

### ONE HUNDRED AND TWENTY-NINTH CONVOCATION

# CONVOCATION

## FACULTY OF ARTS FACULTY OF ENGINEERING

**Convocation Ceremonies** 

SATURDAY OCT

26

2024



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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#### 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.

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#### SATURDAY, OCTOBER 26, 2024

# Message from the chancellor

## Welcome graduates, family members and friends, faculty, staff and alumni to Fall 2024 Convocation.

This is the first time I've had the honour of presiding over convocation as chancellor, and I couldn't be more delighted.

The University of Waterloo is home to me. It is from this wonderful institution that I received my three degrees, and I've continued my strong connection to the University since then.

Waterloo helped shape me, as I'm sure it has shaped the accomplished students who will receive their diplomas today. Waterloo opens eyes and it opens minds. Discovery, innovation, entrepreneurship, the freedom and inspiration to think big, audacious thoughts – these are in the ethos of the University of Waterloo.

Convocation marks a culmination of so much hard work and dedication. Each graduate has navigated the highs and lows of their educational journey to make it to this milestone.

Members of the Class of 2024, especially, have overcome many unexpected hurdles during their time at Waterloo, among them a pandemic, a hate-motivated attack on campus and global conflicts that continue to deeply affect many in our community. The ability to maintain focus and support each other will serve these graduates well as they enter the next chapter of their lives.

I speak from experience when I say that Waterloo graduates are unique in the way they approach challenges, collaborate and stay motivated to make the world a better place. They have the skills and the network to effectively address whatever lies ahead. Convocation celebrates the achievements of our graduates and their shift to our alumni community. Since our institution's founding in 1957, we have conferred more than 250,000 degrees and certificates. The Waterloo alumni network extends to more than 150 countries and offers our graduates a community regardless of where their futures take them.

As alumni, we are all Waterloo ambassadors for life.

We are also leaders. Waterloo graduates have a responsibility to make the world a better place, whether that's finding solutions to humanity's biggest challenges or fostering kindness, beauty and well-being for those most in need. The knowledge and creativity of Waterloo alumni continue to have a lasting impact on our community and beyond.

Congratulations to all our graduates, and to their families, friends, mentors, faculty and staff who helped make this tremendous accomplishment a reality.

Thank you for continuing the Waterloo tradition of excellence.



JAGDEEP SINGH BACHHER BASc '93, MASc '94, PhD '00 Chancellor

"I SPEAK FROM EXPERIENCE WHEN I SAY THAT WATERLOO GRADUATES ARE UNIQUE IN THE WAY THEY APPROACH CHALLENGES, WORK TOGETHER AND STAY MOTIVATED TO MAKE THE WORLD A BETTER PLACE FOR OTHERS."

# *Message from the president and vice-chancellor*

We are so pleased to extend a warm welcome to our graduates and their family, friends and supporters who are joining us to recognize the accomplishments of the Class of 2024.

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 embrace their passions and be unconventionally bold.

Each graduate has worked especially hard to get to this moment, and behind each one has been someone they could depend upon when things got difficult. From friends and family to staff and faculty, together as a community, we celebrate our students' success. To everyone who has supported our students, thank you for being there and providing that support.

I also wish to formally welcome our new chancellor, Dr. Jagdeep Singh Bachher, who will be installed as the University of Waterloo's 12th chancellor at our first ceremony this fall. A three-time alum, Dr. Bachher will be presiding over his first convocations in this new role. Like our graduates, he exemplifies the type of dynamic leader that Waterloo develops: a champion of curiosity, exploration, risk-taking, entrepreneurship, global stewardship and leadership. 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 continue to seek out, identify and solve the 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 many challenges facing our world, there are also opportunities to implement innovative solutions to address them. Each new graduate is among the future leaders and changemakers who will help tackle 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.

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



Vinche Goel

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

"EACH NEW GRADUATE IS AMONG THE FUTURE LEADERS AND CHANGEMAKERS WHO WILL HELP TACKLE THESE CHALLENGES AND BUILD A BETTER FUTURE FOR HUMANITY AND OUR PLANET."

# 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 more than 253,000 alumni, connected by their experiences at Waterloo.

Throughout your career, I encourage you to stay connected to your alumni community. There are more than 253,000 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.

Starn Vangehich

DIANA VANGELISTI BES '84 MA '89 MCIP, RPP(Ret) Chair, University of Waterloo Alumni Council

"THERE ARE MORE THAN 253,000 OF US AND WE ARE HERE TO SUPPORT YOU AS YOU WORK TOWARDS YOUR GOALS."

# Chancellor's installation

# The chancellor's installation marks the official welcoming of a new institutional leader.

Elected by the University's Senate to a three-year term, the chancellor serves as the ceremonial head for the institution and presides over convocation ceremonies, conferring degrees, diplomas and certificates on graduating students.

On Friday, October 25, 2024, the twelfth chancellor of the University of Waterloo will be installed. In addition to presiding over convocation ceremonies, the chancellor serves as a key ambassador for the institution, connecting it with the broader community and advancing the University's interests locally, provincially, nationally and internationally. This includes supporting engagement with the external community, building partnerships with a variety of stakeholders and rallying support for University initiatives.

The University of Waterloo has appointed Jagdeep Singh Bachher, PhD, a triple alum of the University, as its newest chancellor, succeeding Dominic Barton, who served two terms beginning in 2018. Dr. Bachher is the chief investment officer of the University of California, where he oversees an investment portfolio of \$180 billion.

Dr. Bachher completed a Bachelor of Applied Science, Mechanical Engineering in 1993, a Master of Applied Science, Management Sciences in 1994 and a Doctor of Philosophy in Management Sciences in 2000.

From entrepreneur to investment leader, Dr. Bachher has worked for leading companies and organizations across North America, including Manulife Financial, the Alberta Investment Management Corporation and now the University of California's system of 10 campuses, six academic health, and three affiliated national laboratories.

Dr. Bachher has been a champion for change in the investment industry and gained an international reputation as an innovator. In his role as chief investment officer, he created a collaborative culture known as "The UC Investments Way" that is embodied by 10 pillars that guide investment decision-making for the benefit of university stakeholders and the broader UC community. During his ten-year tenure at UC, the university's investment assets have doubled.

A steadfast supporter of the University of Waterloo and its mission for more than three decades, Dr. Bachher served on Waterloo's Board of Governors since 2018, including as its vice-chair prior to being appointed as chancellor.

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# *Our tradition of convocation*

The ritual of convocation is a tradition that honours the roots of the university, and is, at the same time, a beginning for students who now enter a new stage in their lives. We welcome guests on this celebratory occasion and thank you for being present to share in it.

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

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

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

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



### **A CALLING TOGETHER**

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

### **CONNECTING WITH TRADITION**

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

### THE PROCESSION

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

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

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

#### THE MACE

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

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





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

### THE COAT OF ARMS AND MOTTO

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

### **DEGREES AND HONORARY DEGREES**

Presentations of earned and honorary degrees, and the speeches associated with them, take up most of the time at convocation. Undergraduate and graduate degrees are awarded in each of our six faculties: 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.

### 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 Vivek Goel, president and vice-chancellor 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.



"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.

#### **MYEENGUN HENRY**



Indigenous Elder, Former Chief of Chippewas of the Thames First Nation, Traditional Medicine Practitioner Doctor of Laws, honoris causa FRIDAY, OCTOBER 25 / MORNING CEREMONY

Elder Myeengun Henry joined the University of Waterloo in 2022 as Indigenous Knowledge Keeper in the Faculty of Health. He is former Elected Chief and band councillor for the Chippewas of the Thames First Nation. He served as manager of Indigenous Services and educator of Indigenous Studies at Conestoga College. Elder Henry conducts Indigenous ceremonies and teachings on campus. He is also a traditional medicine practitioner, environmental protectionist, Indigenous counsellor, Pow Wow co-ordinator and Indigenous advisor to the Ontario Provincial Police and Law Society of Ontario. Elder Henry works with compassion alongside the Office of Indigenous Relations toward reconciliation.

#### JIM ESTILL P.Eng



Doctor of Laws, *honoris causa* SATURDAY, OCTOBER 26 / AFTERNOON CEREMONY

Jim Estill is the president and CEO of Danby Appliances, a role he has held since 2015. A successful entrepreneur and investor, he has backed more than 150 startups throughout his career. In 2015, Estill gained international recognition for sponsoring the resettlement of 50 Syrian refugee families in Canada. In honour of his philanthropic contributions, he was awarded the Order of Ontario in 2017 and the Order of Canada in 2018. Estill holds a BASc in Systems Design Engineering from the University of Waterloo and an Honorary Doctorate of Laws from the University of Guelph.

#### MARK YANTZI

BA, MASc Doctor of Laws, *honoris causa* SATURDAY, OCTOBER 26 / MORNING CEREMONY

Mark Yantzi is a pioneer in restorative justice and a leader in addressing conflict. He earned a BA in Sociology in 1969 and a MASc in Human Relations and Counselling in 1977, both from the University of Waterloo. As a parole officer in the 1970s, Yantzi implemented Canada's first formal use of restorative justice in criminal sentencing. He founded and led Community Justice Initiatives, developing programs to support victims and offenders. He served Waterloo as a city and regional councillor and was a mediator for Correctional Service of Canada. He is the author of *Sexual Offending and Reconciliation* and recipient of Conrad Grebel University College's Distinguished Alumni Service Award.



# 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.

#### **BARB MOFFATT**



BSc, PhD Faculty of Science FRIDAY, OCTOBER 25 / EVENING CEREMONY

Dr. Barb Moffatt is a plant biologist whose research focused on the role of enzymes in plant development and was a pioneer in early aspects of molecular genetics. In her teaching, she encouraged students to think critically rather than memorize facts. She was a biology program advisor for most of her career. Her commitment to students led to her receiving the University of Waterloo Distinguished Teaching Award in 2007, and she served as associate dean of student relations for ten years. She considers it a great honour to have shared her passion for science with hundreds of students each year and enjoyed watching them flourish.

### **GUY POIRER**



BA, MA, PhD, frsc/msrc Faculty of Arts SATURDAY, OCTOBER 26 / MORNING CEREMONY

Dr. Guy Poirier retired in 2023 from the University of Waterloo's Department of French Studies after 20 years of service. During his tenure, he was department chair for eight years. Poirier is recognized for his scholarship on representations of gender and homosexuality in early modern France and Jesuit travel narratives in New France. His excellence and impact have been recognized in numerous ways, including the 2023 Canadian Society for Renaissance Studies Lifetime Achievement award and as co-recipient of the 2020 Gabrielle-Roy Prize. In 2021, he was elected a Fellow of the Royal Society of Canada.

#### **SHERRY SCHIFF**



BSc, Bed, MRec, PhD Faculty of Science FRIDAY, OCTOBER 25 / EVENING CEREMONY

Dr. Sherry Schiff is a widely recognized leader in her research field and was responsible for creating an internationally renowned research program in environmental and isotope biogeochemistry in the Department of Earth and Environmental Sciences at the University of Waterloo. Schiff established herself as an outstanding researcher and dedicated teacher until her retirement in 2023. Her career is one of remarkable and sustained productivity and innovative research as well as significant service contributions to the department. Schiff's research program focused on training the next generation of scientists and she was an important mentor to women in a previously maledominated field, successfully combining busy family life with a field-oriented research program.

