lau Wei (Computing**  
 Option)  
**Leung, Kate Elizabeth**  
**Lodewyk, Josiah Robert**  
 (Mechatronics Option & Computing  
 Option) \*  
**Louie, Emily Sum-Yee (Computing**  
 Option) \*  
**Ma, Andrew Yifan \*†**  
**Macintosh, Sarah Margarete**  
 (Computing Option) \*  
**Matsui, Martha Elizabeth**  
**Mehta, Jayant (Management**  
 Sciences Option)  
**Moro, Ashvin Jaydeep \***  
**Naufal, Shaahana Mariyam**  
**Ng, Kelly**  
**Nguyen, Julie Quynh (Computing**  
 Option) \*  
**Orizabal, Samantha Victoria**  
 (Computing Option)  
**Orucevic, Ayla \*†**  
**Patel, Archan (Computing Option)**  
**Pham, Lam (Computing Option)**  
**Ravigulan, Mathurah (Computing**  
 Option)  
**Raymond, Daniel Michael Keenan**  
 (Computing Option) \*  
**Reeves, Claire Annie \***  
**Reeves, Emily Jean**  
**Rennick, Joëlle Anna Erin**  
**Roach, Kyle Alexander**  
**Sarvanandan, Anya \***  
**Schaper, Gregory Drew Piwkowski \***  
**Sheikh, Umar-Farooq Shahid**  
**Shiozaki, Kristen Emiko (Computing**  
 Option – Cognitive Science Minor)  
**Sim, Julia (Computing Option) \*†**  
**Tao, Yulei (Computing Option) \***  
**Tieu, Chan Long (Computing Option)**  
**Truong, Krystal (Computing Option) \*†**  
**Turner, Julia (Software Engineering**  
 Option) \*  
**Umenwofor-Nweze, Chidinma**  
**Njideka \***  
**Unnithan, Suyash Uttam (Computing**  
 Option)  
**Valenti, Adam James Haas**  
 (Computing Option)  
**Vimalendran, Rishikesh (Computing**  
 Option) \*  
**Voigt, Emily Roisin \***

\* – With Distinction

† – Dean's Honours List

Wai, Emma Ka-Ling (Computing Option) \*†  
 Walenius, Silja Clare \*  
 Wang, Emily (Computing Option) \*  
 Wang, Juhao  
 Wang, Pamela Yuqing (Computing Option) \*  
 Waterston, Abigail Simon (Computing Option – English Language and Literature Minor) \*†  
 Weber, Lukas \*†  
 Wigg, Alison Grace  
 Woodcock, Julia Elizabeth \*  
 Wormald, Jessica (Computing Option) \*  
 Yam, Bryan \*  
 Yang, Ashley  
 Zhang, Xiao Peng (Computing Option) \*

---

## BACHELOR OF SOFTWARE ENGINEERING

### HONOURS CO-OPERATIVE PROGRAM

Abba, Yameen \*†  
 Aboulnaga, Ibraheem Ashraf \*†  
 Abraham, Aaron Varughese (Statistics Minor) \*†  
 Anderson, Kyle Reid (Artificial Intelligence Specialization) \*†  
 Arora, Yash \*†  
 Bhatia, Asim Imtiaz  
 Boonsiri, Boon  
 Byers, Connor Adam \*†  
 Chan, Russell Ji-Feng \*  
 Chang, Anthony Michael \*†  
 Chen, Frank \*†  
 Cheng, Joshua \*  
 Chowdhury, Md. Abdul Kader \*  
 Craig, Robert Paul \*†  
 Dalmia, Armanya Vikram \*  
 Dancy, Ryan James \*†  
 Dani, Yash Asitkumar \*  
 Davies, Patrick Thomas Conlon  
 Davison, Taya Mckenzie \*†  
 Deng, Yuhuan \*  
 Ding, Oustan Ziyi \*†  
 Dong, Andrew \*†  
 Douglas, John Fitzgerald \*†  
 Ehrlich, Ryan Saul (Honours & Joint Honours Combinatorics and Optimization) \*†

Florea, Laura Maria \*†  
 George, Neha \*†  
 Ghimire, Aparajita \*  
 Guo, Andrew Yankun \*†  
 Gupta, Maahir \*  
 Harris, Will Alexander \*†  
 Hu, Yang \*†  
 Jeevarajah, Vaenthan \*  
 Jiang, Yu Jie \*†  
 Ke, Jun \*†  
 Klassen, Luke Daniel \*†  
 La, Richard Manh Kiet (Artificial Intelligence Specialization) \*†  
 Lan, Sunny \*†  
 Li, Kevin \*  
 Liu, Marco Kwan Ho \*†  
 Liu, Zuoqiu (Computational Mathematics Minor) \*†  
 Lui, Jessica Maria \*†  
 Luo, Harris \*†  
 Luo, Royi \*†  
 Ma, Alexander Yuan  
 Ma, Willard Xuanyi \*†  
 MacPhail, Cole Michael \*†  
 Makharinets, Nicholas Valentin \*†  
 Mao, Ricky Renfeng  
 Meleka, Jacob Basim \*†  
 Miranda, Andrea Anne  
 Misasi, Olivia Rizzardì \*†  
 Mithani, Aly Muhammad \*  
 Momin, Faiz Rafikali  
 Moore, Braydn Kenneth \*†  
 Naidappuwa Waduge, Dulhan Hansaja (Artificial Intelligence Option) \*†  
 Orend, Samuel Nicholas \*†  
 Ouyang, Zhengmao \*†  
 Patel, Aryan Vimalkumar \*†  
 Pu, Michael Yuzhao \*†  
 Qin, William Liyang (Artificial Intelligence Option) \*†  
 Qu, Jerry JinJia \*  
 Quan, Kieran Jun  
 Rahman, Muntaqim Irtiza \*  
 Ratana-Rueangsri, Janakitti \*†  
 Roshankar, Amir \*†  
 Shah, Het \*†  
 Shen, Carl (Artificial Intelligence Specialization) \*†  
 Singh, Aariana \*  
 Snelgrove, Dylan William \*†

