

# UVIC

2021-2022 **GRADUATE VIEWBOOK** 



We acknowledge with respect the Lekwungen peoples on whose traditional territory the University of Victoria stands, and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.



PhD student Jasmine Dionne works with the Cree, Métis, Chipewyan and Dene community of Saka Wiyiniwak to reimplement Indigenous legal principles addressing gender violence. She received a \$180,000 Pierre Elliott Trudeau Foundation Scholarship for her work.

# THE EDGE OF INNOVATION

Building on our strengths in environmental studies, earth and ocean sciences, and sustainable approaches to business and law, our programs make a difference to people, places and the planet. Newer graduate offerings reflect areas of emerging interest in neuroscience and the performing arts, while our deep commitment to professional programs launches and advances fulfilling careers.

To see if we have what you are looking for, see page 2 to 5 or visit [uvic.ca/grad/programs](http://uvic.ca/grad/programs).

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**3,140** GRADUATE STUDENTS CALLED UVIC HOME LAST YEAR

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**1041** INTERNATIONAL GRADUATE STUDENTS

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**234** INDIGENOUS GRADUATE STUDENTS

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# GRADUATE PROGRAMS

DEGREES AND CERTIFICATES	TERM ENTRY SEPT	TERM ENTRY JAN	TERM ENTRY MAY	DISTANCE OPTION
<b>BUSINESS</b>				
Master of Business Administration (Peter B. Gustavson School) (MBA)	●	●		
Master of Global Business (MGB)	●	●		
PhD in International Management and Organization (PhD)	●			
<b>EDUCATION</b>				
Master of Arts in Educational Studies (MA)	●		●	
Master of Education in Curriculum Studies (MA)	●		●	
Master of Education in Social, Cultural and Foundational Studies (MA)	●		●	
Master of Education in Art Education (MEd)	●		●	
Master of Education in Early Childhood Education (MEd)	●		●	
Master of Education in Language and Literacy (MEd)	●		●	
Master of Education in Mathematics, Science, Social Studies and Educational Technology (MEd)	●		●	
Doctor of Philosophy in Educational Studies (PhD)	●		●	
Graduate Certificate in Indigenous Language Revitalization			●	
Master of Education in Indigenous Language Revitalization (MEd)			●	
Master of Arts in Indigenous Language Revitalization (MA)			●	
Master of Arts in Kinesiology (MA)	●	●	●	
Master of Science in Kinesiology (MSc)	●	●	●	
Doctor of Philosophy in Kinesiology (PhD)	●	●	●	
Master of Arts in Physical Education (MA)	●	●	●	
Master of Education in Coaching Studies (MEd)	●	●	●	
Master of Arts in Counselling Psychology (MA)	●	●		
Master of Arts in Indigenous Communities Counselling (MA)	●	●		
Master of Education in Educational Psychology: Special Education (MEd)	●	●		
Master of Arts in Educational Psychology: Special Education (MA)	●	●		
Master of Education in Educational Psychology: Learning, Development and Instructional Sciences (MEd)	●	●		
Master of Arts in Educational Psychology: Learning, Development and Instructional Sciences (MA)	●	●		
Doctor of Philosophy in Educational Psychology (PhD)	●	●		
Master of Education in Leadership (MEd)	●	●		
Master of Arts in Leadership (MA)	●	●		
Doctor of Philosophy in Leadership Studies (PhD)	●	●		
<b>ENGINEERING</b>				
Master of Engineering in Mechanical Engineering (MEng)	●	●	●	
Master of Engineering in Electrical & Computer Engineering (MEng)	●	●	●	
Master of Engineering in Industrial Ecology (MEng)	●	●	●	
Master of Engineering in Telecommunications & Information Security (MEng)	●			
Master of Engineering in Applied Data Science (MEng)	●	●	●	
Master of Applied Science in Civil Engineering (MASc)	●	●	●	

DEGREES AND CERTIFICATES	TERM ENTRY SEPT	TERM ENTRY JAN	TERM ENTRY MAY	DISTANCE OPTION
Master of Applied Science in Mechanical Engineering (MASc)	●	●	●	
Master of Applied Science in Electrical & Computer Engineering (MASc)	●	●	●	
Master of Science in Computer Science (MSc)	●	●	●	
Doctor of Philosophy in Civil Engineering (PhD)	●	●	●	
Doctor of Philosophy in Mechanical Engineering (PhD)	●	●	●	
Doctor of Philosophy in Electrical & Computer Engineering (PhD)	●	●	●	
<b>FINE ARTS</b>				
Master of Arts in Art History and Visual Studies (MA)	●			
Doctor of Philosophy in Art History and Visual Studies (PhD)	●			
Master of Music in Performance (MMus)	●			
Master of Music in Composition (MMus)	●			
Master of Music in Music Technology (MMus)	●			
Master of Arts in Musicology (MA)	●			
Master of Arts in Musicology with Performance (MA)	●			
Doctor of Philosophy in Musicology (PhD)	●			
Master of Arts in Theatre (MA)	●			
Master of Fine Arts in Directing (MFA)	●			
Master of Fine Arts in Design/Production (MFA)	●			
Doctor of Philosophy in Theatre Studies (PhD)	●			
Doctor of Philosophy in Applied Theatre (PhD)	●			
Master of Fine Arts in Visual Arts (MFA)	●			
Master of Fine Arts in Creative Writing (MFA)	●			
<b>HUMANITIES</b>				
Master of Arts in English (MA)	●			
Doctor of Philosophy in English (PhD)	●			
Master of Arts in French Literature, Language & Culture (MA)	●			
Master of Arts in Germanic and Slavic Studies (MA)	●			
Master of Arts in Greek and Roman Studies (MA)	●			
Doctor of Philosophy in Greek and Roman Studies (PhD)	●			
Master of Arts in Hispanic Studies (MA)	●			
Master of Arts in Hispanic and Italian Studies (MA)	●			
Master of Arts in History (MA)	●			
Doctor of Philosophy in History (PhD)	●			
Master of Arts in Linguistics (MA)	●			
Master of Arts in Applied Linguistics (MA)	●			
Doctor of Philosophy in Linguistics (PhD)	●			
Master of Arts in Pacific and Asian Studies (MA)	●			
Master of Arts in Philosophy (MA)	●			
Doctor of Philosophy in Philosophy (PhD)	●			