### **HOWARD ARMITAGE**



BSc, MBA, PhD, FCPA Faculty of Engineering SATURDAY, OCTOBER 26 / AFTERNOON CEREMONY

Dr. Howard Armitage is professor emeritus and founder of the Conrad School of Entrepreneurship and Business at the University of Waterloo. He has served as director of the School of Accounting and Finance and special advisor to the president for entrepreneurship. He holds a PhD from Michigan State University and an MBA from the University of Alberta. Armitage has received numerous accolades, including the 3M Teaching Fellowship, Startup Canada Entrepreneurship Educator of the Year and the City of Waterloo's highest civic award. Armitage is widely published and a sought-after speaker, focusing on entrepreneurship and innovation's role in driving organizational and community growth. He has worked with global institutions such as the World Bank, assisting countries in developing entrepreneurship programs.

# Guest speaker

#### **DANIELLE PAES**



PharmD, RPh Faculty of Science FRIDAY, OCTOBER 25 / EVENING CEREMONY

As an award-winning clinician and dedicated patient advocate, Dr. Danielle Paes is wellrecognized as a dynamic and forward-thinking health care leader. She earned her Bachelor and Doctor of Pharmacy degrees from the University of Waterloo and holds a Bachelor of Science in Applied Pharmaceutical Chemistry from the University of Guelph. Paes currently holds the position of chief pharmacist officer at the Canadian Pharmacists Association, where she is driving strategic efforts in pharmacy practice, workforce sustainability and diversity, equity and inclusion. In addition to her genuine passion, her unique career portfolio gives Paes a national lens, enabling her to provide leadership and guidance on key issues facing health care in Canada. One of her greatest joys is spending time with her partner and their two bright and curious children.

# Valedictorians

#### Maryam Mohiuddin Ahmed

Faculty of Environment FRIDAY, OCTOBER 25 / MORNING CEREMONY

#### Oluwatofunmi David Awosoga

Faculty of Mathematics FRIDAY, OCTOBER 25 / AFTERNOON CEREMONY

#### Nikhil Anil George

Faculty of Science FRIDAY, OCTOBER 25 / EVENING CEREMONY

#### **Jillian Rose Adams**

Faculty of Arts SATURDAY, OCTOBER 26 / MORNING CEREMONY

#### Sanaz Saadatmand Hashemi

Faculty of Engineering SATURDAY, OCTOBER 26 / AFTERNOON CEREMONY



# **MORNING CEREMONY**

Degrees and diplomas from: UNIVERSITY OF WATERLOO FACULTY OF ARTS

# Graduate degrees

FACULTY OF ARTS

#### **DOCTOR OF PHILOSOPHY**

Adams, Jillian Rose (Accounting) "Examinations of the Relations Between Tax-Motivated Income Shifting and Private and Public Country-By-Country Reporting"

Barnett, Richard Tyrone (German) "Pedagogical Approaches for Encouraging Interaction Awareness and Interactional Competence in University-Level Second Language Learners"

**Che, Yixing** (Accounting) "Corporate Innovation Strategy and Narrative Disclosures"

**Chen, Xi** (Accounting) "The Information Value of Earnings Announcements of US-Listed Foreign Firms"

**El Mekaui, Lara Samir** (English) "Hesitant Belonging: Understanding Generational Traumas of Forced Migration in Black and Palestinian Diaspora Contemporary Transnational Fiction"

#### **El-Amyouni, Elianne George** (English)

"Mosaics of Resistance: Political Identity Expression in Palestinian Youth Subcultures"

**Gevaux, Nicole Simone** (Psychology) "Children's Performance and Social Behaviour During Competitive Games With (Simulated) Peers"

Hubley, Candice Marie (Psychology) "Struggling to Let Go: The Role of Prior Investment in Goal Disengagement"

Köpcke, Jana (German) "Analyzing the Manuscript Contexts of the Medieval German Verse Novella Die Königin von Frankreich (The Queen of France)"

**Kruger, Tyler Bradley** (Psychology) "Examining the Influence of Caffeine on Attentional Engagement in Everyday Life and During an Auditory Attention Task"

**Kuang, Yifei** (Accounting) "Does ESG-Linked Executive Compensation Improve Responsible Sourcing?"

LaCroix, Emerson (Sociology) "An Organizational Perspective on Experiential Education in Ontario Higher Education" Lodoen, Shannon Marie (English) "Subjectivity Under the Smartphone: A Rhetorical Examination of Digital Communications Technologies"

Lu, Xinyi (Psychology) "Relatedness in Memory and Metamemory: Benefits, Costs, and Beliefs"

**Orchard, Alexi** (English) "Interdisciplinary Pedagogy for Ethical Engineering and Responsible Innovation"

#### **Sadeghi Janbahan, Mahsa** (Psychology)

"Goal-Striving and Pilot Goal Management Training in Adolescents With Attention-Deficit/Hyperactivity Disorder"

#### Smith, Alyssa Catherine (Psychology)

(Esychology) "Examining the Relation Between Oral Contraceptive Use and Attention-Related Traits and States"

**Sycz, Damian** (Sociology) "Flying the Flag: A Mixed-Methods Study Examining Policing Subjectivity in a Canadian Auxiliary Police Service"

Tan, Pelin (Psychology) "Intentional Forgetting: The Role of Retrieval in Encoding"

#### Trossman, Rebecca Claire (Psychology)

"Exploring Social Attention in Attention-Deficit/Hyperactivity Disorder: A Dimensional Approach"

Xu, Wenzuo (Applied Economics) "Applications of Machine Learning on Econometrics for Two-Stage Regression, Bias-Adjusted Inference With Unobserved Confounding, and Test for High Dimensionality"

#### **MASTER OF ACCOUNTING**

Abell-Rinn, Candice Faye Abouloghod, Faisal Hussam Adeshra, Ayushi Ah Sen, Kelly Angela Ajmani, Purva Alarakhia, Danial Ali Ali, Mohammad Ahmad Amin, Ayushi Aranha, Ceanna Agnes Athwal, Simerjot Singh Attia, Youssef Averion, Juliana Mari Marajas Baig, Zia Kamran Balamurali, Nirthika Barbu, Sarah Batish, Harshil Bhatt, Shyam Bhavsar, Axar Bosomworth, Daniel Clarke William Bozorgi Kiasaraei, Elina Broadway, Chelsey Lyn Cable, Alexander John Cai. Yuru Cen, Serena Chan, Kyle Ka Wai Chan, Megan Allison Chen, Anna Chen, Brandon James Chen, Echo Chen, Li Hwa Chen, Lillian Chen, Natasha Jessica Chen, Yuxi Chen Yu, Katerine Cheung, Rachel Michelle Chitta, Abhay Choi, Gaeun Chow, Arthur Lai Yin Chow, Michael Chu, Bethany Ka Yee Chung, Jared Alexander Cong, Zhongxiao Dai, Chengning Dave, Krunali Alpeshkumar Deng, Shuyue Denstedt-Barr, Sydney Julia Desai. Kakshi Ding, Liu Sen Fernandes-Joseph, Camille Anastasia Fiorino, Michael Antonio Furtado, Sebastian Anthony Gerges, Mary Maged Halim Gilhula, Gabriel Douglas Joseph Govil, Shrija Graonic, Dora Gressmann, Amanda Nicole Gujral, Senna Guo, Selena Guo, Ziyi Ha, Andrew Vy He, Huayu Ho, Chi Chuen Kelvin Hoang, Nhi Ngo Van Hu, Zheping Hua, Ciyang Insigne, Amery Ismaili, Falak Jiang, Xin Yi Jing, Linhan Joseph, Joshua John Kaiser, Samantha Rae

Kamal, Anthony Kang, Simreyna Karunakaran, Yogeeta Kaur, Gurleen Kaushal, Amisha Kayrala, Maryann Kristen Kelly, Lauren Angela Irene Kelly, Liam John Kerr, Olivia Gabrielle Khan, Hufsah Khawaja, Ali Tahir Khosla, Narayan Kim, Colin James Han-su Koay, Zhi Ning Kraemer, Thomas Johnathon Kunanithy, Adshake Kuo, Ting-Chun Kuriakose, Philip Joseph Kwok, Michelle Ladha, Dimple Manoj Lau, Jennifer Pui Man Lau, Jia Yi Le, Dieu Anh Lee, Melissa On-Toa Lee, Nathan Kin Ning Lehocki, Stephen Thomas Lein, Matthew Filippo Leung, Kayley Amanda Leung, Rachel Lok Yan Li, Jing Han Li, Xiao Tong Li, Xinmiao Lin, Siyang Liu, Chutian Liu, Qi Liu, Yuze Live Tan, Valerie Kathleen Lu, Xiangyu Luo, Wenjun Ma, Celinda Ma, Xuanyi Maddipatla, Srija Madhava Krishna, Gowri Malik, Zaineb Tanveer Mann, Harlin Kaur Marchand, Brendan Matthew Marshall, Kyle David Mathew, Alan McBain, Leah Mackenzie Mehan, Krishma Misra, Shashwat Morrison, Seth Drysdale Multani, Nishchay Singh Nagayaindran N, Yammunna Nagi, Karanbir Singh Naik, Harshesh Nakhuda, Asim Faiyaz Nambiar, Lakshmimaya Nguyen, Nam Hai Nguyen, Stephanie Nguyen, Thi Phuong Khanh Nhieu, Jason Ho Yin Nip, Jerome Kenneth Odurny, Lewis Anthony Panchal, Isha Panesar, Sarbjit Kaur Park, Jia Park, Jonathan Suhyen Patel, Krisha Umang

Patel, Rajvi Hiren Penner, Matthew Donald Kavanagh Prabananthan, Pranavii Pooshani Pyarali, Akbar Qian, Xiaoyi Qiu, Siqi Ragavan, Vireshaar Raul, Rimaldeep Kaur Reddy, Michelle Ranjini Sade, Natalie Sahib, Omar Aydn Rambarran Salman, Izza Sehrawat, Shruti Shah, Rahul Shanker, Tanvi Sharma, Vinay Shat, Derek Kae Fung Sheng, Jessica Tiange Silverman, Derek Andrew Simpson, Georgia Donna Singh, Gunpreet Singh, Marisa Singh, Pawan Saroop Siu, Ethan Lok-Heng Song, Linjie Street, Tyler Troy Su, QiHui Sun, ChuQiao Sun, Xinyi Suresh Kumar, Dhivaraca Sureshkumar, Ahaash Sureshkumar, Aynkaran Tagra, Ashutosh Tam, Matthew Lap-yin Tariq, Muhammad Umer Trainor, Ryan Joseph Trinidad, Jake Rodriguez Tsai, Taylon Nathaniel Tso, Vivian Wai Chi Usman, Junaid Varghese, Ann Maria Vasanthakumar, Jathushan Wan, Cassandra Ka Hei Wang, Yang Min Wang, Zhiheng Webber, Nicole Leigh Weediyage, Amiru Methsilu Wegner, Adam Wei. Lan Won, Yereen Wong, Holden Thomas Wong, Yoong Hao Wu, Calvin Wu, Jingyi Wu, Ryan Zi Hun Xiong, Jiarui Xu. Oulu Xu, Zihan Yabrov, Matthew Jonah Yin. Maria Yiu, Colin Yu, Jiaoyang Zang, Tianqi Zhang, Shenghan Zhang, Xuefei Zhang, Zhigi Zhao, Caddie Shuyang Zhao, Yuqi Zhu, Yuwei