Song, Elliott Thomas  
 Song, Xin Yi \*†  
 Sun, Richard Yiran  
 Szczeszynski, Peter Christopher \*†  
 Thorpe, Timothy Robert \*†  
 Van De Wiele, Alexander Victor George \*†  
 Wang, Anhai \*†  
 Wang, Anthony \*†  
 Williams, Eli Edward Paul \*  
 Wong, Yui Yu \*†  
 Wu, Danny \*  
 Yan, Jason Zheyi \*  
 Yang, Kevin \*†  
 Yang, Ray \*†  
 Yang, Ri Xin (Human-Computer Interaction Specialization) \*†  
 Yee, Alexander Shum-Wai \*†  
 You, Lizhuo \*  
 Yu, Molly (Human-Computer Interaction Specialization) \*†  
 Yu, Shiyuan \*†  
 Yu, Wendi \*†  
 Zhang, Hanyu (Artificial Intelligence Option) †  
 Zhang, Kevin \*†  
 Zhao, Siyuan \*†  
 Zhou, Raymond Lei (Combinatorics and Optimization Minor) \*†  
 Zhou, Yi Wei \*†  
 Zhu, Bolin \*†  
 Zhu, Hannah (Artificial Intelligence Specialization & Human-Computer Interaction Specialization) \*†

---

## DIPLOMA IN SUSTAINABILITY

Woodcock, Julia Elizabeth

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## CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

Chabok, Roxana  
 Engelhardt, Helen Charlotte  
 Huang, Chen Xi  
 Li, WeiXuan  
 O'Hara, Finnegan Frederick  
 Parra Panchi, Andrea Nicole  
 Pesse Roman, Andrea Victoria  
 Shafi, Qindii  
 Wei, Clare JingQi  
 Yu, Adam Jeremy Patrick Wei-Hong

\* – With Distinction  
 † – Dean's Honours List



**SATURDAY**

# **EVENING CEREMONY**

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

# Graduate Degrees

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## DOCTOR OF PHILOSOPHY

**Alattas, Hanan Saleh** (Management Sciences)  
“Open-Ended Problem Solving in Groups”

**Al-Sabbag, Zaid Abbas** (Civil Engineering)  
“Enabling Human-Machine Collaborative Inspections Through Smart Infrastructure Metaverse”

**Barkhori Mehni, Mohammad Michael** (Civil Engineering)  
“A Methodology for Design and Adaptation of Infrastructure Under Deep Climate Uncertainty”

**Khaki, Milad** (Civil Engineering)  
“Natural Language Processing using Deep Learning for Classifying Water Infrastructure Procurement Records and Calculating Unit Costs”

**Lee, Mina** (Civil Engineering)  
“Reliability-Based Environmental Impact Assessment in Geotechnical Engineering”

**Marrocco, Andrea Lucienne** (Civil Engineering - Water)  
“Towards a Better Understanding of Activated Carbon-Based Amendments for In Situ Treatment of Petroleum Hydrocarbons in Anaerobic Groundwater Systems”

**Mollaie, Aida** (Civil Engineering)  
“Valuation of In-Situ Building Materials for Resource Recovery”

**Montakhab, Fatemeh** (Civil Engineering - Water)  
“Flow and Sediment Routing in Urban Channels with Flashy Hydrographs”

**Pandey, Upasana** (Civil Engineering)  
“Performance of Soil Borehole Thermal Energy Storage System under Different Natural and Engineered Subsurface Conditions”

**Shen, Hongren** (Civil Engineering - Water)  
“Rethinking the Split-Sample Approach in Hydrological Model Calibration”

**Wang, Danrong** (Civil Engineering)  
“Study of Performance of Geosynthetic-Reinforced Pavements by Full-Scale Field Study, Laboratory Testing, and Numerical Modelling”

**Wu, Zhenggao** (Management Sciences)  
“The Impacts of Climate Change via Robust Optimization: Two Applications in Land Investment and Electricity Storage Systems”