# GRADUATE PROGRAMS

DEGREES AND CERTIFICATES	TERM ENTRY SEPT	TERM ENTRY JAN	TERM ENTRY MAY	DISTANCE OPTION
<b>HUMAN AND SOCIAL DEVELOPMENT</b>				
Master of Arts in Child and Youth Care (MA)	•	•		
Doctor of Philosophy in Child and Youth Care (PhD)	•	•		
Master of Science in Health Informatics (MSc)	•	•		•
Doctor of Philosophy in Health Informatics (PhD)	•	•		•
Master of Arts in Indigenous Governance (MA)	•			
Master of Nursing (MN)	•			•
Master of Nursing and Master of Science in Health Informatics (MN & MSc)	•			•
Doctor of Philosophy in Nursing (PhD)	•			•
Master of Public Administration (MPA)	•			•
Master of Arts in Community Development (MA)	•			•
Doctor of Philosophy in Public Administration (PhD)	•			•
Master of Public Health (MPH)	•			•
Graduate Certificate in Health Terminology Standards	•	•		•
Graduate Diploma in Public Health	•			•
Master of Social Work (MSW)	•			
Indigenous Nationhood Graduate Certificate (combined with an MA in Indigenous Governance)	•	•	•	
Graduate Certificate in Evaluation	•			
Graduate Diploma in Evaluation	•			
<b>LAW</b>				
Master of Laws (LLM)	•			
Doctor of Philosophy in Law (PhD)	•			
Indigenous Nationhood Graduate Certificate (combined with an LLM or PhD in Law)			•	
<b>MEDICAL SCIENCES</b>				
Master of Science in Neuroscience (MSc)	•	•	•	
Doctor of Philosophy in Neuroscience (PhD)	•	•	•	
<b>SOCIAL SCIENCES</b>				
Master of Arts in Anthropology (MA)	•			
Doctor of Philosophy in Anthropology (PhD)	•			
Master of Arts in Economics (MA)	•			
Doctor of Philosophy in Economics (PhD)	•			
Master of Arts in Environmental Studies (MA)	•			
Master of Science in Environmental Studies (MSc)	•			
Doctor of Philosophy in Environmental Studies (PhD)	•			
Master of Arts in Geography (MA)	•			
Master of Science in Geography (MSc)	•			
Doctor of Philosophy in Geography (PhD)	•			
Master of Arts in Political Science (MA)	•			
Doctor of Philosophy in Political Science (PhD)	•			
Doctor of Philosophy in Psychology (PhD)	•			

DEGREES AND CERTIFICATES	TERM ENTRY SEPT	TERM ENTRY JAN	TERM ENTRY MAY	DISTANCE OPTION
Master of Arts in Sociology (MA)	●			
Doctor of Philosophy in Sociology (PhD)	●			
Indigenous Nationhood Graduate Certificate (combined with an MA or PhD in Political Science)	●	●	●	
<b>SCIENCE</b>				
Master of Science in Biochemistry (MSc)	●	●	●	
Master of Science in Microbiology (MSc)	●	●	●	
Doctor of Philosophy in Biochemistry (PhD)	●	●	●	
Doctor of Philosophy in Microbiology (PhD)	●	●	●	
Master of Science in Biology (MSc)	●	●	●	
Doctor of Philosophy in Biology (PhD)	●	●	●	
Master of Science in Chemistry (MSc)	●	●	●	
Doctor of Philosophy in Chemistry (PhD)	●	●	●	
Master of Science in Earth and Ocean Sciences (MSc)	●	●	●	
Doctor of Philosophy in Earth and Ocean Sciences (PhD)	●	●	●	
Master of Science in Mathematics and Statistics (MSc)	●	●		
Doctor of Philosophy in Mathematics and Statistics (PhD)	●	●		
Graduate Certificate in Medical Physics	●	●	●	
Master of Science in Physics and Astronomy (MSc)	●	●	●	
Doctor of Philosophy in Physics and Astronomy (PhD)	●	●	●	
<b>GENERAL GRADUATE CERTIFICATES</b>				
Indigenous Nationhood Graduate Certificate	●	●	●	
Graduate Certificate in Learning and Teaching in Higher Education (LATHE)	●			