#### MASTER OF APPLIED SCIENCE

#### **Cantafio, Alexis Shakira Pike** (Psychology – Developmental and Communication Science)

**Ghanem, Nadine** (Psychology – Developmental and Communication Science)

**Grapes, Allister Calvin** (Industrial and Organizational Psychology)

Nam, Ivy Yoohwa (Psychology – Developmental and Communication Science)

**O'Neill, Kristin Hope** (Psychology -Developmental and Communication Science)

**Wiseman, Madeline Nicole** (Psychology - Developmental and Communication Science)

#### **MASTER OF ARTS**

Ahmed, Shaza (Global Governance) Al-Jaiashi, Zainab (Global Governance)

**Ascenzi, Cassandra** (Global Governance)

Berry, Daniel James (History)

**Bhattacharya, Aparajita** (Public Issues Anthropology)

**Blackburn, Shawn** (English – Literary Studies)

**Brown, Curtis John Crandall** (Philosophy)

**Chernak, Ezri Christopher** (Philosophy)

Chow, James (Philosophy)

Chu, Tuan Hoang (History)

Clarke, Robyn Marie (History)

**Clasen, Isabel Chelsea McLaren** (Public Issues Anthropology)

**Denney, Grace Lauren Meredith** (Psychology)

**Doiron, Zachary Thomas** (Political Science)

**Durston, Amie Jeannette** (Psychology)

**Esdon, Stephanie Catherine** (English - Literary Studies)

Farid, Aosan (Global Governance)

**Font, Camila** (Public Issues Anthropology)

**Formisano, Nadia** (English - Rhetoric and Communication Design)

Ghaffarian, Sara (German)

Grove, Monica Elizabeth (Psychology)

Gülgen, Burak (Economics)

Hanson, Thomas (English - Rhetoric and Communication Design)

Haskell, Alyssa (Global Governance)

**Hossain, Mehnaz** (Global Governance)

Jackson, Jonathon Paul (History)

**Johnston, Melanie** (Classical Studies)

**Kopylova, Elizaveta Evgenyevna** (French Studies)

Korlacka, Michelle Anna (Psychology)

Kudryk, Sophia Mary (Psychology)

Lingley, Benjamin Michael (English -Rhetoric and Communication Design)

Lowson, Beatrice Berin (History)

Mackay, Gavin Andrew (English – Literary Studies)

Markan Davidson, Coral Angeline (French Studies)

Martin, Paige (Global Governance)

**Masoumi, Mehrshad** (Political Science)

McDonald, Braedon Richard (Political Science)

Nuttall, John Maxwell (Political Science)

**Obiago, Chinye Adaeze** (English – Literary Studies)

**O'Donnell, Sarah Stephanie** (English – Rhetoric and Communication Design)

**Puri, Ritika** (English - Rhetoric and Communication Design)

Quinn, Krista Allison (Psychology)

**Riese, Paula Sophie** (Intercultural German Studies)

**Rossi, Michael Tino** (Political Science)

**Rubie, Candice Antonia** (Psychology)

Scheifley, Caytie Audrey (French Studies)

Shankar, Sanjhanaa (Economics)

Sun, Caiwei (Economics)

Szczepanek, Daniel Christopher (Social and Legal Studies)

Tariq, Hamza (Psychology)

**Thulasi Pillai, Varsha** (English -Rhetoric and Communication Design)

Tronciu, Stella Lina (Philosophy)

Tung, Simrat Kaur (Psychology)

Um, Ko Eun Nancy (French Studies) Vanderlinde, Nicholas William

(French Studies)

Wegenschimmel, Neil Helmut (Psychology) Weiler, David Michael (Classical Studies)

Woeschka, Margaret Catherine Elizabeth (French Studies)

Wu, Kristina Mei (Psychology) Xu, Fanya (Economics)

#### MASTER OF CATHOLIC THOUGHT

**ST. JEROME'S UNIVERSITY** Mines, Christina Maria

#### **MASTER OF FINE ARTS**

Beerdat, Ashley (Studio Art) Charles, Melissa Star (Studio Art)

## MASTER OF PEACE AND CONFLICT STUDIES

Kamyori, Shadrach Meshach Vallis, Chantal Ashley Louise

#### **MASTER OF PUBLIC SERVICE**

Alexander, Rita Emtesali, Nora McLeod, Kyle Shami, Dana

#### MASTER OF TAXATION

Bunker, Mallory Emily Chen, Yitong Chin, Hing Nam Ding, Yuzhe Li, Hongyan Mirza, Mansoor Ahmad Ong, Joyce Sivabalasingham, Gajan Zhang, Xinyuan

#### **MASTER OF THEOLOGICAL STUDIES**

#### CONRAD GREBEL UNIVERSITY COLLEGE

Buhler, Conrad Jedynak, Ryan Turner, Mary Mykayla Lyn Van Der Meulen, Joya Wallman, Joel

#### **GRADUATE DIPLOMA**

Adams, Jillian Rose (Computational Data Analytics for the Social Sciences and Humanities)

Fan, Shisen (Taxation)

**Gülgen, Burak** (Computational Data Analytics for the Social Sciences and Humanities) **Lu, Xinyi** (Computational Data Analytics for the Social Sciences and Humanities)

McLeod, Kyle (Computational Data Analytics for the Social Sciences and Humanities)

**Shankar, Sanjhanaa** (Computational Data Analytics for the Social Sciences and Humanities)

**Tan, Pelin** (Computational Data Analytics for the Social Sciences and Humanities)

#### GRADUATE CERTIFICATE

Ramey, Catherine Elizabeth (University Teaching)

Safati, Adrian Berk (University Teaching)

**Shahidi, Mojdeh** (University Teaching)

**Woodward, Leanne Maye** (University Teaching)

# Undergraduate degrees

FACULTY OF ARTS

#### **BACHELOR OF ARTS**

#### ST. JEROME'S UNIVERSITY

#### GENERAL PROGRAM -THREE YEAR

Yates, Spenser Solstice Kaye (Psychology)

#### GENERAL PROGRAM -FOUR YEAR

Le, Ryan Huân (Political Science)

**Lucas, Kiah Shaunesse** (Liberal Studies – Social Development Studies Minor, Cognitive Science Minor)

#### HONOURS PROGRAM

**Civello, Julia Maria** (Legal Studies & Honours Arts and Business – Co-operative Program) \*

**Dinsmore, Raianne Richeal Patricia** (Psychology – Sexuality, Marriage, and Family Studies Minor) \*

**Edwards, Lauren Ann** (Legal Studies & Honours Sociology)

Lee Wah, Renee Marie Alma (Peace and Conflict Studies & Honours Arts and Business – Religious Studies Minor – Co-operative Program)

Madill, Madison Olivia (Legal Studies & Honours Arts and Business – Co-operative Program)

Manlapaz, Tia Anna Marie (Social Development Studies – Social Work Specialization – Psychology Minor)

Nasir, Shamsuddin (Legal Studies & Honours Political Science)

Needham, Julia Denise (Psychology – Human Resources Management Minor) †

Rueffer, Savina Noelle (English-Literature and Rhetoric - Intensive English Specialization - Legal Studies Minor) <sup>†</sup>

**Stolee, Noah John Zaza** (English-Rhetoric, Media, and Professional Communication – Urban Studies Minor) <sup>†</sup>

Watkinson, Carter Trevor (Legal Studies & Honours Arts and Business – Peace and Conflict Studies Minor – Co-operative Program)<sup>†</sup>

#### **BACHELOR OF ARTS**

#### RENISON UNIVERSITY COLLEGE

#### GENERAL PROGRAM -THREE YEAR

**Agostinho, Raquel Rosa** (Social Development Studies – Social Work Specialization)

Anderson, Jennifer Lynn (Social Development Studies)

**Asfour, Ayat** (Social Development Studies)

**Brazier, Lauren Alex** (Social Development Studies) <sup>†</sup>

**Cárdenas, Shadira Vanessa** (Social Development Studies)

**Charest, Andrea Lynn** (Liberal Studies – Social Development Studies Minor)

**Clark, Meghan Amy Marie** (Social Development Studies – Social Work Specialization)

**Creightney, Colleen Angella** (Liberal Studies – Social Development Studies Minor)

**Daudlin, Brooklyn Grace** (Social Development Studies) <sup>†</sup>

**Dion, Anita Grace** (Social Development Studies – Social Work Specialization) \*

**Fourani, Sally** (Social Development Studies)

**Gooderham, Haley Anne** (Social Development Studies) \*

Hares, Ashley Dawn (Social Development Studies) <sup>†</sup>

**Kell, Emma Elizabeth Irene** (Social Development Studies) <sup>†</sup>

**Kumar, Alisha Anjali** (Liberal Studies – Psychology Minor)

**Leakey, Lily-Anne Huguette** (Social Development Studies) \*

**Mackey, Agatha Pearl** (Social Development Studies) <sup>†</sup>

**McBane, Jocelyn Sarah** (Social Development Studies – Social Work Specialization)

**McKnight, Kadian A** (Social Development Studies)

**Motz, Bradley Ryan** (Social Development Studies)

**Mutongi, Michelle** (Social Development Studies – Social Work Specialization)

**Noor, Fartun Abdullahi** (Social Development Studies)

**Rais, Arsala** (Social Development Studies) \*

**Ross, Marina** (Social Development Studies – Social Work Specialization) <sup>†</sup>

Smith, Breanna Patricia (Social Development Studies – Social Work Specialization & Individual Well-Being and Development Specialization)

**Suciu, Mihaela Naomi** (Social Development Studies – Education Specialization)

**Sword, Alana** (Social Development Studies) <sup>†</sup>

**Walters, Candis Michelle** (Social Development Studies) <sup>†</sup>

#### GENERAL PROGRAM -FOUR YEAR

Sivasathianathan, Abeitha (Social Development Studies – Social Policy and Social Action Specialization)

#### HONOURS PROGRAM

**Bromley, Ryan Nevil** (Peace and Conflict Studies & Honours Arts and Business – Co-operative Program) \*

Forbes, Kimberly Bernadette (Social Development Studies – Social Work Specialization)

Giroux-Chodzinski, Audicy Rain (Fine Arts Studio Practice – Psychology Minor)