---

## MASTER OF APPLIED SCIENCE

**Ceric, Matea** (Civil Engineering)

**Che, Carmen** (Civil Engineering)

**Ebrahimkhani, Sara** (Management Sciences)

**Eskandar, Sara** (Civil Engineering)

**Ghaleh, Amirpirooz** (Civil Engineering)

**Gonzalez Goetz, Miguel** (Civil Engineering)

**Iun, Megan Rachel** (Civil Engineering - Water)

**Jefferies, Caleb** (Civil Engineering - Water)

**Khatirikomroodi, Hossein** (Management Sciences)

**Kucuksari, Zeynep** (Management Sciences)

**McGregor, Lauren Jane** (Civil Engineering - Water)

**Moradi, Parham** (Management Sciences)

**Mueller, Lukas Max** (Civil Engineering - Water)

**Nicholson, Jeremy Allan** (Management Sciences)

**Wang, Yubo** (Civil Engineering)

**Zhang, Tianshu** (Civil Engineering)

**Zore, Ujwal Kishor** (Civil Engineering - Water)

---

## MASTER OF ARCHITECTURE

**Al-Rashid, Afnan** (Co-operative Program)

**Babcock, Reese**

**Bi, Kailin**

**Bulos, Monica** (Co-operative Program)

**Burse, Liam Jeffrey**

**Chang, Tzu-Yen** (Co-operative Program)

**Daniyal, Khana** (Co-operative Program)

**Deng, Xin Chun**

**Dingman, Leah Emma** (Co-operative Program)

**Dlugosz, Matthew Daniel**

**Elasmar, Tracey**

**Grabke, Danielle Victoria**

**Hutchinson, Adrian Allexander** (Water)

**Islam, Rifat Ara** (Co-operative Program)

**Johnson, Jeremy Alexander**

**Merchant, Alefiyah Murtuza** (Co-operative Program)

**Mittal, Deepakshi Vivek** (Co-operative Program)

**Mohammed - Khaja, Ali** (Co-operative Program)

**Mukerjea, Shiuli**

**Murray, Taylor Kaitlyn** (Co-operative Program)

**Rajabzadeh, Sepideh**

**Tawfik, Yara Hany Mounir Zaki** (Co-operative Program)

**Yeoh, Elizabeth Hwei Ming**

**Yuan, Run Di** (Co-operative Program)

---

## MASTER OF ENGINEERING

**Al-Ameri, Safanah Ahmed Mohammed** (Civil Engineering)

**Alfa, Joshua Ugbedeajo** (Civil Engineering)

**Al-Hadeethi, Raouf** (Civil Engineering)

**Basic, Hasan** (Civil Engineering)

**Carthy, Jordan William** (Civil Engineering)

**Danilenko, Ilya** (Civil Engineering)

**Gilles, Adrian Michael** (Civil Engineering)

**Kong, Sherman Shing-hin** (Civil Engineering)

**Lamont, Kristine Marie** (Civil Engineering)

**Lopoke, Jagmehak Kaur** (Civil Engineering)

**Patel, Kevin Bhupendrabhai** (Civil Engineering)

**Rathod, Abhirajsingh Rajendrasingh** (Civil Engineering)

**Shah, Prerna Devankumar** (Civil Engineering)

**Vandenberg, Celine Marie** (Civil Engineering)

**Yam, Siu Man** (Civil Engineering)

**Yousafzai, Talha Tariq** (Civil Engineering)

**Zhang, Bixiao** (Civil Engineering)

**Zhou, Zichun** (Civil Engineering)

**Zhu, Yancong** (Civil Engineering)

---

## MASTER OF MANAGEMENT SCIENCES

**Akhibi, Fitzgerald Hope**

**Al Dahdouh, Khaled**

**Arushi** (Co-operative Program)

**Bahrami, Sina** (Co-operative Program)

**Balasubramanian, Nivetha**  
(Co-operative Program)

**Bhargava, Riddhi** (Co-operative Program)

**Chandon, Shahriar**

**Chen, Hao**

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

**Cheng, Zhanghang** (Co-operative Program)

**Chowdhary, Harsh Vardhan**  
(Co-operative Program)

**Daou, Maria**

**Deshpande, Ameya Uday**

**Dhar, Vibhush V** (Co-operative Program)

**Ding, Jiacheng** (Co-operative Program)

**Ge, Yao** (Co-operative Program)

**Godhrawala, Taher Asgarbhai**  
(Co-operative Program)

**Gogia, Amandeep**

**Goyal, Akanksha** (Co-operative Program)

**Ji, George** (Co-operative Program)

**Jillani, Khuzaima** (Co-operative Program)

**Jindal, Vivek** (Co-operative Program)

**Kamra, Gautam** (Co-operative Program)

**Kandil, Sara**

**Kashani, Seyed Ali**

**Kaur, Harshdeep** (Co-operative Program)

**Keyal, Hriday Krishna** (Co-operative Program)

**Khan, Musab Ahamed** (Co-operative Program)

**Kijiswanpaisarn, Pakawat**  
(Co-operative Program)