### ADMISSION TO A MASTER'S PROGRAM

- Completion of a 4-year bachelor's degree (or equivalent) from an institution recognized by the University of Victoria
- Equivalent of a minimum "B" average over the last two years of your degree
- Any requirements specific to your program of study
- Must meet UVic's English Language Proficiency Requirement

### ADMISSION TO A DOCTORAL PROGRAM

- Completion of an acceptable master's degree (or equivalent) from an institution recognized by the University of Victoria
  - Must meet UVic's English Language Proficiency Requirement
- or
- If you have a first-class average in the last two years of a bachelor's degree, in addition to any requirements specific to your program of study, you may also be considered
  - Any requirements specific to your program of study
  - Must meet UVic's English Language Proficiency Requirement



# FUNDING YOUR GRADUATE STUDIES

Funding for your graduate studies may come in the form of a UVic fellowship, teaching assistantship, research assistantship or a combination of all three. You may be eligible for a wide range of needs-based bursaries, merit-based fellowships, and internally and externally funded awards. Consult your range of options at [uvic.ca/graduatestudies/finances](http://uvic.ca/graduatestudies/finances) and be sure to identify any additional funding opportunities available from your academic unit.

## Teaching Assistantships and Research Assistantships

You can apply through your academic unit for several forms of paid employment that will provide valuable professional development opportunities throughout your degree. These opportunities include working as a teaching assistant (TA), research assistant (RA), scientific assistant or laboratory instructor. Applicants should speak with their prospective supervisor about the availability of these opportunities.



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**\$30 MILLION**  
IN TA AND RA FUNDS IN 2019

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## Graduate Fellowships, Awards and Scholarships

The University of Victoria provides a variety of scholarships to graduate students:

- University of Victoria Doctoral Fellowship – \$10,000 to \$20,000
- University of Victoria Master's Fellowship – \$10,000 to \$17,500
- University of Victoria Graduate Award – Doctoral or Master's – \$1,000 to \$10,000
- University of Victoria President's Research Scholarship for federal council scholarship holders – \$5,000
- University of Victoria Graduate Entrance Award for new first-class graduate students – \$5,000
- A variety of donor-sponsored graduate scholarships – \$1,000 to \$30,000

## Federal Research Council Funding

UVic students have a strong history of success in federal research council competitions that provide the following scholarships:

- Social Sciences and Humanities Research Council – Doctoral research scholarships of \$20,000 or \$35,000
- Natural Sciences and Engineering Research Council – Doctoral research scholarships of \$21,000 or \$35,000
- Canadian Institute of Health Research – Doctoral research scholarships of \$35,000

All three councils award, through the University of Victoria, master's research scholarships of \$17,500.

## COST OF STUDY

Tuition and program fees vary by program. Use our tuition fee estimator to plan your academic and ancillary expenses. See [uvic.ca/grad/tuition](http://uvic.ca/grad/tuition).



# PREPARING YOU FOR YOUR CAREER

## Graduate co-op opportunities

Earn while you learn, gain valuable experience and develop career networks. Participate in co-op during your graduate program.

[uvic.ca/coopandcareer/gradcoop](http://uvic.ca/coopandcareer/gradcoop)

A third of co-op students find permanent positions with their former co-op employers after graduation, making co-op a smart choice to launch your career.

## Three Minute Thesis competition

Improve your communication and presentation skills in the Three Minute Thesis Competition. [uvic.ca/3minutethesis](http://uvic.ca/3minutethesis)

## Earn a certificate in learning and teaching in higher education

Earn a Certificate in Learning and Teaching in Higher Education to help you move into a teaching career in higher education. [uvic.ca/lathe](http://uvic.ca/lathe)

## Get commercialization support for your ideas

UVic's on-campus venture incubator helps entrepreneurs get fundamental support and mentorship to take business concepts from idea to investor-ready. We provide tools, expertise and space on campus to help entrepreneurs develop their ideas and partner clients with advisors and mentors from outside the university who provide valuable input and connections.

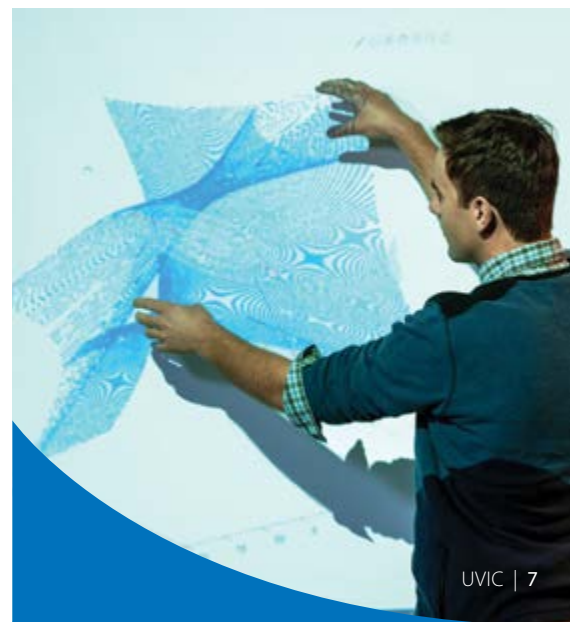
[uvic.ca/innovation](http://uvic.ca/innovation)



PhD student Lily Chen talks to Seaspan vessel chief engineer, Ahmed Khan as part of her work with UVic's Clean Transportation Research Team.



Applied Theatre PhD student Taiwo Afolabi.  
Electrical and Computer Engineering graduate student Zev Isert.