**Gummow, Gareth Jaeme Jack** (Liberal Studies) <sup>†</sup>

**Hildebrandt, Judy Ilene** (Social Development Studies – Psychology Minor)

McKenney, Lesley (Social Development Studies – Social Work Specialization & Social Policy and Social Action Specialization) \*

**Ng, Chiu Wai Cherie** (Social Development Studies) <sup>†</sup>

- \* Distinction
- † Dean's Honours

**Poser, Katie** (Social Development Studies – Individual Well-Being and Development Specialization & Education Specialization) \*

**Reynolds, Micah Khalil Zion** (Social Development Studies – Diversity and Equity Specialization & Social Work Specialization & Individual Well-Being and Development Specialization) <sup>†</sup>

**Soomal, Sonia Kaur** (Social Development Studies – Social Work Specialization & Education Specialization)

Wen, Lijie (Social Development Studies – Social Work Specialization & Individual Well-Being and Development Specialization) <sup>†</sup>

Wilson, Alyssa Caleigh (Social Development Studies – Social Policy and Social Action Specialization) \*

#### **BACHELOR OF SOCIAL WORK**

#### RENISON UNIVERSITY COLLEGE HONOURS PROGRAM

Ayala-Dominguez, Daniel Alfredo Boles, Cailyn † Booker, Eva Catharine † Bouckhuyt-Dobbin, Heather Jay <sup>†</sup> Brownhill, Emily Elizabeth † Caissie, Rebecca Ashley <sup>†</sup> Campbell, Jennifer Lee <sup>†</sup> Carandang, Kathryn † Carr, Christina Joan † Chirilenco, Rachel Marta † Connelly, Sean Anthony † Cyr, Tara Lee † Dawson, Margaret Dianne † Dias, Melanie Amorim † Dirks, Emily \* Ebrahim, Nadia Afzal † Evans, Jennifer<sup>†</sup> Fell, Lexi Laurene † Ferguson, Emaleen Anne † Forrest, Amanda Grace † Freeman, Chelsey Annette † Freingruber, Dawn † Frost, Kennedy Alexander † George, Sylwia † Gordan, Lam Lam \* Gray, Sarah Heather † Gregory, Renea Nandy Sheeroya † Gresel-Campbell, Alexandria Justyne † Gysen, Faryn Grace † Harris, Mackenzie Mae<sup>+</sup> Henderson, Olivia May <sup>†</sup> Hewat. Jaime Nicolas † Keating, Deanna Marie † Kent, Kaitlynn Alyssa † Lebrun, Madison Mary<sup>+</sup> Lee, Rachel <sup>+</sup> Lin, Weijia †

Lu, Ziyang † Mak, Tsz Ching † Maw, William Macvicar † McGeachy, Shannon Kristy <sup>†</sup> Moss-McDonald, Sheri Lyn † Olayiwola-Oriji, Temilade Abiola \* Pennell, Jenna Marie † Prizeman, Emma Jane LizAnn † Quaid, Breanne † Reid, Lauren Ashley † Roth, Lindsay † Ruimbe, Omega Rutendo † Rukoro-Ogbebor, Magreth † Sampson, Adam Kieran † Shetta, Ashley-Rose Elaine † Sleiska, Sherry L † Smith, Jessica Skylar<sup>†</sup> Steunenberg, Evelyn Rose † Thompson, Bailey Hannah † Tremblay, Kim † Van Dyke, Brooke Cassidy † Visentin, Cynthia Louise \* Vogel, Michelle \* Walker-Garcia, Cailin Sierra † Whitefield, Danielle Monique †

## BACHELOR OF ACCOUNTING AND FINANCIAL MANAGEMENT

#### HONOURS PROGRAM

**Bhatoa, Bhavneet** (Financial Markets Specialization)

**Fan, Siwei** (Business Analytics Specialization – Co-operative Program)

**Peever, Jonathan Leigh** (Financial Markets Specialization – Co-operative Program)

**Sivarajah, Rukshana** (Co-operative Program)

**Soo, Harry Chi On** (Financial Markets Specialization – Co-operative Program) \*

#### **BACHELOR OF ARTS**

#### UNIVERSITY

#### GENERAL PROGRAM -THREE YEAR

**Al-Salih, Saifuldeen** (Social Development Studies)

Arunan, Aparna (Liberal Studies) †

Bahal, Avijit Singh (Liberal Studies)

**Boyd, Matthew Joseph** (Liberal Studies) <sup>†</sup>

**Cokic, Arya** (English-Rhetoric, Media, and Professional Communication) \*

Green, Haillie Lynn (Liberal Studies) \*

Heise, Susan Jane (Liberal Studies) <sup>†</sup> Kurella, Divya (Philosophy)

Li, Haowen (History)

**Li, Zhongren** (Communication Studies) \*

Liu, Yuzhuo (Psychology)

**Lu, Shelly** (Fine Arts – General Studio Art)

Lui, Melody Yuk Yu (Psychology) †

Marriott, Kristen Ashleigh (Liberal Studies) \*

**Nguyen, Angela** (English-Rhetoric, Media, and Professional Communication – Technical Writing Specialization)

Pacheco, Kelly (Liberal Studies) \*

**Speight, Lauren Julia** (Liberal Studies)

Tao, Yuchen (Liberal Studies – Management Studies Minor, Communication Studies Minor)

Wadhera, Meera Ishwa (Philosophy)

Wang, Lexuan (Political Science) \*

#### GENERAL PROGRAM -FOUR YEAR

Ahmed, Sairish (Liberal Studies) \*

Ali, Sabrin (English-Literature and Rhetoric – Creative Writing Specialization – History Minor)

**Ampadi, Unnimaya** (Liberal Studies – Legal Studies Minor)

**Attah Nantogmah, Abarika Fawaz** (Economics)

Bince, Corey (History)

**Clarke-Richards, Renyce** (Psychology – Addictions, Mental Health and Policy Minor)

**Fatima, Maha** (Liberal Studies – Sociology Minor)

Fell, Gillian Elizabeth Anne (Classical Studies – History Minor)

Hagan, Jordyn Eileen (French – Professional French Specialization – History Minor, Legal Studies Minor)

Jafri, Syed Sharjeel (Economics – Finance Specialization)

Jolley, Talia (Liberal Studies)

**Lushugurhi, Dorian Ashuza** (Legal Studies)

Mobeen, Iman (Economics)

Pervaiz, Maryam (Legal Studies)

Rodriguez, Catherine Therese (Liberal Studies)

Saini, Ishita (Psychology – Sexuality, Marriage, and Family Studies Minor) **Satsoruban, Thenusha** (English-Rhetoric, Media, and Professional Communication)

Wehrle, Ethan Douglas (Economics)

**Zulfiqar, Zaryab** (Legal Studies – Management Studies Minor)

#### HONOURS PROGRAM

**Abreham, Isaac Gizaw** (Legal Studies)

Adnan, Aysha (Liberal Studies – Economics Minor – Co-operative Program)

**Aggarwal, Aparna Maansi** (Psychology – Classical Studies Minor) †

**Agostino, Cameron Joseph** (Legal Studies – Management Studies Minor)

Ahmed, Hania Salman (Legal Studies & Honours Sociology – Politics and Business Minor)

**Al-Najjar, Menar** (Legal Studies & Honours Sociology & Honours Arts and Business – Co-operative Program) <sup>†</sup>

Arriesgado, Lizzet Carranza (Sociology & Honours Arts and Business – Legal Studies Minor – Co-operative Program) †

**Bao, Shenghui** (Fine Arts Studio Practice)

Bauman, Hilary Catherine (French & Honours Arts and Business – Co-operative Program)

**Beliaev, Matvei Sergei** (Political Science – Computing Minor)

**Bellamy, Grace Margaret Lu** (Legal Studies & Honours Arts and Business)

**Bergenstein, Natalie Jane** (Liberal Studies – Psychology Minor) †

**Berry, Yashika** (Psychology – Addictions, Mental Health and Policy Minor) <sup>†</sup>

**Bhargava, Garima** (Psychology – Co-operative Program)

**Bolivar, Jacob Daniel Brillantes** (Legal Studies) \*

Bolton, Hannah Carroll (Political Science & Honours Arts and Business – Co-operative Program) \*

**Bowler, Jaynie Mackenzie** (Fine Arts Studio Practice – Sociology Minor)

**Carroll-Woolery, Janna Dominique** (Liberal Studies – Digital Arts Communication Minor)

Castaneda, Keren Keziah Palmares (Legal Studies) \*

**Chahil, Mandeep** (Legal Studies – Sociology Minor) Chai, Yilin (Psychology)

**Chan, Wesley Chak Yan** (Liberal Studies & Honours Arts and Business – Co-operative Program)

**Chandralingam, Shamikca** (Legal Studies & Honours Arts and Business) \*

**Chen, Tianmin** (Communication Studies)

Chmielewski, Keegan Jeffrey (Political Science & Honours Arts and Business – Legal Studies Minor – Co-operative Program)

Chow, Chun Hung (Liberal Studies)

**Chu, Ethan** (Liberal Studies & Honours Arts and Business – Economics Minor – Co-operative Program)

**Cousens, Ravan Lee** (Peace and Conflict Studies – Psychology Minor) \*

Dammeier, Alexa Brook (Communication Studies) \*

**Delamere, Hannah Isabella** (English-Literature and Rhetoric – Mathematics Minor – Co-operative Program)

**Delill, Alyssa Lynn** (Psychology – Social Development Studies Minor) \*

Deng, Jilong (Economics)

**Devgan, Herleen** (Political Science & Honours Arts and Business – English Language and Literature Minor – Co-operative Program)

**Durocher, Bryn Isabella** (Psychology – Digital Arts Communication Minor)

**Fegradoe, Rhea Savannah** (Psychology – Legal Studies Minor – Co-operative Program) <sup>†</sup>

Fennelly, George Floyd Kevin (Philosophy – Legal Studies Minor) \*

Flanagan, Nolan James Anthony (Liberal Studies & Honours Arts and Business)

Flaro, Isabella Renee (Social Development Studies – Management Studies Minor)

Foad Ghazni, Nioumon (Philosophy & Honours Arts and Business – Co-operative Program)

Franklin, Spencer (Psychology – Social Development Studies Minor)

**Gariepy, Kelly Ann** (English-Rhetoric, Media, and Professional Communication)

**Genina, Yomna Alaa Ali** (Psychology – Co-operative Program) <sup>†</sup>

**Ghion, Maya** (Social Development Studies – Social Work Specialization – Peace and Conflict Studies Minor – Co-operative Program) Gillis, Bryanna Mary Elizabeth

(Sociology & Honours Legal Studies – Co-operative Program) <sup>†</sup>

**Godfrey, Ian David** (Psychology – Sociology Minor, Anthropology Minor)

**Godin, Paige Mary** (Legal Studies – Sociology Minor) \*

**Gogia, Mehek** (Psychology – Co-operative Program)

**Grande-Vasquez, Patricia** (Sociology & Honours Legal Studies – Co-operative Program)

**Gulati, Vivaan** (Psychology & Honours Arts and Business – Economics Minor – Co-operative Program)

**Gunaratnam, Janelle Deborah** (Legal Studies – Human Rights Minor) <sup>†</sup>

Harding, Brittany Laing (Sexuality, Marriage, and Family Studies – Psychology Minor) <sup>†</sup>