**Kishnani, Yash** (Co-operative Program)

**Kooner, Simranjit**

**Kumar, Siddharth**

**Leung, Jasper Wing Chun**

**Li, Shijun**

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

**Li, Yaqi**

**Lim, Qi Xuan**

**Lu, Zhanqiao**

**Macdonald, Whitney Ward**

**Mehta, Khushi Manish**

**Mirani, Ghazala Sahil** (Co-operative Program)

**Mo, Siyi**

**Modi, Maharshi Munjal**  
(Co-operative Program)

**Muralidharan, Kavya** (Co-operative Program)

**Muralidharan, Vignesh**

**Nakhuda, Rawaha** (Co-operative Program)

**Odile, Uwagbale Samuel**

**Pannu, Suryansh Singh**  
(Co-operative Program)

**Patel, Neel Datteshkumar**  
(Co-operative Program)

**Qadeer, Saad Arif** (Co-operative Program)

**Qiu, Sitong** (Co-operative Program)

**Rahmani, Midya Milad**

**Rajendran, Aneesh Aravind**  
(Co-operative Program)

**Seethalakshmi Madhanan, Abishek**  
(Co-operative Program)

**Shah, Devanshi**

**Sheel, Kunal**

**Shokeen, Yayaakshi** (Co-operative Program)

**Solouki, Setareh** (Co-operative Program)

**Tang, Yueyang** (Co-operative Program)

**Tong, Wai Kit Gary**

**Tranquilla, Sarah Lynn**

**Tuk, William Bernardus Ronald**  
(Co-operative Program)

**Verma, Divyanshu** (Co-operative Program)

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

**Xiao, Zihan** (Co-operative Program)

**Yu, Fei**

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

**Zhao, Hanxing** (Co-operative Program)

**Zheng, Xiancheng**

---

## GRADUATE DIPLOMA

**Budd, Kirsten** (Business and Entrepreneurship)

**Li, Yaqi** (Data Analytics)

**Zheng, Xiancheng** (Data Analytics)

# Undergraduate Degrees

## BACHELOR OF APPLIED SCIENCE

### ARCHITECTURAL ENGINEERING

**Bansal, Naman** (Building Systems Specialization)

**Bergstrom, Majken Jean** (Building Structures Specialization) \*†

**Chalán Jumbo, Angel Damián** (Building Structures Specialization & Building Systems Specialization)

**Cheng, Brittany** \*†

**Davison, Liam Thomas** (Building Structures Specialization)

**Dua, Mridula** (Building Structures Specialization & Building Systems Specialization) \*

**Dyson, Shaelynn Megan** (Building Systems Specialization)

**Enaya, Ala'a Ahmad** (Building Structures Specialization) \*

**Fierro Orellana, Javier Sebastian** (Building Structures Specialization/Management Sciences Option) \*†

**Forrest, Taylor Gail** (Building Systems Specialization) \*

**Foster, Christian** (Building Structures Specialization) \*

**Gao, Hannah** (Building Systems Specialization)

**Gao, Yuan Shirley** (Building Systems Specialization)

**Ge, Michael Xiaozhou** (Building Systems Specialization)

**Haas, Greta Marie** (Building Systems Specialization) \*

**Hart, Erin Simone** (Building Structures Specialization) \*

**Hellinga, Jonathan Bruce** (Building Structures Specialization) \*

**Holden, Holly** (Building Structures Specialization) \*

**Hong, Frank Pak Chung** (Building Structures Specialization & Building Systems Specialization) \*

**Irwin, Murdoch Thompson** (Building Structures Specialization)

**Jean, Julia Sojeong** \*†

**Jensen, Victoria Ann** \*

**Jeyakumar, Jerome Krishna** (Building Systems Specialization)

**Jiang, Joseph Hua** (Building Systems Specialization) \*

**JIANG, YITING** (Building Systems Specialization) \*†

**Juraschka, Ashley Victoria** (Building Structures Specialization & Building Systems Specialization – Entrepreneurship Minor) \*