# UVIC'S RESEARCH STRENGTHS

## INDIGENOUS RESEARCH

From language revitalization to Indigenous law, University of Victoria researchers are working with Indigenous communities and organizations in Canada and around the world to understand, preserve and celebrate Indigenous traditions and cultures.

UVic promotes research reflecting the aspirations and calls to action in the Truth and Reconciliation Commission, including research grounded in traditional knowledge, the use of culturally appropriate methodology and a focus on addressing issues most relevant to Indigenous peoples.

## CREATIVITY AND CULTURE

Culture and the creative arts help us make sense of our world and ourselves. As we become increasingly aware of our cultural diversity on a regional, national and global scale, we turn to the creative arts for emotionally rich answers to the most compelling questions confronting us individually and as a society.

UVic's well-developed strengths in Indigenous studies, religious diversity, global engagement, nationhood and equality, and linguistic diversity make this a natural place for exploring and celebrating cultural differences and interactions.

UVic hosts BC's only stand-alone fine arts faculty, home to nationally and internationally recognized creative practitioners. With one of the most comprehensive applied theatre programs in North America, UVic attracts students from around the world who use performance art to spark social change—from providing hope to tsunami survivors in India and refugee camps in Africa to fostering Indigenous language revitalization in British Columbia.

## HEALTH AND LIFE SCIENCES

Working with community groups and leaders, governments, health authorities and other health care agencies, more than 200 UVic researchers are providing the evidence-based knowledge that health practitioners and decision-makers need to improve the health and well-being of Canadians.

We are known for excellence in community-engaged research. Our research strengths in areas like cognitive health, child and youth care, Indigenous health, palliation and mental health and addictions directly support healthy people, places and communities in Canada.

## OCEAN SCIENCE AND TECHNOLOGY

The ocean covers 70 percent of the Earth's surface and is vital to our planetary life support system. Yet our activities are affecting the ocean at an ever-increasing pace. Understanding these changes is critical for the future of the planet—and us.

How do ocean processes work? How do they interact to influence the diversity and abundance of ocean life? What drives the complex relationship between ocean and climate? How can we manage our ocean-based activities in a more sustainable way? And can the ocean help us meet our energy needs? University of Victoria researchers are leading the charge to answer these questions.

Our research strengths include ocean observing, climate modelling, ocean chemistry and physics, and marine ecology. Our researchers explore how climate-forced changes are affecting marine ecosystems and determine how the effects of these changes can be managed to support ocean sustainability.

We're uniquely positioned for this work, with a network of internationally recognized oceans, climate, and community-engaged researchers supported by the on-campus expertise of UVic's Ocean Networks Canada and the federal Canadian Centre for Climate Modelling and Analysis.

## **ENVIRONMENT, CLIMATE AND ENERGY**

Warmer global temperatures, extreme weather events, melting Arctic sea ice and ecosystems in trouble—these are just some of the ways that climate change is altering the planet. At the same time, our expanding human footprint is threatening sensitive ecosystems and biodiversity around the globe.

The University of Victoria leads research on climate modelling, climate change mitigation and adaptation, the development of sustainable energy systems and the human dimensions of climate change.

Our researchers are working with governments, industry and community groups to foster clean growth—developing sustainable solutions and low-carbon economic development to address the challenges posed by climate change.

## **GLOBAL STUDIES AND SOCIAL JUSTICE**

The world is facing enormous social, political and ecological challenges. And the impacts are being felt far beyond any single geographic area.

Our researchers are exploring the many forces that cause globalization and the related political, socio-economic and cultural implications. Their insights enhance our understanding of freedom, injustices and inequalities.

Areas of study include governance, politics, international law and trade, public management, feminist perspectives, transgender studies, cultural inquiry and social policy analysis.

## **DATA SCIENCE AND CYBER PHYSICAL SYSTEMS**

As our ability to gather information about the world and our lives grows, we need better tools to make sense of it all. Powerful computer systems offer new ways for researchers to organize data, find patterns and predict changes.

Data science enables our researchers to explore massively complex systems—such as climate change, ocean physics, galactic evolution and the fleeting existence of new types of matter during high-energy collisions of subatomic particles.

UVic expertise in cyber physical systems includes advanced computing, networked control systems, energy systems, “smart oceans” technology, biostatistics, and assistive technologies and medical care monitoring.