Hashemi, Romina (English-Literature and Rhetoric - Intensive English Specialization) \*

Herath Mudiyanselage, Hasintha Nirmal (Economics & Honours Arts and Business – Human Resources Management Minor – Co-operative Program)<sup>†</sup>

**Hooda, Mehak** (Mathematical Economics – Entrepreneurship Minor)

**Hookumchand, Joanne** (Communication Studies – Fine Arts Studio Minor) †

Horton, Lucas Chad (Economics & Honours Arts and Business – Co-operative Program)

Hum, Madison (Political Science) \*

Hunter, Olivia Mary (French - French Teaching Specialization – Music Minor)

Ismail, Sonia (Economics & Honours Arts and Business – Social Development Studies Minor – Co-operative Program)

Issa, Jasmine (Sociology & Honours Arts and Business – Communication Studies Minor) \*

**Isse, Ibrahim Abdirahman** (Legal Studies & Honours Psychology – Co-operative Program)

Kechichian, Ari (Visual Culture) \*

**Kerr, Jessie Samantha Robertson** (Music – History Minor) <sup>†</sup>

Khera, Simran Kaur (Psychology & Honours Arts and Business – Co-operative Program)

**Kim, Keebeum** (Political Science – International Relations Specialization & Honours Arts and Business – Co-operative Program)

- \* Distinction
- † Dean's Honours

**Kimmel, Arin Tiger** (Communication Studies) <sup>†</sup>

**Kopilas, Tiana** (Psychology – Social Development Studies Minor) \*

**Kugathas, Nevetha** (Psychology -Research Intensive Specialization -Cognitive Science Minor -Co-operative Program) <sup>†</sup>

**Kui, Brian Zi Pu** (Sociology – Human Resources Management Minor)

Lam, Dayton Chun Yin (History – Political Science Minor) \*

Lefeuvere, Austin Nathaniel (Classical Studies – Psychology

Liang, Jie (Economics)

Minor) \*

**Lim, Phillida Ching-Yu** (Communication Studies – Psychology Minor – Co-operative Program)<sup>†</sup>

Little, Carter Robert (Communication Studies & Honours Arts and Business – Co-operative Program)

Liu, BingQing (Liberal Studies) \*

**Lobo, Samara Nicole** (Legal Studies & Honours Sociology) <sup>†</sup>

Lyu, Chengfeng (Economics) <sup>†</sup>

MacDonald-Mealey, Jayna Dawn (Legal Studies – Sociology Minor – Co-operative Program)

**Majed, Hajar** (Liberal Studies – Psychology Minor)

**Manimaran, Shinthujhan** (Psychology)

Martinovic, Filip (Economics & Honours Arts and Business – Human Resources Management Minor – Co-operative Program)

Matharoo, Tajinder Singh (History – Geography and Environmental Management Minor) †

Matheson, Liam Ross (Psychology – Research Intensive Specialization – Addictions, Mental Health and Policy Minor) <sup>†</sup>

Mathew, Rianna Mary (Political Science)

McCarthy, Devon James (Psychology - Research Intensive Specialization) \*

McCaw, Emily Pearl (Psychology)

**McDonald, Lily Annie** (Political Science – Co-operative Program)

McKenzie, Isabella Apostoloff (Psychology – English Language and Literature Minor, Digital Arts Communication Minor – Co-operative Program) \* McKenzie, Justice Alvin (Philosophy) †

**Medcalf, Olivia** (Psychology – Sociology Minor)

**Mi, Yizhen** (Psychology – Addictions, Mental Health and Policy Minor)

Mittal, Akshat (Liberal Studies & Honours Arts and Business)

**Montenegro Borge, Dennys** (Political Science)

Morel, James (Liberal Studies & Honours Arts and Business – Entrepreneurship Minor, Economics Minor – Co-operative Program)

Muir, Sarah Jessie (History – Sociology Minor)

Normore, Hannah Antonia Veronica (Liberal Studies – Fine Arts Studio Minor, Psychology Minor)

**Oliveira, Tyler Paul** (English Literature – Philosophy Minor)

Patel, Sanam (Psychology & Honours Arts and Business – Co-operative Program)

Patton, Lucas James Murray (Psychology & Honours Arts and Business)

Perry, Alexis Emma-Mae (Social Development Studies – Individual Well-Being and Development Specialization & Social Work Specialization)

**Polstra, Evan Scott** (English Literature – Creative Writing Specialization – Classical Studies Minor – Co-operative Program) \*

**Prior, Jordan** (Psychology – Research Intensive Specialization) \*

Rafferty, Jenna (English-Rhetoric, Media, and Professional Communication & Honours Psychology) \*

**Rajkumar, Roshan** (Liberal Studies & Honours Arts and Business – Co-operative Program)

Randhawa, Manroop Kaur (Psychology)

Ross, Shannon Amelia (Anthropology & Honours Peace and Conflict Studies) \*

**Safi, Yelda** (English-Literature and Rhetoric – Co-operative Program) <sup>†</sup>

**Salau, Abel** (Mathematical Economics)

Sallam, Rosanne Samier (Psychology) \*

Samararatne, Ivansa Sandeepani (Legal Studies & Honours Arts and Business – Digital Arts Communication Minor – Co-operative Program) † Sanyaolu, Tolulope (Economics – Management Studies Minor)

Sauer, Daniel Matthew (Economics & Honours Arts and Business – Co-operative Program)

Saylany, Noura Marion (Social Development Studies – Social Policy and Social Action Specialization & Social Work Specialization – Psychology Minor)

**Sengeredo, Nicola Kondwani** (Communication Studies)

**Seo, Min Max** (Psychology & Joint Honours Mathematics) \*

Shakya, Rodesha (English-Creative and Professional Writing – Co-operative Program)

**Shofu, Saheed Oladimeji** (Liberal Studies – Philosophy Minor) \*

Singh, Indpreet (Legal Studies & Honours Arts and Business – Co-operative Program) \*

**Sroya, Navdeep Kaur** (Psychology & Honours Arts and Business)

**Stahl, Harrison Gerald** (Sociology & Honours Arts and Business – Co-operative Program) <sup>†</sup>

**Steeves, Tamara Breann** (History & Honours Psychology)

Suleiman, Khalid (Political Science & Honours Arts and Business – Co-operative Program) \*

**Tailor, Meenal** (Psychology – Human Resources Management Minor)

**Tela, Maija** (French – Professional French Specialization – Legal Studies Minor)

Thielmann, Annetta Mackenzie (Social Development Studies & Honours Psychology – Co-operative Program)

**Thomson, Laura C** (Psychology – Research Intensive Specialization – Social Development Studies Minor – Co-operative Program) <sup>†</sup>

Tian, Qinsha (Psychology) †

**Tiwari, Yana** (Economics – Finance Specialization & Honours Arts and Business – Co-operative Program)

**Toman, Maariya** (Psychology – Research Intensive Specialization)

Trinh, Kimberly (Psychology – Sociology Minor)

Uthayakumar, Nilayni (Psychology) \*

Vanpopic, Vanessa (Legal Studies & Honours Arts and Business – Sociology Minor – Co-operative Program) †

† – Dean's Honours

**Vu, Nga Phuong** (Social Development Studies – Social Work Specialization) <sup>†</sup>

**Wang, Daniel** (Sexuality, Marriage, and Family Studies)

Wang, Jinming (Economics)

**Wang, Mary** (Psychology - Research Intensive Specialization) \*

**Weicker-O'Connor, Tatum** (Sociology)

White-Chiteta, Jelani (Political Science – Economics Minor)

**Woodend, Kyra Michaela** (Philosophy – Cognitive Science Minor)

Xia, Ruier (Economics)

**Xithalis, Stylianos Prodromos** (Legal Studies – Co-operative Program)

**Xu, Xiaolong** (Economics – Finance Specialization) <sup>†</sup>

**Yang, Fuxuan** (Psychology – Co-operative Program) †

Yang, Jingyi (Psychology) †

**Yu, Dan Ping** (Communication Art and Design Practice)

Yusuf, Zainab Ayomide (Psychology – Research Intensive Specialization – Legal Studies Minor) <sup>†</sup>

Zhang, Lindi (Legal Studies & Honours Arts and Business – Sociology Minor – Co-operative Program)

**Zhao, Duoduo** (Economics – Co-operative Program)

Zhu, Ziying (Psychology)

**Zimmermann, Naomi Eleanor** (Psychology – Legal Studies Minor)

#### BACHELOR OF GLOBAL BUSINESS AND DIGITAL ARTS

#### HONOURS PROGRAM

Almario, Juliann Rivera Doost, Rod Duong, Megan † Garcia, Mikayla Lopez (Psychology Minor) † Gonzalvo, Jaimie Anne Nicolas \* Kashir, Reem Mansour \* Lake, Sophie Julia † Lee, Christopher Sunjae \* Lo, Christina Katherine

MacMillan, Caeden Charles

Wu, Chieh-Lun \*

Yu, Jacquelyn †

#### **DIPLOMA IN BLACK STUDIES**

Reynolds, Micah Khalil Zion

#### **DIPLOMA IN CREATIVE WRITING**

Durocher, Bryn Isabella

#### **DIPLOMA IN FRENCH LANGUAGE I**

Arriesgado, Lizzet Carranza Gillis, Bryanna Mary Elizabeth

#### DIPLOMA IN FRENCH LANGUAGE II

Carroll-Woolery, Janna Dominique Zhou, Victor

#### DIPLOMA IN FUNDAMENTALS OF ANTI-RACIST COMMUNICATION

Reynolds, Micah Khalil Zion

#### DIPLOMA IN GERMAN LANGUAGE

Gummow, Gareth Jaeme Jack

#### **DIPLOMA IN HEALTH HUMANITIES**

Alemany, Sarah Ellen

#### **DIPLOMA IN JAPANESE LANGUAGE I** Zhu, Ziying

#### DIPLOMA IN JAPANESE LANGUAGE II

Carroll-Woolery, Janna Dominique

\* – Distinction † – Dean's Honours

# Outstanding achievements

#### FACULTY OF ARTS

#### **MEDALS AND AWARDS**

## FINALIST FOR THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

**Doctoral** Alexi Orchard

### FINALIST FOR THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Master's Aparajita Bhattacharya



# AFTERNOON CEREMONY

Degrees and diplomas from:

UNIVERSITY OF WATERLOO FACULTY OF ENGINEERING

# Graduate degrees

FACULTY OF ENGINEERING

#### **DOCTOR OF PHILOSOPHY**

AbdulHussein, Ali (Management Sciences)

"The Use of Data Analytics to Analyze Various Behaviors During the COVID-19 Pandemic"

Alshamsi, Ghaith Abdulrahman (Civil Engineering)