**Karunakumar, Preethy** (Building Systems Specialization)

**Kerry, Samantha Mary-Katherine** (Building Systems Specialization) \*

**Khan, Asjad Mahbub**

**Klassen, Luke Nathaniel** (Building Systems Specialization)

**Koay, Rie Yang Xue** (Building Structures Specialization)

**Lerch, Annamarie Elisabeth** (Building Systems Specialization) \*

**Li, Jeffery** (Building Structures Specialization & Building Systems Specialization) \*†

**Low, Bethany** (Building Structures Specialization) \*

**Ma, Ashley Jessica** (Building Systems Specialization)

**Ma, Hayden Ho Lun** (Building Systems Specialization)

**McAdams, Ryan Tiernan** (Building Structures Specialization & Building Systems Specialization)

**McGuire, Ruth Gadelrab** (Building Systems Specialization)

**Metwali, Nadine Medhat** (Building Structures Specialization) \*

**Mir, Yasaman** (Building Structures Specialization & Building Systems Specialization)

**Moroz, Aidan** (Building Systems Specialization)

**Nafte, Joan Ava** (Building Systems Specialization) \*

**Nguyen, Dominic Chinh** (Building Systems Specialization) \*†

**Norkus, Anthony Vytautas** (Building Structures Specialization)

**Ozkan, Lale** (Building Systems Specialization)

**Pasalkar, Vaishnavi Naresh** (Building Systems Specialization) \*

**Quong, Justin Yeul Ming** \*†

**Raza, Wajiha** (Building Systems Specialization) \*

**Robin, Nimisha Ann** (Building Systems Specialization) \*

**Rode, Adam Nicholas** (Building Systems Specialization)

**Rywak, Joanna** (Building Systems Specialization/Environmental Engineering Option) \*†

**Sen Smet, Talina** (Building Systems Specialization) \*

**Seo, Shinyoung** (Building Structures Specialization & Building Systems Specialization) \*

**Shin, Eunice**

**Shrestha, Samriddhi** (Building Structures Specialization & Building Systems Specialization)

**Singh, Gina Shivani** (Building Systems Specialization)

**Sloan, Alena Allison** (Building Structures Specialization)

**Snabian, Ralph** \*

**Song, Mathew** (Building Systems Specialization) \*

**Steiner, Kallen Jeffrey** (Building Structures Specialization & Building Systems Specialization)

**Sterner, Nicholas Dillen** (Building Systems Specialization) \*†

**Sydoruk, Sonya Kalyna** \*

**Szymanski, Vanessa** (Building Systems Specialization) \*

**Varley, Bridget Hannah** (Building Systems Specialization)

**Vitols, Christopher John** (Building Systems Specialization) \*†

**Williams, Ryan Christopher** (Building Systems Specialization) \*

**Wright, Anisa Kezia** (Building Systems Specialization)

**Xu, Andy** (Building Systems Specialization)

**Yu, Zheng** (Building Systems Specialization) \*†

**Zhang, Sarena Lily** \*

**Zhuang, Ying Jia** (Building Structures Specialization) \*†

\* – With Distinction

† – Dean's Honours List

## CIVIL ENGINEERING

**Abouelhassan, Mahmoud Gamal** (Geotechnical Specialization & Structural Specialization) \*

**Ackerman, Paige Noelle** (Structural Specialization)

**Ahmed, Hammad** (Structural Specialization) \*

**Aidarus, Aidarus Osman Ali** (Management Sciences Option)

**Ali, Muhammad Salman**

**Alkhatib, Zaid Mohammed** (Transportation Specialization)

**Al-saeed, Ahmed Oday Ibrahim** (Management Sciences Option) \*

**Al-Saeed, Ali Qussay Ibrahim** (Management Sciences Option) \*†

**Babulal, Wesley Jordan** \*

**Betts, Zachary Cole** (Water Resources Specialization) \*

**Bokil, Anang** (Structural Specialization) \*

**Cai, Yueming** (Geotechnical Specialization & Transportation Specialization) \*

**Chamas, Zachariah Ibrahim Mouhammed Herman**

**Cheng, Frank** (Structural Specialization/Management Sciences Option) \*

**Cho, Won Jun** (Structural Specialization) \*

**Choi, Eunice** (Structural Specialization)

**Chu, Qianye**

**Cobean, Andrew Stephen Edwin** \*†

**Convertini, Michael** \*

**Davey, Jackson Spencer** (Structural Specialization) \*†

**Deng, Quanxiang** (Structural Specialization) \*

**Dong, He Fei** (Structural Specialization/Computing Option) \*

**Dosanjh, Gaurav Singh** (Structural Specialization)

**El Refai, Aly** (Structural Specialization/Management Sciences Option) \*

**Fraser, Aaron Creighton** (Geotechnical Specialization & Structural Specialization) \*

**Fu, Yu** (Geotechnical Specialization & Structural Specialization) \*

**Ghasemi, Kian** (Structural Specialization)

**Hayter, Noah Samuel** (Structural Specialization) \*

**Henstock, Daniel Thomas** (Structural Specialization) \*†

**Hughes, Henry Stephen** \*†

**Jamtorki, Ardeshir** (Structural Specialization)

**Jeevahan, Harshini** \*†

**Jeyakanthan, Saranya** (Structural Specialization) \*

**Jiang, XiangYu** (Transportation Specialization) \*

**Jimenez, Raphael Don Maceren** (Structural Specialization)

**Johal, Jeevan Singh** (Structural Specialization)

**Kaba, Raian** \*

**Kainth, Jaskaran Singh** (Structural Specialization)

**Kankwal, Mannatpal Singh** (Structural Specialization) \*

**Kim, Jeffrey PK** (Transportation Specialization)

**Krusky, Ethan Joseph** (Structural Specialization) \*

**Kwon, Ohyeok** (Structural Specialization)

**Lam, Hao Thi** (Structural Specialization & Transportation Specialization)

**Lee, Chanhyeok** (Water Resources Specialization) \*

**Lee, Eli Joonsoo** \*

**Lee, Isabel Yoonjae** (Transportation Specialization) \*

**Lee, Nathan Ronald** \*

**Lee, Stanley** (Structural Specialization) \*†

**Leung, Nathan Tso Heng** (Structural Specialization) \*

**Li, Vince** (Transportation Specialization)

**Li, Ying Hui** (Structural Specialization)

**Lock, Jovelle Anthony** (Structural Specialization)

**Maningding, Jayson Rex Ferrer** (Structural Specialization)

**Martin, Christian Henri** (Geotechnical Specialization) \*

**McCracken, Connor Aiden** (Structural Specialization)

**McInnis, Cameron Riley** (Geotechnical Specialization & Structural Specialization) \*

**Memon, Harib Saleem** (Structural Specialization)

**Mendez, Joia Alia** \*

**Ndoi, Gjergj** (Geotechnical Specialization & Structural Specialization) \*

**Ng, Adrian Tsz Lok** (Structural Specialization) \*

**Ni, Kailong** (Transportation Specialization) \*

**Numan, Taylor Rose** \*

**Oh, Hyoju** (Transportation Specialization) \*

**Oyet, Ubelejit Jesse** (Geotechnical Specialization & Structural Specialization)

**Palapuz, Charlene Grace Maralit** (Geotechnical Specialization)

**Patel, Jay S.