## **PHYSICAL SCIENCES AND ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE**

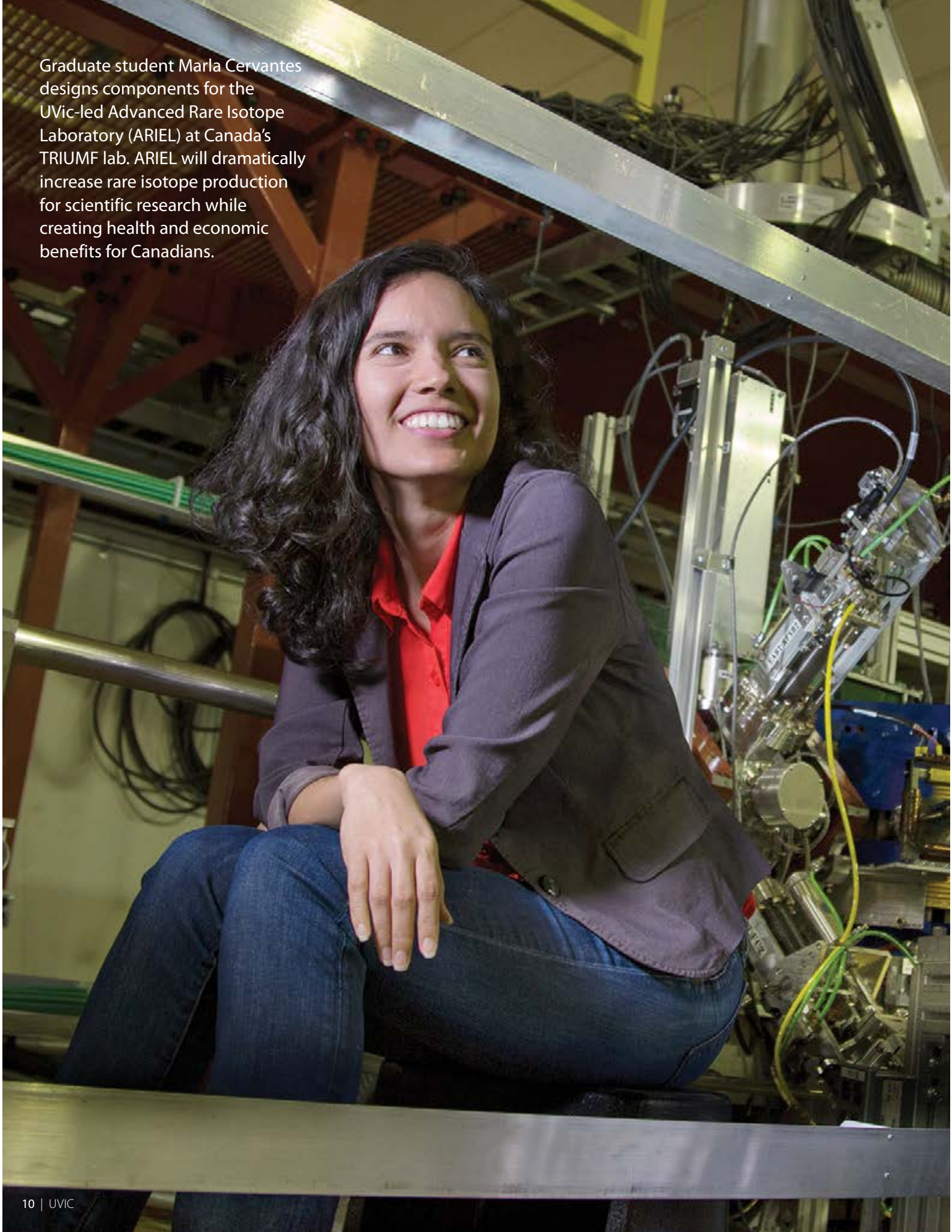
Some of the most profound questions in science are about the nature of matter. What is it made of? What holds it together? Can we alter it to create new types of matter and materials?

The answers lie in the depths of inner and outer space. Whether they’re probing the behaviour of subatomic particles, scanning the universe for distant stars and galaxies, using mathematics to explain our complex world, or creating new molecules and materials, UVic scientists and engineers are world leaders in the quest for answers.

Nanotechnology, spintronics, photonics, supramolecular design, advanced crystal growth and advanced microscopy—these are among the technologies used by our researchers to develop new materials for applications as diverse as health care, electronics, manufacturing, and environmental monitoring and remediation.



Graduate student Marla Cervantes designs components for the UVic-led Advanced Rare Isotope Laboratory (ARIEL) at Canada's TRIUMF lab. ARIEL will dramatically increase rare isotope production for scientific research while creating health and economic benefits for Canadians.



# UVIC RESEARCH CENTRES ATTRACT TOP SCHOLARS

## ASTRONOMY RESEARCH CENTRE (ARC)

The Astronomy Research Centre at the University of Victoria brings together world-renowned researchers in astrophysics, engineering, computation and instrumentation working in or near Victoria, BC.

UVic scientists and engineers work closely with colleagues at the nearby NRC Herzberg Institute in Saanich, the NRC DRAO in Penticton and at TRIUMF in Vancouver, to form one of the largest concentrations of astronomy-related talent in Canada.

Members of the ARC are engaged in a wide variety of scientific and engineering research. Science programs include searching for exoplanets, studying the environments for star formation, calculating the evolutionary stages of stars and galaxies, modelling nuclear processes in stars and in the formation of galaxies, and participating in team science related to astronomical instrumentation and future observational facilities.

Engineering programs range from new adaptive optics technologies, phased array feeds for higher sensitivities at long wavelengths, and exquisite wide field imaging and spectroscopic instrumentation.

ARC members are also leaders in the operations and development of the next-generation astronomical facilities, such as the Thirty Meter Telescope to be built in the next decade, the developments at the Atacama Large Millimetre/submillimeter Array in Chile and instruments on the James Webb Space Telescope to be launched in 2018.



Home to the world's most powerful electron microscope, the Hitachi HF-3300V scanning transmission electron holography microscope.



UVic researchers work closely with the Herzberg Institute of Astrophysics, Canada's leading centre for astronomy and astrophysics.



TRIUMF, co-founded by UVic, is Canada's particle accelerator centre, advancing isotope science and technology and pushing the frontiers in research to advance science, medicine and business.