"Numerical and Experimental Investigation of Higher Capacity Cold Formed Steel Shear Walls"

**Arora, Hemant** (Civil Engineering -Water)

"Biofiltration for Manganese Removal From Groundwater: Mechanistic Insights and Operational Strategies"

Awad, Omar A. H. (Mechanical and Mechatronics Engineering) "Design and Enhancement of Fiber Optic Evanescent Wave LSPR-Based Biosensor Fabricated Via Self-Assembled Silver Nanoparticles for Salivary Cortisol Detection"

Azqadan, Erfan (Mechanical and Mechatronics Engineering) "Application of Machine Learning Modeling in Establishing the Process, Structure, and Property Relationships of the Cast-Forged AZ80 Magnesium Alloy"

#### Badawy, Mahmoud Hamdy Ali Hassan

(Civil Engineering - Water) "Investigation of the Interrelationships Between Orthophosphate Corrosion Inhibitors, Monochloramine Residual, Biofilm Development, and Nitrification in Chloraminated Drinking Water Distribution Systems"

#### Bauman, Lukas Alexander

(Chemical Engineering) "Photopolymerization Based 3D Printing of Thermoresponsive Hydrogel Precursors"

Ben Ayed, Ahmed (Electrical and Computer Engineering) "Compensation of Impairments in Millimeter-Wave/Sub-THz Power Amplifier and Frequency Multiplier Based Transmitters"

### **Chien, Michelle Yong Xin** (Civil Engineering)

"Development of Improved Methods to Establish Toughness Requirements for North American Steel Highway Bridges" **Ding, Shuyu** (Electrical and Computer Engineering) "Optical Method for Antenna Near-Field Sensing"

#### Elmalky, Adham Mahmoud Zaki

**Mohamed** (Mechanical and Mechatronics Engineering) "Optimizing Heat and Algal Biomass as Renewable Energy Sources in Building Façade Systems"

**Ero, Osazee Ewaen** (Mechanical and Mechatronics Engineering) "In-Situ Monitoring and Quality Assurance Algorithms for Laser Powder-Bed Fusion Using Optical Tomography"

Farhat, Ilyas (Electrical and Computer Engineering) "Multi-Area Architecture for Real-Time Feedback-Based Optimization of Distribution Grids"

Fernandes, Keegan Aaron (Electrical and Computer Engineering) "Social-Influence-Based Control of Voluntary-Behaviour Adoption in Small Groups Using Agent-Based Modelling"

**Gharamohammadi, Ali** (Mechanical and Mechatronics Engineering) "A Radar-Based In-Cabin Health Monitoring System"

#### Ghorbani Koltapeh, Atefeh

(Electrical and Computer Engineering - Nanotechnology) "Investigating the Root Causes of the Low Electroluminescence Stability of Upright Blue Quantum Dot Light-Emitting Devices"

### **Gilak Hakimabadi, Seyfollah** (Civil Engineering - Water)

"An Investigation of Factors Affecting the Adsorption of Per- and Polyfluoroalkyl Substances (PFAS) on Colloidal Activated Carbon (CAC): Implications for In-Situ Immobilization of PFAS"

**Goyal, Anshul** (Electrical and Computer Engineering) "Emerging Electricity Markets: Including New Energy Storage Technologies & Integrating DERs via ISO-DSO Coordination"

Hadagali, Prasannaah (Mechanical and Mechatronics Engineering) "Assessing the Tissue-Level Response and the Risk of Neck Pain in Rotary-Wing Aircrew Using a Finite Element Model of the Neck"

#### Haghayegh Khorasani, Seyedeh Sara

(Chemical Engineering) "Investigating the Influence of Bacterial Cell Characteristics on M13 Phage Infection Process"

Han, Lian (Chemical Engineering – Nanotechnology) "Sustainable Antimicrobial Nanocomposites Using Functionalized Cellulose Nanocrystals"

Han, Mei (Chemical Engineering) "Vanadium-Based and Manganese-Based Cathode Material for Rechargeable Aqueous Zinc-Ion Batteries"

#### Howarth, Julian Craig Peter

(Mechanical and Mechatronics Engineering) "Variable-Speed and Multi-Mode Solar Assisted Heat Pumps: System Design and Controls Development"

Hu, Wenhan (Electrical and Computer Engineering) "Fabrication of Silicon Out-of-Plane Microneedles for Potential Drug Delivery and Interstitial Fluid Extraction"

#### Ibrahim, Mai Mahmoud Hassan Salem

(Electrical and Computer Engineering) "A Novel PLC Front-Haul for 5G IoT Indoor Communication Using Split C-RAN Architecture"

#### Jahangir, Mohammad Sina (Civil Engineering)

"Deep Learning-Based Probabilistic Hierarchical Reconciliation for Hydrological and Water Resources Forecasting"

### **Jiao, Yan** (Electrical and Computer Engineering)

"A Novel Framework of Board-Level Failure Localization in Optical Transport Networks"

#### Lakshminarasimman Meanakshi

Se, Narasimman (Civil Engineering - Water) "Investigating the Impacts of Upgrading a Full-Scale Conventional Activated Sludge Process With a Hybrid Membrane Aerated Biofilm Reactor"

Laven, Kevin (Systems Design Engineering) "Practical Application of Machine Learning to Water Pipe Failure

Prediction"

**Le, Van Nham** (Electrical and Computer Engineering) "Verifying Explanations for Neural Networks"

**Lee, Peter Qiu Jiun** (Systems Design Engineering) "Autonomous Robotic System Conducting Nasopharyngeal Swabbing"

Li, Eugene King-Ho (Mechanical and Mechatronics Engineering) "Anomaly Detection in CNC Milling Machines Using Transfer and Incremental Ensemble Learning of LSTM Autoencoder Networks"

Li, Yue (Civil Engineering) "Direct Method of Generating Floor Response Spectra for Structures Considering Soil-Structure Interaction"

Liao, Lizhi (Electrical and Computer Engineering)

"Addressing Performance Regressions in DevOps: Can We Escape From System Performance Testing?"

Manouchehri, Ramin (Mechanical and Mechatronics Engineering) "Predicting Energy Savings Associated With Falling-Film Drain Water Heat Recovery Systems in Residential Buildings"

McClure, Jeffrey Ernest John (Mechanical and Mechatronics Engineering)

"Physics-Based Pressure Field and Fluid Forcing Inference for Cylindrical Bluff Body Experiments"

Nemani, Kirti Srimani (Civil Engineering - Water) "Evaluation and Improvement of Robustness in Drinking Water Treatment Systems to Manage Turbidity- and Natural Organic Matter (NOM)-Related Water Quality Upsets During Extreme Weather Events"

Rahmanian, Sasan (Systems Design Engineering - Nanotechnology) "Modal Interaction in Electrostatic MEMS Mirrors"

#### Ramachandran, Dileep Chandran

(Mechanical and Mechatronics Engineering) "Development and Influence of

Fusion Boundary Microstructure on Resistance Spot Welds in 3rd Generation Advanced High Strength Steels"

#### Reginald, Niraj Niranjan

(Mechanical and Mechatronics Engineering) "Mobile Robot Positioning via Visual and Inertial Sensor Fusion"

Ripsman, Danielle Atara

(Management Sciences) "Large-Scale Optimization Approaches for Radiation Therapy" Senez, Peter (Mechanical and Mechatronics Engineering) "An Examination of Escape Times in a Mock Residential Test House by Analyzing Smoke Filling and Detection Times for Couch Fires in a Living Room"

Shushtari, Seyed Mohammad (Mechanical and Mechatronics Engineering) "Enhancement of Human-Robot Physical Interaction in Lowerlimb Exoskeletons"

Shuvra, Shaeera Rabbanee (Electrical and Computer Engineering) "High-Q On-Chip Passive Components and Low-Phase-Noise CMOS Bridge Oscillator Design"

Tran, Manh Kien (Chemical Engineering) "Improving Lithium-Ion Battery Management Systems Using Equivalent Circuit Models, Cloud Platforms, and Machine Learning Estimation Techniques"

**Vediramana Krishnan, Hari Govind** (Electrical and Computer Engineering) "Towards Scalable Fully Automatic Program Verification"

Wang, Zhongling (Electrical and Computer Engineering) "Image Quality Assessment and Refocusing With Applications in Whole Slide Imaging"

Wright, Kirsten (Systems Design Engineering)

"Financialization of the Housing Market: A Contribution to Modern Urban Rent Theory"

Zhang, Yatian (Chemical

Engineering) "Rational Design of Engineered Porous Transition Metal-Based Electrocatalysts for Rechargeable Zinc-Air Batteries"

**Zheng, Shuo** (Mechanical and Mechatronics Engineering) "Defect Engineering in Metal Oxide Through Laser Irradiation"

#### **MASTER OF APPLIED SCIENCE**

**Ajami, Sahand** (Mechanical and Mechatronics Engineering)

Ashirwadam, Anik (Chemical Engineering)

**Ayyamperumal, Cibi Chakravarthy** (Civil Engineering)

**Balaji, Bavesh** (Systems Design Engineering)

**Biswal, Aniket** (Management Sciences)

**Biswas, Subhamoy** (Electrical and Computer Engineering)

**Boreiri, AmirHossein** (Electrical and Computer Engineering)

**Braimah, Maltiti Katale** (Mechanical and Mechatronics Engineering)

**Bright, Jerrin** (Systems Design Engineering)

**Brubacher, Neil Curtis** (Systems Design Engineering)

**Chai, Matthew Karson** (Mechanical and Mechatronics Engineering)

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

**Choi, Hanyoung** (Chemical Engineering - Nanotechnology)

**Cunanan, Carlo James** (Chemical Engineering)

**De Schaetzen, Rodrigue** (Electrical and Computer Engineering)

**Dinh, Minh Hao** (Mechanical and Mechatronics Engineering)

**Ellag, Menatalla Khaled** (Systems Design Engineering)

Elorza Casas, Carlos Andres (Chemical Engineering)

Fallah, Kasra (Electrical and Computer Engineering)

Fang, Xiang (Electrical and Computer Engineering)

**Feng, Yijing** (Electrical and Computer Engineering)

**Fortin, Thomas** (Systems Design Engineering)

**Ghaedyheidary, Ensieh** (Management Sciences)

**Ghanaatpishehsanaei, Ghazaleh** (Chemical Engineering)

**Ghodrati, Shahrzad** (Chemical Engineering)

**Gopalakrishnan, Dhruv** (Electrical and Computer Engineering -Quantum Information)

**Gousseau, Zacharie** (Systems Design Engineering)

Hakim, Rami (Mechanical and Mechatronics Engineering)

Hallett, Bradley Thomas Morley (Management Sciences)

Hanks, Geoffrey Takeshi (Mechanical and Mechatronics Engineering)

**He, Zhuoyang** (Electrical and Computer Engineering)

Hillcoat, Sophie Rachel (Mechanical and Mechatronics Engineering)

Jarvis-Frain, Benjamin Douglas (Electrical and Computer Engineering - Quantum Information)