** (Structural Specialization) \*

**Provenzano, Michael Marco** (Geotechnical Specialization & Structural Specialization) \*

**Qazi, Hamad-Ur-Rehman**

**Ramos, Cyden Bian Sebastian** (Geotechnical Specialization)

**Ricciuti, Marc Pascal** (Transportation Specialization) \*†

**Ro, Daniel Hee-Rae**

**Rosenblum, Adam Chaim** (Transportation Specialization) \*

**Salama, Jade Samhar** (Structural Specialization/Management Sciences Option)

**Salama, Yussif** (Management Sciences Option) \*

**Sampson, Adrian Matthew** (Structural Specialization) \*†

**Sandhu, Adesh** (Structural Specialization) \*

**Sandhu, Tehnaad Kaur** (Structural Specialization)

**Saporito, Joshua Togo** (Structural Specialization)

**Scott, Lucas Maxwell Wen** \*

**Sebastian, Jose Kulamkuthyil** (Transportation Specialization/Management Sciences Option) \*

**Seh Abomo, Naomie Cecyl** (Structural Specialization)

**Serra, Evan Keen** (Transportation Specialization & Water Resources Specialization) \*

**Shek, Sebastian** (Transportation Specialization)

**Situ, Nancy** (Geotechnical Specialization & Transportation Specialization) \*†

**Song, Yutong** (Structural Specialization) \*†

\* – With Distinction

† – Dean's Honours List

**Srikanthan, Chamena \***  
**Tan, Michael Richard**  
**Tjie, Evan** (Structural Specialization) \*  
**Tran, Jeremy** (Water Resources Specialization)  
**Tunio, Tayaba** (Structural Specialization) \*  
**Ulaganathan, Vashinee** (Structural Specialization & Transportation Specialization)  
**Valcic, Anthony Marko** (Structural Specialization) \*  
**Veals, Marcus** (Structural Specialization) \*†  
**Wang, Margaret** (Water Resources Option – Chemistry Minor) \*†  
**Wei, Nora Jing \***  
**Wiebe, Eric Ranney**  
**Wong, Abigail Elizabeth** (Structural Specialization) \*  
**Wong, Cassidy Sum Yin** (Transportation Specialization) \*†  
**Wong, Vincent Thao** (Structural Specialization/Computing Option)  
**Wu, Jingnan** (Structural Specialization)  
**Xu, Jiatong** (Geotechnical Specialization & Structural Specialization) \*  
**Yang, Edward** (Transportation Specialization) \*  
**Ying, Thomas Ching Hon** (Structural Specialization) \*†  
**Ykema-King, Serina Yu-Xin** (Water Resources Specialization) \*  
**Zaw, Khin Htet Htet** (Structural Specialization & Transportation Specialization) \*  
**Zhang, Kaiyan Bryan**  
**Zhao, Garnet Zhou Yanning** (Structural Specialization) \*†

## ENVIRONMENTAL ENGINEERING

**Akhmadiyeva, Botazhan**  
**Alcobendas, Matthew** (Hydrology Specialization & Pollution Treatment and Control Specialization)  
**Beckers, Yasemin** (Entrepreneurship Minor)  
**Buis, Sydney Patricia \***  
**Butt, Hadiqa Saleem**  
**Cass, Antonia Sophia Wright \***  
**Chai, Xiangyi** (Hydrology Specialization) \*†  
**Chhabra, Vedanjali \*†**

**Chierighini, Mariana** (Pollution Treatment and Control Specialization/Management Sciences Option)  
**Chow, Rachel** (Pollution Treatment and Control Specialization) \*  
**Coats, Jessica Mackenzie** (Pollution Treatment and Control Specialization) \*†  
**Das, Savita** (Computing Option) \*  
**Devenny, Kathleen Karen Jean \***  
**Eastwood, Cathryn Claire**  
**Ghosh, Kasturi \***  
**Giroux, Jacques William** (Hydrology Specialization) \*  
**Gopaul, Samuel Timothy Krishna** (Energy Specialization) \*  
**Hallen, Frances Johnnie** (Energy Specialization) \*†  
**Hamilton, Eden Samantha Grace** (Pollution Treatment and Control Specialization) \*  
**Hampson, Kennedy Eileen** (Hydrology Specialization) \*  
**Hendrie, Devon Robert** (Pollution Treatment and Control Specialization) \*  
**Huynh, Jessie** (Hydrology Specialization) \*  
**Jean-Louis, Isaac Martin** (Pollution Treatment and Control Specialization)  
**Jenkinson, Jordan Michael Ryan** (Hydrology Specialization) \*  
**Laporte, Megan Michelle**  
**Linscott, Katherine** (Hydrology Specialization) \*†  
**Lockstein, Anna Eileen** (Hydrology Specialization & Pollution Treatment and Control Specialization) \*  
**Lok, Ethan** (Hydrology Specialization) \*  
**Macali, Noura Laika** (Hydrology Specialization)  
**Makarenko, Anna** (Pollution Treatment and Control Specialization) \*  
**Mende, Colin Itsuki**  
**Munro, Kiridan William Thomas** (Pollution Treatment and Control Specialization) \*  
**Olazo, Kristen Marie** (Energy Specialization)  
**Ouellet, Taleya Sabrina** (Pollution Treatment and Control Specialization)  
**Pal, Suraj**

**Pilla, Mitziana Adelia \***  
**Shah, Shachi Pragneshkumar** (Pollution Treatment and Control Specialization/Management Sciences Option) \*  
**Sidhu, Harvir** (Pollution Treatment and Control Specialization) \*  
**Sinopoli, Taydon Spencer** (Hydrology Specialization & Pollution Treatment and Control Specialization) \*†  
**St. John - Parker, Jesse Ronald** (Hydrology Specialization) \*  
**Strahle, Colin** (Pollution Treatment and Control Specialization/Management Sciences Option) \*  
**Tahmid, Ahnaf** (Hydrology Specialization)  
**Tang, Bohao** (Hydrology Specialization) \*  
**van der Heide, Anna Elizabeth \*†**  
**Vidovic, Eddie** (Pollution Treatment and Control Specialization)  
**Wilson, Jaida Noelle \***  
**Yang, Chia-Ruey**  
**Zheng, Emily Wenting** (Hydrology Specialization & Pollution Treatment and Control Specialization) \*†