UVic is a founding member of the Atlas Collaboration at the CERN Laboratory in Switzerland. UVic physicists contributed to the discovery of the Higgs boson particle at CERN in 2012.

## CANADIAN INSTITUTE FOR SUBSTANCE USE RESEARCH (CISUR)

The Canadian Institute for Substance Use Research is a network of individuals and groups dedicated to the study of substance use and addiction in support of community-wide efforts to promote health and reduce harm. Our research is used to inform a broad range of projects, reports, publications and initiatives aimed at providing all people in Canada and beyond with access to happier, healthier lives, whether using substances or not.

## CENTRE FOR ASIA-PACIFIC INITIATIVES

The Centre for Asia-Pacific Initiatives team conducts research on policy issues and builds relationships with universities and civil society organizations in the Asia-Pacific region. We hold international conferences and events, and act as a resource facility for the university and the wider community on this important and diverse part of the world.



## **CENTRE FOR ADVANCED MATERIALS AND RELATED TECHNOLOGY (CAMTEC)**

The Centre for Advanced Materials and Related Technology is committed to interdisciplinary work on advanced materials and technology.

The scope of this work covers a wide spectrum of research in theoretical and applied areas. With this in mind, CAMTEC coordinates related research among the departments of Biology, Chemistry, Electrical and Computer Engineering, Mechanical Engineering, Physics and Astronomy, and Earth and Ocean Sciences. CAMTEC members work closely with scientists and engineers from the private and public sectors to ensure technological transfer to industry.

CAMTEC's objectives are to carry out fundamental and applied research in advanced materials, to train technical and academic personnel in these areas, and to disseminate the knowledge gained from the research through scientific publications, conferences, workshops and seminars.

CAMTEC serves as a teaching centre involving graduate students in the latest developments and applications of materials research. In each of the participating departments, members are continually developing new graduate courses in advanced materials.

## **CENTRE FOR STUDIES IN RELIGION AND SOCIETY (CSRS)**

The Centre for Studies in Religion and Society is a community of academics dedicated to the scholarly study of religion in relation to all aspects of human society, from law and politics to family and culture to history, the sciences and the arts. The Centre has no affiliation with any religion and no religious agenda, and is equally interested in Eastern and Western traditions, texts and cultures, and ancient and contemporary religious phenomena. The CSRS hosts a vibrant community of interdisciplinary scholars, researchers, students, artists and community members through its diverse fellowship programs.

## **CENTRE FOR BIOMEDICAL RESEARCH (CBR)**

The Centre for Biomedical Research is a collaborative group of scientists and clinicians investigating problems related to human health and disease.

The CBR is a multidisciplinary unit with an emphasis on genetics, molecular biology and biomedical engineering. The centre was created to promote interdisciplinary basic and translational biomedical research. There are seven important research clusters within the CBR:

- infection and immunity
- cell signaling
- genetics
- cardiovascular
- neuroscience
- developmental biology
- biomedical engineering

Our members span several UVic departments, the UVic Division of Medical Sciences, the Vancouver Island Health Authority and the BC Cancer Agency.

## **CENTRE FOR GLOBAL STUDIES (CFGS)**

The Centre promotes collaborative, multidisciplinary, and cross-regional research and engages in connecting research in the field of global studies to local, national and international communities. The CFGS also hosts numerous conferences, workshops and speakers. The Centre's activities in Victoria and abroad are designed to promote critical citizenship in a complex and rapidly changing global environment. CFGS research and public engagement build upon the University of Victoria's intellectual expertise in four core themes: governance, environmental challenges, social justice, and culture and identity. The CFGS strives to produce quality and practical research with tangible benefits to local and international communities. The CFGS has a rich history of producing cutting-edge research and disseminating it in concise and accessible ways for policy makers and the wider community.

## CENTRE FOR FOREST BIOLOGY

The Centre's mission is to carry out fundamental and applied research in forest biology and to train graduate students and post-doctoral fellows in this field. The Centre facilitates and coordinates research, provides graduate training opportunities, fosters collaboration and promotes the appreciation of the role of forests and trees in the community. The Centre is made up of professors, graduate students, and staff and often involves undergraduate students in our research projects.

The research interests of participating faculty are diverse, but emphasize tree-environment interactions and adaptation. Projects focus on tree resistance to pathogens, plant-microbe interactions, biochemical and physiological responses of trees to stress, conifer and poplar genomics, evolution of biochemical pathways, and adaptive responses of forests to climate change. Research is typically carried out by teams comprised of graduate students, technicians and post-doctoral fellows.

Many research projects involve collaborations with scientists in government laboratories, including the federal Pacific Forestry Centre and the B.C. Ministry of Forests, Lands, Natural Resource Operations and Rural Development. The Centre fosters linkages with the forest industry and private sector laboratories and facilitates the transfer of knowledge to the broader community.

## CENTRE FOR SOCIAL AND SUSTAINABLE INNOVATION

The Centre helps the people who study and work at the Gustavson School of Business

- include sustainability and social responsibility in courses
- host and attend events, challenges and competitions
- reduce our carbon footprint
- share what we learn and do, at UVic and around the world.

## CENTRE FOR YOUTH AND SOCIETY (CFYS)

Research that focuses on youth is vital: the United Nations reports that half the world's population is under the age of 25. Youth are key actors in the evolving social, environmental and technological changes that are shaping the world at an ever increasing pace.