**Joshi, Arnav** (Mechanical and Mechatronics Engineering)

**Kaai, Kimathi** (Systems Design Engineering)

Kapar, Sparsh (Electrical and Computer Engineering -Nanotechnology)

Kaur, Mavjot (Civil Engineering)

**Keung, Jessica May Ting** (Civil Engineering)

**Lazoja, Ilir** (Systems Design Engineering)

Lee, Jun Seo (Civil Engineering)

Lehmann Skelton, Christopher Gilbert (Civil Engineering)

Li, Jiaqing (Chemical Engineering)

Mardukh Rouhani, Farzaneh (Management Sciences)

Masters, Benjamin Pierce (Systems Design Engineering)

Mehta, Kavish Rupeshkumar (Electrical and Computer Engineering)

**Murugan, Anand** (Systems Design Engineering)

**Ng, Nathan Yin Hang** (Mechanical and Mechatronics Engineering)

Ogunbanjo, Babajide Babatunde Oluyomi (Civil Engineering)

**Parkin, Julian Thomas** (Electrical and Computer Engineering)

**Parsana, Brijesh Jaysukhbhai** (Mechanical and Mechatronics Engineering)

**Pieters, Kyle Zachary** (Chemical Engineering)

Pinargote Torres, Johanna Alejandra (Civil Engineering)

Rasmussen, Nicholas Owen Derrick (Chemical Engineering)

Riad, Michael Moheb Youssef Rizk (Electrical and Computer Engineering)

Salehi, Amir Reza (Civil Engineering) Salib, Philopatear Ashraf (Mechanical and Mechatronics Engineering)

Sankararaman, Ahalya (Electrical and Computer Engineering)

Savage, Jordan Andrew (Mechanical and Mechatronics Engineering)

Schneider, Adam Edward (Civil Engineering - Water)

**Seeburrun, Tanvi** (Mechanical and Mechatronics Engineering)

**Shao, Hanying** (Electrical and Computer Engineering)

**Shariatmadari, Khatereh** (Systems Design Engineering)

#### Shaw, Justine Alexi Ramone (Electrical and Computer Engineering)

**Tino, Matthew Peres** (Chemical Engineering)

**Torabian, Parsa** (Systems Design Engineering)

Tuer, Steven Kevin (Mechanical and Mechatronics Engineering)

**Umpaipant, Wachirawit** (Systems Design Engineering)

**Vasanji, Sahad** (Chemical Engineering)

**Veugen, Jenna Rose** (Systems Design Engineering)

Wang, Ruoxu (Electrical and Computer Engineering)

Wang, Xinzhe (Electrical and Computer Engineering)

**Wong, Ka Ho** (Chemical Engineering -Nanotechnology)

**Xu, Jianxiang** (Mechanical and Mechatronics Engineering)

**Ye, Linfeng** (Electrical and Computer Engineering)

**Zhong, YuFang** (Chemical Engineering)

#### **MASTER OF ARCHITECTURE**

Billa, Anmol (Co-operative Program) Chi, Aurora Xiaozhu

**Chiu, Adrian** (Co-operative Program)

**Crowder, Jordan Gilbert** (Co-operative Program)

**Gordon, Landers Chaplin** (Co-operative Program)

**Gregorio, Nurielle Ann** (Co-operative Program)

Jegatheeswaran, Nilojan Kholodova, Janna Lee, Chiun Lesage Fongue, Cassandra Naimi Park, Kyung In Salama, Ali Si, Yue (Co-operative Program) Sigouin, Yannik Maxim

Supryka, Anna Rose

Varikuti, Likhitha (Water)

Won, Meghan Tatiana

Wong-Chun-Sen, Matthew Nicolas (Co-operative Program)

#### MASTER OF BUSINESS, ENTREPRENEURSHIP & TECHNOLOGY

Abbas, Aly Adefarakan, Adedayo Adetunji, Oluwaseun Agada, Aileen Chinwe Al Thani, Ahmed A ALEFRANJI, MUTAZ TALAL Alhamawi, Sarah Azim, Muztahid Batabyal, Dipali Ben Ammar, Youssef Butt, Minaal Ghotra, Mahima Kaur GOPALASWAMY, KALPANA Haroon, Syed Muhammad Hamza Huang, Leping Irwin, Sarah Ismail, Hisham Itua, Itohansose Elaine Kariyappa Manjula, Vinay Konlan, Lydia Madintin Li. Kailimi Mahmood, Javeria Mansy, Fady Martins Gomes, Daniel Luis Nasir, Munib Natekar, Pavan Vasanth Nazareth, Ralon Omani, Ojonugwa Clare Orcutt, Courtney Rea Patel. Neer Pause, Angela Eileen Ramesh, Jesurun Jedidiah Sarfare, Avnee Sritharan, Theepiga Stepanyan, Arsen Thakkar, Aditya Prakashbhai Tjendra, Jan Michael Xu, Chang Ye, Shang Zhang, Linlu Zhang, Yiqiong Zhou, Wanting

#### **MASTER OF ENGINEERING**

**Ahmad, Faizan** (Systems Design Engineering)

Alhashedi, Salah Saleh (Electrical and Computer Engineering)

**Ansari, Talha Irfan** (Electrical and Computer Engineering)

Asadi, Parham (Civil Engineering)

**Ashok, Bhavya** (Systems Design Engineering)

**Aziz, Nasif Mostafa** (Electrical and Computer Engineering - Electric Power Engineering)

**Baheti, Akshat** (Electrical and Computer Engineering)

**Bakhshi, Silvi Sandeep** (Electrical and Computer Engineering)

**Bakhtiyar, Aizah** (Systems Design Engineering)

Balasubramanian, Shweta Poorani (Electrical and Computer Engineering)

Bangalore Suresh, Shreyas (Electrical and Computer Engineering – Co-operative Program)

**Batra, Amandeep Singh** (Civil Engineering)

**Bir, Paarth** (Electrical and Computer Engineering)

**Bu, Yinyouyang** (Electrical and Computer Engineering)

**Cai, Yuchen** (Electrical and Computer Engineering)

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

**Chen, Haopu** (Electrical and Computer Engineering – Co-operative Program)

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

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

**Choi, Chong Hou** (Electrical and Computer Engineering)

**Chow, Daniel Kwun Han** (Electrical and Computer Engineering - Electric Power Engineering)

**Chu, Gang** (Systems Design Engineering)

**Cyriac, Jisa** (Electrical and Computer Engineering)

**Cyriac, Sija** (Electrical and Computer Engineering)

**Damlakhi, Beshr** (Electrical and Computer Engineering)

**Dinesh, Aashritha** (Electrical and Computer Engineering – Co-operative Program)

**Dufresne, Adam** (Electrical and Computer Engineering – Electric Power Engineering)

**Ezekwe, Joseph Echezonachi** (Electrical and Computer Engineering)

**Gandhi, Bhuvan Mayurbhai** (Electrical and Computer Engineering)

**Ganne, Keerthi Sree** (Electrical and Computer Engineering)

**Gill, Ajaypal Singh** (Electrical and Computer Engineering)

**Guo, Zhenyu** (Systems Design Engineering)

Halvadia, Tirth Kalpesh (Electrical and Computer Engineering)

**He, Zhiliu** (Systems Design Engineering)

#### Heidarzadeh, Narges Heidarzadeh Esfahani (Civil Engineering)

Heshami, Kamran (Electrical and Computer Engineering - Electric Power Engineering)

Jafri, Syed Talal Abbas (Electrical and Computer Engineering)

Jere, Rohit Hemant (Electrical and Computer Engineering)

Kakadiya, Dhaval Sureshbhai (Mechanical and Mechatronics Engineering)

**Kapoor, Ayush** (Electrical and Computer Engineering)

**Karmani, Sachin** (Electrical and Computer Engineering)

**Khosa, Jaskaran Singh** (Civil Engineering)

**Kim, Do Heon** (Electrical and Computer Engineering – Co-operative Program)

**Krishna, Abhith** (Electrical and Computer Engineering)

Krishna, Kabiir (Electrical and Computer Engineering)

Krishnamoorthy Murali, Harish (Systems Design Engineering)

Kukreja, Yashvardhan (Electrical and Computer Engineering)

Kumarasamy, Kishore (Electrical and Computer Engineering)

**Lai, Siu Pang Joshua** (Civil Engineering)

Lai, Te (Systems Design Engineering)

**Lau, Sophia** (Electrical and Computer Engineering – Electric Power Engineering)

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

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

**Li, Yuhao** (Systems Design Engineering)

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

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

**Liu, Shiyu** (Systems Design Engineering)

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

Luthra, Raghav (Electrical and Computer Engineering)

**Ma, Delin** (Electrical and Computer Engineering)

**Ma, Yichun** (Electrical and Computer Engineering)

#### Manapragada, Sai Krishna

**Sandeep** (Electrical and Computer Engineering – Co-operative Program)

**Manoj, Aiswaryalakshmi** (Electrical and Computer Engineering)

**Mao, Hongyu** (Electrical and Computer Engineering)

Matroja, Seturaj Pradumansinh (Electrical and Computer Engineering)

**Mustafa, Najia** (Electrical and Computer Engineering)

Nagle, Aleia Maeve (Civil Engineering)

Narang, Shreya (Electrical and Computer Engineering)

**Ode, Everest** (Electrical and Computer Engineering)

Oladejo, Oluwatosin Mercy (Electrical and Computer Engineering)

**Pahuja, Pulkit** (Electrical and Computer Engineering)

**Panchal, Urja Nirmish** (Electrical and Computer Engineering)

**Parikh, Dhairya Atit** (Electrical and Computer Engineering)

**Patel, Heer Mayankkumar** (Electrical and Computer Engineering)

**Patel, Keval** (Mechanical and Mechatronics Engineering)

**Patel, Nidhi Vasantbhai** (Electrical and Computer Engineering)

Patel, Riyank Sanjaybhai (Electrical and Computer Engineering – Co-operative Program)

**Patel, Shilpkumar Mukeshbhai** (Civil Engineering)

**Patel, Soham Pareshbhai** (Electrical and Computer Engineering)

**Peng, Yu** (Electrical and Computer Engineering)

**Proudfoot, Andrew** (Systems Design Engineering)

**Qiu, Billy** (Electrical and Computer Engineering)

**Rajukannan Suresh, Guruprasanna** (Electrical and Computer Engineering – Co-operative Program)

Ramakrishnan, Narayanan (Electrical and Computer Engineering – Co-operative Program)

**Ramani, Vatsal Nitinkumar** (Civil Engineering)

**Raval, Rushi** (Electrical and Computer Engineering)

Raza, Ammar (Civil Engineering) Saju, Aman (Civil Engineering) Sanghvi, Jash Nilesh (Civil Engineering)

Sankaran, Giridharan (Electrical and Computer Engineering)

Sayeeganesh Chettiar, Mukund (Electrical and Computer Engineering – Co-operative Program)

**Sehgal, Karan** (Electrical and Computer Engineering)

Shah, Isha Amishbhai (Electrical and Computer Engineering)