## GEOLOGICAL ENGINEERING

**Angheluta, Bianca Christina** (Soil, Rock and Structures Specialization) \*†  
**Dos Santos, Leah Marie \***  
**Flood, Matthew Nicholas \***  
**Ham, Zachary Richard** (Hydrogeology Specialization)  
**Joshi, Malav Jigneshbhai** (Hydrogeology Specialization)  
**Minshull, Scarlett Maeve \*†**  
**Nigussie, Hanna \***  
**Okonkwo, Odera Margretta \***  
**Owens, Jeffrey Daniel \***  
**Sharma, Vedant \***  
**Vlaski, Djordje** (Hydrogeology Specialization)

## MANAGEMENT ENGINEERING

**Alhatabeh, Fares** (Entrepreneurship Minor)  
**Andoorveedu, Meenakshi** (Computing Option) \*†  
**Arbab, Rashad Mohammad** (Computing Option)  
**Arora, Manchind Singh** (Computing Option) \*

\* – With Distinction

† – Dean's Honours List

**Atwal, Bhavraj Singh** (Computing Option) \*†

**Baksh, Kareemah Zaynah** (Computing Option) \*

**Barber, Stuart Andrew** \*

**Bhatt, Vikram Sachin** (Computing Option)

**Brash, Kayley Hinton** \*

**Capuano, Michael** \*

**Cerejo, Adrian** (Computing Option) \*

**Chan, Christian** (Computing Option) \*

**Cheer, Evan Simon**

**Cheong, Sonnelly Inez** (Computing Option) \*

**Chiu, Carina Tsz Ching** (Computing Option) \*

**Chowdury, Johayer Rahman** (Computing Option)

**Chua, Zhi Sheng** (Computing Option) \*

**Chun, Sarah Theresa** (Computing Option) \*

**Clermont, Michael Agapit Tait**

**Cotterill, Sunil Oberai** (Computing Option) \*†

**Davis, Hana Khadeejah** (Computing Option) \*

**De Fazio, Claudia Carmela Joan** (Computing Option) \*†

**Depencier, Matthew Thomas** \*

**Dhillon, Simran Kaur** (Computing Option) \*

**D’Silva, Kaitlin Elizabeth** \*

**D’Souza, Nicole Amanda**

**Duman, Anday** (Computing Option) \*

**Dutta, Kanishk** (Computing Option)

**Enns, Thomas Pierre Alexandre** (Computing Option) \*

**Fakir, Abraham** (Computing Option)

**Fogerty, Julia Claire** (Computing Option) \*†

**Francis, Michael George**

**Gapczynski, Anika** \*†

**Hall, Sage Ellen Midas Ann** \*

**Hamzeh, Salam Naeem** (Computing Option)

**Hari, Dhruv**

**Hariharan, Prithika** (Computing Option) \*

**Huang, Chloe** (Computing Option) \*

**Ismail, Ahmed Wael**

**Jagga, Nishesh** (Computing Option)

**Jeong, Edward Kyu Hyun**

**Jiang, Kevin Huang** (Computing Option) \*

**Juana, Jovina** \*

**Kobaner, Seran** (Computing Option)

**Kong, Michelle Tsz To** (Computing Option) \*

**Kwok, Stacy Jie** (Computing Option) \*

**Lee, Dana** \*

**Li Ge, Ke Yu** (Computing Option)

**Liao, Jingshi** (Computing Option) \*

**Liaw, Cuthbert**

**Lin, Angus Chee Han**

**Lin, Zhian** (Computing Option)

**Liu, Yuanqin** (Computing Option) \*†

**Majetic, Peter Charles** (Computing Option) \*†

**Malesich, Aidan** (Computing Option) \*

**Memon, Allah Yar Ahmed** (Computing Option)

**Montoya Cabrera, Jose Andres** (Computing Option) \*

**Nam-Wong, Skyler Drew** \*

**Naous, Ismail** (Computing Option)

**Nonta, Nayeema Afseen** (Computing Option) \*

**Patel, Maan Atulkumar** (Computing Option)

**Patel, Stuti** \*

**Pham, Duong Cat Tuong** (Computing Option) \*

**Pilon, Chloe Lyn** \*†

**Prazuch, Karolina Rose** (Computing Option) \*†

**Premakumar, Kesojan** (Computing Option)

**Ravichandran Madhu, Vembushri** (Computing Option) \*

**Rawasia, Hassan Waris** (Computing Option) \*

**Rokhit, Ronen** (Computing Option)

**Shaikh, Zuhayr Tariq** (Computing Option) \*

**Shehamte, Geberile**

**Simms, Ewan Cameron** (Computing Option) \*†

**Swileh, Sand** (Computing Option)

**Tam, Natalie Wing Yan** (Artificial Intelligence Option)

**Tao, Allison** (Computing Option) \*

**Tawfeeq, Ayman** (Computing Option)

**Thirunavukkarasu, Sarankan** (Entrepreneurship Option & Computing Option) \*

**Topaloglou-Mundy, Nikolaos Aristotelis** (Computing Option)

**Trevisan, Michaela May** (Computing Option) \*†

**Tsoi, Gillian Jung Ying** (Computing Option) \*

**Twarecki, Peter Teofil** (Computing Option) \*

**Wen, Christine** (Computing Option) \*†

**Yang, Anita Marissa** (Computing Option) \*

**Yang, Fan Hsuan** (Computing Option) \*†

**Yang, Yi-En** (Artificial Intelligence Option) \*

**Yuan, Ruotong** \*

**Zada, Troy Mihran** (Computing Option) \*

**Zhang, Anthony** \*

**Zhang, Tian Xing** (Computing Option)

**Živković, Stefan** (Computing Option) \*†

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## BACHELOR OF ARCHITECTURAL STUDIES