The Centre for Youth and Society designs and conducts interdisciplinary research, promotes collaboration with partners, and responds to emerging priorities affecting youth and their families. The Centre unites researchers, students and community partners (including youth-led initiatives) toward youth well-being.



Computer Science graduate students Jorin Weatherston and Ying Wang use VR technology in their research.



UVic's EEG lab. Civil Engineering PhD student Alexandra Cassivi tests water samples in Malawi.





## **CENTRE FOR INDIGENOUS RESEARCH AND COMMUNITY-LED ENGAGEMENT (CIRCLE)**

The Centre for Indigenous Research and Community-Led Engagement is dedicated to expanding well-being and self-determination by building on strengths of Indigenous Peoples and welcomes you to share ideas, resources and projects. CIRCLE is an Indigenous-led, yet inclusive, collective of people who share knowledge and research methodologies. CIRCLE supports faculty, students and communities undertaking community-driven Indigenous research and related activities.

## **INSTITUTE FOR INTEGRATED ENERGY SYSTEMS (IESVIC)**

One of the greatest challenges we face is the development of sustainable energy systems that are reliable, cost-effective and socially acceptable. The Institute's mission is to chart feasible pathways to sustainable-energy systems through the development of new technologies, processes and systems.

IESVic was formed in 1989 by researchers in energy technology and systems analysis to develop high-quality, affordable and environmentally compatible energy systems. IESVic became an interdisciplinary research centre in 1994 with a targeted research program on hydrogen and fuel cell technologies, technoeconomics of energy systems and transportation. Today, the Institute's work involves strategic clean technologies, electrification and system integration, built environment, energy-economy-policy modeling and integrated planning for water-energy-land systems. IESVic provides leadership at the University of Victoria in the study of critical energy issues, human dimensions of energy, education and training, and works closely with industry, not-for-profits and government.



**The Institute for Integrated Energy Systems is a global leader and pioneer in developing sustainable energy systems.**

## **INSTITUTE ON AGING AND LIFELONG HEALTH (IALH)**

The Institute on Aging and Lifelong Health is committed to promoting and conducting rigorous basic and applied research to improve the health and quality of life of individuals across the life course.

Our research is rooted in a broad orientation to health and aging that includes attention to the social, psychological, environmental, geographic, and cultural contexts in which people live, and the institutions responsible for the health of aging populations.



**The Institute on Aging and Lifelong Health is an interdisciplinary research centre advancing knowledge in the field of aging and health.**

## **PACIFIC INSTITUTE FOR CLIMATE SOLUTIONS (PICS)**

PICS is a collaborative and user-engaged institute that convenes solution-seekers and research partners to co-design, co-develop and co-deliver impactful climate solutions for British Columbia, Canada and potentially the world.

The solution seekers—decision makers within government, industry and our communities—will not only use and benefit from our research, but help design it in the first place. PICS supports research that will help transform our economy and communities to become net-negative carbon emitters, while being ready for the opportunities and challenges of a changing climate.



**The Pacific Institute for Climate Solutions is the first-of-its-kind climate research collaboration that connects public and private sector solution-seekers with experts from BC's four leading research universities to co-design, develop and deliver cutting-edge climate change solutions.**

## UVIC-GENOME BC PROTEOMICS CENTRE

The UVic-Genome BC Proteomics Centre is the central hub of the Pan-Canadian Proteomics Centre, Genome Canada's Genomics Technology Platform for proteomics technology development and service. In addition, the Proteomics Centre is a founding member of the Metabolomics Innovation Centre, Canada's leading metabolomics facility, focused on quantitative metabolomics. The Proteomics Centre has been providing mass spectrometry analytical services to academic, industrial and government laboratories for over 30 years.



The UVic-Genome BC Proteomics Centre is the central hub of the Pan-Canadian Proteomics Centre, the best-equipped proteomics research facility in Canada.

## VICTORIA SUBATOMIC PHYSICS AND ACCELERATOR RESEARCH CENTRE (VISPA)

VISPA brings together people with the skills and expertise to investigate the fundamental constituents of the universe. The Centre's members collaborate on leading international particle physics experiments, share computing and laboratory resources, support and manage technical staff, provide a natural home for adjunct faculty from other institutions, and support high-quality graduate and post-doctoral training.

Research in subatomic physics is done on a global scale in large, international collaborative efforts. The most pressing scientific questions require interactions between experimental and theoretical approaches, and future advances rely heavily on improvements in technical instrumentation.

Accelerators continue to play a central role in subatomic physics research, and they are increasingly used worldwide in other areas of science, industry and medicine. UVic is the lead institution on the linac electron accelerator being built at TRIUMF as part of the ARIEL project.



UVic's Advanced Rare Isotope Laboratory (ARIEL) is a world-class facility with research capabilities in particle physics, nuclear physics, nuclear medicine and materials science.



Civil Engineering PhD student Harsh Rathod uses drone technology to detect defects in public infrastructures.



Graduate student Danielle Claar works at her field research site on Kiritimati Island.

International student Jorge Eduardo Flores Carrizales performs his masters graduation piano recital online.



# LEARN WITH THE BEST

## UVIC IN THE RANKINGS

### #1 UNIVERSITY IN NORTH AMERICA

- for international research collaborations across all sciences.