Shah, Yash Jaldip (Civil Engineering)

**Shakkhar, Maksudul Mannan** (Electrical and Computer Engineering)

Shanmuga Anandham, Yuvasri (Electrical and Computer Engineering)

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

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

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

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

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

Tabak, Mark (Electrical and Computer Engineering)

Tan, Zhuo Fu (Electrical and Computer Engineering)

Tang, Guangwei (Electrical and Computer Engineering)

Thind, Jobanpreet Singh (Electrical and Computer Engineering)

Thomas, Jobby Mathew (Civil Engineering)

Vashisth, Ayushi (Electrical and Computer Engineering)

**Vegunta, Tanishka** (Electrical and Computer Engineering)

**Verma, Amber** (Electrical and Computer Engineering)

**Verma, Manik** (Electrical and Computer Engineering)

**Wang, Haoxun** (Systems Design Engineering)

Wang, Haoyang (Civil Engineering)

**Wang, Herui** (Systems Design Engineering)

Wang, Luwen (Electrical and Computer Engineering)

**Wang, Ting** (Electrical and Computer Engineering - Electric Power Engineering) Wang, Yidan (Electrical and Computer Engineering)

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

**Wang, Zewei** (Systems Design Engineering)

**Wang, Zijuan** (Systems Design Engineering)

**Wei, Yaoxuan** (Electrical and Computer Engineering – Co-operative Program)

**Wen, Diya** (Electrical and Computer Engineering)

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

**Xia, Yu** (Electrical and Computer Engineering)

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

Yadav, Sushilkumar Rajbahadur (Electrical and Computer Engineering – Co-operative Program)

Yang, Yifei (Civil Engineering)

Yasir, Abiwaqas (Electrical and Computer Engineering)

**Ye, Beilin** (Systems Design Engineering)

**Yin, Pengyu** (Electrical and Computer Engineering)

**Yun, Zongyang** (Systems Design Engineering)

**Zhang, Yuyang** (Systems Design Engineering)

**Zhao, Jie** (Electrical and Computer Engineering)

**Zhong, Zijie** (Systems Design Engineering)

**Zhou, Xuecheng** (Electrical and Computer Engineering)

**Zhu, Gangfeng** (Electrical and Computer Engineering)

**Zhu, Jiayuan** (Electrical and Computer Engineering)

**Zhu, Zekun** (Electrical and Computer Engineering)

**Zia, Abdullah Mohammed** (Systems Design Engineering)

#### MASTER OF MANAGEMENT SCIENCES

**Simranpal Kaur** (Co-operative Program)

Ali, Abdul Munem Ali, S Wajahat Ashraf, Shakeel Balooni, Rhythm Baskaran, Balambika Bhure, Aishwarya Fisher, Samuel Hasket (Co-operative Program) Gu, Yingyi Khan, Aleem Kirk Lin, Ying Liu, Jie Masekar, Helli Bharatkumar Meraj, Fadil Merchant, Ali Zain Razi Jaffar Na, Manish Ng, Pui Kwan Sandhu, Ekjot Savant, Karishma Vivek Shakil, Talal Sharma, Ishita Shujjat, Ali Mohammed Siong Sin, Aurelie Foong-Chin Yin, Yijin Zhu, Sirui Zuo, Tingyun

#### **GRADUATE DIPLOMA**

Ashraf, Shakeel (Data Analytics) Baskaran, Balambika (Data Analytics) Fisher, Samuel Hasket (Data

Analytics) Liu, Jie (Data Analytics) Shakil, Talal (Data Analytics) Yin, Yijin (Data Analytics)

#### **GRADUATE CERTIFICATE**

**Ranjan, Shubham** (University Teaching)

# Undergraduate degrees

FACULTY OF ENGINEERING

#### **BACHELOR OF APPLIED SCIENCE**

**Abdulaziz, Ameena** (Mechatronics Engineering)

Ahmed, Hasib (Civil Engineering – Structural Specialization & Transportation Specialization)

Ali, Malak (Systems Design Engineering/Computing Option & Management Sciences Option) \*

**An, Daniel Soobin** (Computer Engineering) \*

Atanasov, John Daniel (Mechatronics Engineering)

**Bedi, Jasraj Singh** (Computer Engineering) \*

**Bennett, Jude Winter** (Mechanical Engineering/Computer Engineering Option) \*

**Bisutti, Samuel John** (Mechatronics Engineering) \*

**Brake, Owen Stewart** (Mechatronics Engineering) \*

**Chen, Hsuan Kai** (Geological Engineering – Hydrogeology Specialization)

**Chen, Miao Yu** (Nanotechnology Engineering)

Daneyko, Isabella Kathleen (Biomedical Engineering/Computing Option)

**Dauletov, Timur** (Computer Engineering/Artificial Intelligence Option) \*

**Dhawan, Vaibhav** (Systems Design Engineering/Computing Option)

Elrefaei, Omar Hatem (Nanotechnology Engineering)

**Gao, Zhijie** (Chemical Engineering – Materials and Manufacturing Processes Specialization/ Management Sciences Option) \*

**Goodarzi, Samyar** (Computer Engineering)

Hall, Jessica Deanna (Mechanical Engineering – Welding and Joining Specialization/Entrepreneurship Option)

Hu, Peisen (Computer Engineering) \*

Huang, Andy (Computer Engineering) \*†

**Jin, Haoning** (Computer Engineering) \*

#### Khalid, Muhammad Taha (Mechatronics Engineering)

Kwan, Nathania Mo-Ching (Chemical Engineering)

Lewis, Troy (Chemical Engineering – Energy and Environmental Systems and Processes Specialization) \*

**Liu, Liahng Jyun** (Computer Engineering)

**Lyon, Samuel Kusniadi** (Architectural Engineering – Building Structures Specialization)

**Meng, Kevin** (Mechanical Engineering) \*

**Mighton, Eric Bruce** (Environmental Engineering)

Mills, Stephanie Joy (Management Engineering/Computing Option)

**Mohammedally, Ayesha** (Systems Design Engineering/Mechatronics Option & Computing Option)

Njila Talla, Dimitri Arthur (Chemical Engineering)

**Park, William** (Computer Engineering) \*

**Rajkumar, Athithian** (Computer Engineering) \*

**Saleh, Adib** (Nanotechnology Engineering)

**Sariyildiz, Cihan** (Computer Engineering) \*

**Singh, Aakash Anand** (Mechatronics Engineering)

Tao, Nicole (Mechatronics Engineering)

Tauqir, Mohammed (Chemical Engineering – Chemical Process Modelling, Optimization and Control Specialization/Management Sciences Option) \*

**Tesqie, Waseem** (Mechatronics Engineering)

Thero, Daniel Blair (Computer Engineering) \*

**Vu, Hoang Khue** (Mechatronics Engineering)

**Vuong, Justin** (Computer Engineering)

Yun, Soeun (Electrical Engineering/ Mechatronics Option & Entrepreneurship Option) \*

#### BACHELOR OF ARCHITECTURAL STUDIES

#### HONOURS PROGRAM

Abdollahi Alirezaei, Romelia Aggarwal, Manav Balano, Bernice \* Bhuiyan, Madiha Alam \* Bunina, Ulyana \* Cajic, Mia \*† Cao, Nicole Xuening \*† Chan, Nicole Chiffon \* Chen, Jason \* Chen, Kari \* Correa, Samuel \* Davidson, Natalie Michelle Christine De Vasconcelos Ricci, Luca Aurelio \* Dharma, David Alexander Doyi, Alexander Michael \*† Du, Vivian \* Fera, Adrien Michelle \* Giammarco, Marisa Mae \* Gu, Jamie Hee Jae Haddy, Candace Daina \* Heipel-Bolger, Alisha Ann Hoque, Jarin Shukanna \* Ieraci, Isabella Angela \* Ivic-Williams, Xanades Jiang, Juliana \* Khairi-Arancibia, Nasrine Khamar, Dhruvi \* Kiriwattuduwa, Narani Emilia \* Kong, Jessica Fan Jia \*† Lai, Julian Jeun Yin Lan, Shan \* Liu, Lilian Xi Yue \* Liu, Ruby Jia Xue \* Lyboun, Sandra \* Ma, Grace \*† Ma, Mingyuan Benjamin \* Mangat, Simar \* Mathew, Rebecca Sara Mazzacca, Larissa Lauren \*

 <sup>\* –</sup> With Distinction
† – Dean's Honours List

Moraru, David \* Nazer, Falak Khalid Walid \* Oosthuizen, Omar Ludwig Palmer, Miriam Clara Rolfe \*† Patel, Isha \* Polera, Jordana Anna Maria Lavinia \* Puri, Juhi \*† Roberts, Matthew William Clarke \* Roberts, Meaghan Victoria \*† Rueb, Lauren Joy \*† Saha, Adri Anupam \* Son, Seohyun Steppuhn, Maxwell Paul \*† te Bokkel, Clay Anthony \* Torshizi, Roxana Neggar \* Vilela, Nathan Andrew \* von Büren, Lena Mariella \* Wang, Annie Xiaoyun Yang, Eva \* Yang, Ke (Philosophy Minor) \* Yu, Alison Ming Wai Yuen, Neli Hoi Man \*† Zeng, Celia Lin \* Zhou, Victoria \* Zhu, Fangyuan

#### BACHELOR OF SOFTWARE ENGINEERING

## HONOURS CO-OPERATIVE PROGRAM

Geng, Matthew Haojun \* Ling, Bryan JunYi \* Wang, Andrew

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

# Outstanding achievements

#### FACULTY OF ENGINEERING

#### **MEDALS AND AWARDS**

THE UNIVERSITY OF WATERLOO ALUMNI GOLD MEDAL

Outstanding academic performance in a Master's program Chi-En Amy Tai (Spring 2024)

# 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/alumni-gold-medals

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

# Our tradition of regalia

#### THE GOWN

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

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

### THE HOOD

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

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

# Academic dress

### **BACHELOR'S**



Bachelor of Accounting and Financial Management Applied Science



Digital Arts





Bachelor of Architectural

Studies



 $\overline{\phantom{a}}$ 

Bachelor of Arts



Bachelor of

Computer Science







Studies



Software Engineering

### **PROFESSIONAL DOCTORATE**

Integration







### **MASTER'S**



Accounting



Master of

Master of

Kinesiology

Master of

Public Service



Master of Architecture





 $\bigtriangledown$ 

Master of Environment

and Business





Climate Change



Artificial Intelligence

Master of

Health Evaluation

Master of Development Practice

Master of Health

Informatics

Master of Public Health



Master of Management Sciences



Master of Mathematics  $\bigtriangledown$ 

Master of

Science

Master of

Engineering

 $\bigtriangledown$ 







Master of

Environmental

Studies



DOCTORAL

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Planning





Divinity



Engineering







Letters







Doctor of Environmental Studies

Laws

Doctor of

Taxation



Master of Fine Arts



















Master of Social Work





Master of Mathematics for Teachers











Master of Peace and Conflict Studies







**HONORARY DOCTORATE** 





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