### HONOURS PROGRAM

Bobeta, Antea Marija  
Schneider, Ariel \*

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## DIPLOMA IN SUSTAINABILITY

Coats, Jessica Mackenzie  
Das, Savita  
Devenny, Kathleen Karen Jean  
Hallen, Frances Johnnie  
Linscott, Katherine  
Munro, Kiridan William Thomas  
Oyet, Ubelejit Jesse

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## CERTIFICATE IN CO-OPERATIVE EDUCATION IN RESEARCH

Das, Savita  
Munro, Kiridan William Thomas

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## CERTIFICATE IN GLOBAL EXPERIENCE

Rywak, Joanna

\* – With Distinction

† – Dean’s Honours List

# Outstanding Achievements

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## MEDALS AND AWARDS

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

#### Doctoral

Tao Guo (Fall 2023)

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

#### Master's

Seung June Lee (Fall 2023)

### THE UNIVERSITY OF WATERLOO PRESIDENT'S AWARD OF EXCELLENCE

#### Highest standing in an undergraduate degree program

Ryan James Dancy

### THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

#### Outstanding academic achievement

Shahed Riadh Saleh

### ONTARIO PROFESSIONAL ENGINEERS FOUNDATION FOR EDUCATION GOLD MEDAL

Barry Evan Cimring

### PEARL SULLIVAN EMERGING GLOBAL LEADERS AWARD

Ziyan Zhang

### ROY DUXBURY LEADERSHIP AWARD

Ziyan Zhang

### THE ALBERT SHERWOOD BARBER MEDAL

Shahed Riadh Saleh

### THE JOHN FISHER AWARD FOR LEADERSHIP

Claudia Carmela Joan De Fazio

## THE SANDFORD FLEMING FOUNDATION MEDALS

### Co-operative work term proficiency

Vanessa Syzmanski

Finnegan Frederick O'Hara

Dana Grace McBride

Ryan Shao Huang Charlinski

Cassidy Sum Yin Wong

Mayuresh Khanderao Gaikwad

Saarang Agarwal

Stuti Niral Dave

Jessie Huynh

Bianca Christina Angheluta

Yuanqin Liu

Shivam Abhi

Caitlin Ho

Andrew Daniel Tersigni

Braeden Alexander MacDougall

Amir Roshankar

Krishna Kalavadia

Shahed Riadh Saleh

### Academic excellence

Frank Pak Chung

Amanda Ann Patricia Johnson

Curtis Russell Rhodes

Shanese Vishana Hema

Bajrnathsingh

Henry Stephen Hughes

Ayush Gupta

Yutong Yang

Samoil Petrevski

Taydon Spencer Sinopoli

Karolina Rose Prazuch

Matthew Carullo

Anoush Eric Rasouli

john-Paolo Samer Casasanta

Faysal Muhammad Munshi

Xinmei Yang

Hannah Zhu

Lukas Weber

# Waterloo brings home the gold

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

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

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



GO INSIDE THE LAB AT

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

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

# *Our tradition of regalia*

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## **THE GOWN**

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

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

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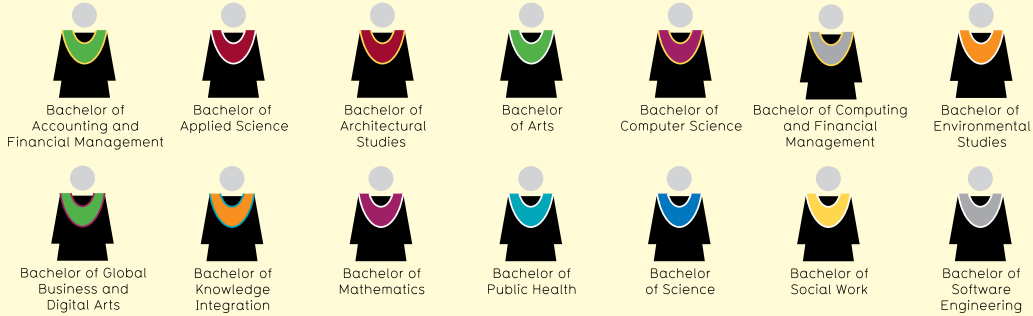
## **THE HOOD**

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

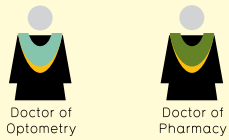
The ritual at convocation reflects the old custom that anyone in a university could wear a gown, but a hood was the symbol for a degree.

# Academic Dress

## BACHELOR'S



## PROFESSIONAL DOCTORATE



## MASTER'S



## DOCTORAL



## HONORARY DOCTORATE



# CONVOGATION



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

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