### #2 UNIVERSITY IN CANADA

- for international collaborations across all sciences (co-authored publications with an international collaborator).
- for scientific impact in math and computer science.
- for international collaborations in physical sciences and engineering.
- for international collaborations in mathematics and computer science.
- in publication impact in life and earth sciences.
- in publication impact in math and computer science.

### #3 UNIVERSITY IN CANADA

- in citation impact per faculty member (QS rankings, 2019).

### #5 UNIVERSITY IN CANADA

- in publication impact across all sciences.

### #1 AMONG COMPREHENSIVE UNIVERSITIES IN MEDICAL/SCIENCE GRANTS PER FACULTY (MACLEAN'S 2019)

### #2 AMONG CANADIAN COMPREHENSIVE UNIVERSITIES IN THE TIMES HIGHER EDUCATION CITATION RANKINGS (2019)

*All rankings are from Leiden unless otherwise noted.*

## WORLD-CLASS RESEARCH



UVic scientists were involved with the UN Intergovernmental Panel on Climate Change, the group that, with Al Gore, won the 2007 **Nobel Peace Prize**.



UVic physicists were involved in work that led to the 2008 **Nobel Prize in Physics**.



UVic physicists were involved in work that led to the 2011 **Nobel Prize in Physics**.



A UVic physicist contributed to the Navarro, Frenk and White Profile, the dark-matter shape of the galactic halo that led to Simon White receiving the 2017 **Shaw Prize for Astronomy**.

## HOW DO I FIND A SUPERVISOR?

A great supervisor oversees your academic work, is passionate about your subject area and is invested in your success.

There is some variation when it comes to academic supervision at UVic, so be sure to confirm the specific details with your academic unit. You may be assigned a supervisor or be expected to find your own. In some instances, you must identify an available supervisor before you begin your studies.

Learning as much as you can about the faculty members who you will be working with increases your chances for success. A potential supervisor may be more open to you if you:

- make contact well in advance of your desired academic entry point
- develop a statement of your research interests and preferred areas of focus
- spend time exploring their research, publications, funding sources and CVs
- consider the mutual investment required

If you're responsible for identifying a supervisor, we recommend you talk to several professors before asking one to oversee your work. Where possible, connect with those on your short list to discuss your research goals and their availabilities for your desired study period.



# HOW TO APPLY

## 1. BEFORE YOU APPLY

Admission to UVic Graduate Studies is competitive. It's never too early to contact your academic unit and start planning your application to make yourself as attractive a candidate as possible. Our website lists all the important steps you need to take before you apply, such as reviewing admission requirements, required documents and English language proficiency requirements. [uvic.ca/grad/admissions](https://uvic.ca/grad/admissions)

## 2. APPLY FOR ADMISSION

Apply online at [uvic.ca/application](https://uvic.ca/application). You will be asked to pay your application fee by credit card.

Your application will be processed after UVic receives your payment. [uvic.ca/grad/apply](https://uvic.ca/grad/apply)

## 3. APPLICATION STATUS

Shortly after you've applied, you'll receive your UVic student ID number by email. This will be followed by instructions for checking your status online. You'll be contacted by email once an admission decision has been made and you'll be notified if anything further is required. Make sure to add [@uvic.ca](mailto:@uvic.ca) to your safe-senders list.

## 4. ONCE YOU ARE ACCEPTED

Review our resources for newly accepted students. [uvic.ca/grad/new](https://uvic.ca/grad/new)



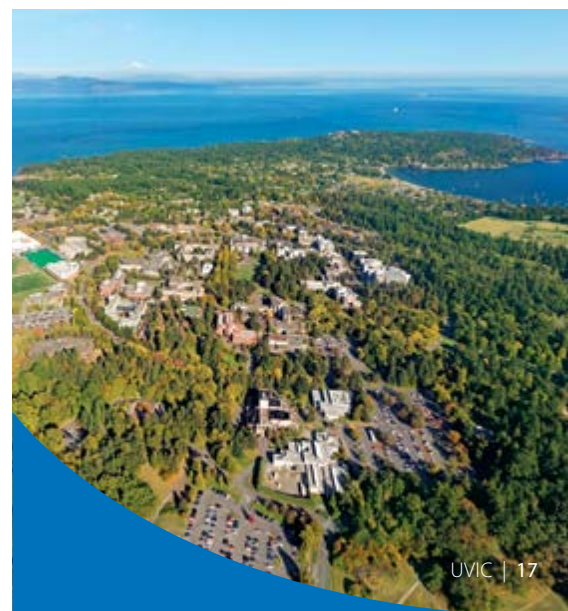
Scan to learn more about programs, admission, and research at UVic or visit [uvic.ca/graduate](https://uvic.ca/graduate).



Art History and Visual Studies graduate student Ashley Riddett specializes in community art engagement, including a Covid-specific series of online pieces.



Geography graduate student Brian Timmer conducting fieldwork in a bed of kelp near the Broughton Archipelago, on BC's central coast. Photo credit: Markus Thompson





University  
of Victoria

## UNIVERSITY OF VICTORIA, CANADA

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**FACULTY OF GRADUATE STUDIES:** P: 250-721-7970 | F: 250-721-8957 | E: [fgs@uvic.ca](mailto:fgs@uvic.ca)

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*If there are any discrepancies between this publication and the University of Victoria Graduate Calendar,  
the calendar will take precedence.*