Sustainability and Social Innovation at UCalgary

Service Organizations at UCalgary

Campus as a Learning Lab

The Campus as a Learning Lab (CLL) initiative supports experiential learning and applied research projects that enable students, faculty and staff to advance sustainability on UCalgary campuses and beyond. The concept of using our campuses as massive labs for sustainability research is an exciting one.

Learn more: https://www.ucalgary.ca/sustainability/campus-learning-lab

College of Discovery, Creativity and Innovation

The College of Discovery, Creativity and Innovation provides leadership in implementing UCalgary's vision in advancing experiential learning and undergraduate research for all students across campus. The CDCI develops and supports opportunities for undergraduate research experiences through sustainable and evidence-based programs and initiatives, such as the non-curricular Program for Undergraduate Research Experience (PURE), which offers summer research studentships, a new for-credit course called Research on Global Challenges, and course-based undergraduate research experiences (CUREs). The CDCI also establishes partnerships with academic and non-academic units to help amplify opportunities in undergraduate research.

Learn more: https://taylorinstitute.ucalgary.ca/

Creative Destruction Lab - Rockies

Creative Destruction Lab (CDL) Rockies is a unique milestone-based mentoring program for massively scalable science-based companies. It brings together many of the region's most experienced entrepreneurs, investors, and scientists from diverse fields including energy, healthcare, software and hardware, industrials and clean technology. CDL startups work with these mentors to sharpen objectives, prioritize time and resources, raise capital, and engage with experts working on the frontiers of research.

Learn more: https://www.creativedestructionlab.com/locations/calgary/

Enactus Calgary

Enactus Calgary is the University of Calgary chapter of Enactus, a global non-profit composed of 72,000 students across the world who are using the power of entrepreneurial action to enact positive change. By using business knowledge and an educational approach in developing projects, Enactus Calgary's

programs foster entrepreneurial development, economic and environmental sustainability, and youth empowerment through financial literacy education in Calgary and surrounding communities.

Learn more: http://www.enactuscalgary.com/

Hunter Centre for Entrepreneurship & Innovation

Are you interested in taking academic courses that will make a real difference in your career? Want to participate in exciting extracurricular activities that will introduce you to new people and opportunities?

Learn more: https://haskayne.ucalgary.ca/hunter-centre

Hunter Hub for Entrepreneurial Thinking

The Hunter Hub for Entrepreneurial Thinking is an interdisciplinary nucleus for activities that will support entrepreneurial student experiences, enable faculty to lead in innovation and expand a growing community of entrepreneurial and innovative thinkers.

From interdisciplinary hackathons, competitions, resources, workshops delivered by experienced entrepreneurs to mentorship, there's a lot happening in the Hunter Hub to help build your ideas to reality.

Learn more: https://www.ucalgary.ca/hunter-hub/

Innovate Calgary

Innovate Calgary is the innovation transfer and business incubator centre for the University of Calgary. As part of the Office of the Vice-President (Research) portfolio, they work closely with the Research Service Office to help bridge the gap between discovery and creating economic and societal impact. From ideation to commercialization, Innovate Calgary has successfully supported the innovation-driven research community for over 30 years.

Their knowledge transfer and commercialization services include, but are not limited to:

- Intellectual Property Management
- Licensing or Company Formation
- Technology/Innovation Marketing
- Supporting Research Partnerships
- Accelerator Programs

Learn more: https://www.innovatecalgary.com/

University of Calgary International

Driven to further develop the University of Calgary's reputation as a global intellectual hub, UCalgary International equips students with global knowledge, forges strategic partnerships and promotes diversity

and innovation in education and research. Our mandate is to connect you to the world. We help prepare students today for the world of tomorrow, and help faculty and staff engage in international research and learning that benefits local, national and international communities.

Learn more: https://www.ucalgary.ca/international

Knowledge Engagement

A newly formed unit in the Research Services Office at the University of Calgary, the Knowledge Engagement team is driven by their mission to support collaborative research efforts to create impact and benefit for the community at large.

Whether you're a UCalgary researcher or from a community organization, the KE team can provide partnership matchmaking and research collaboration support to help connect you with the right expertise and experience for your research project.

Learn More: https://research.ucalgary.ca/engage-research/knowledge-engagement

The Office of Sustainability

The Sustainable Resource Centre creates opportunities for meaningful engagement and hands-on experience in sustainability. Connect with others seeking to solve social and environmental challenges in our community - we're here to help support and grow communities of practice in sustainability. During COVID, we are providing all of our programming and support virtually. Connect with us to find out more about sustainability related opportunities for students, faculty and staff.

Learn more: https://www.ucalgary.ca/sustainability/get-involved/sustainability-resource-centre

Trico Foundational Social Entrepreneurship Centre

The Trico Foundation Social Entrepreneurship Centre was established through the generous support of Wayne and Eleanor Chiu's family foundation, the Trico Charitable Foundation. This new centre will build social enterprise education, support curriculum development and fuel teaching excellence. As there is growing recognition of the possibilities offered by social enterprises, Haskayne graduate students will have the unique opportunity to get in on the ground floor of a growing movement to do well by doing good.

We believe we can educate the next generation of social entrepreneurs, research what makes social enterprises successful and that the Trico Foundation Social Entrepreneurship Centre can play a role in helping Calgary become a hub for social entrepreneurship.

Learn more: https://haskayne.ucalgary.ca/tricofoundation

Ward of the 21st Century (W21C)
W21C is a research and innovation initiative based in the University of Calgary (UCalgary) and the Calgary Zone of Alberta Health Services (AHS). W21C conducts health systems research with the overarching mandate to improve patient safety and quality of care.

They offer:

- Direct access to clinical spaces
    - Living Laboratory – a hospital medical teaching unit that allows for testing in an actual patient ward
    - Research and Innovation Centre – a place to pursue applied health research with commercial potential
- Research and simulation capabilities
- An interdisciplinary team that can look at your research question from a variety of perspectives

Learn more: https://www.w21c.org/

Events & Workshops at UCalgary

Careers in Sustainability & International Development by the Office of Sustainability

Careers in Sustainability & International Development will be a virtual event aimed at giving students the opportunity to explore careers related to sustainability and international development through networking with professionals from various fields related to the Sustainable Development Goals. Event is on February 11th, 2021.

Learn more: Follow @ucalgarysustain on Instagram

Hunter Centre Speaker Series
The Hunter Centre Speaker Series is an ongoing series of interactive dialogues showcasing Calgary's entrepreneurial leadership. The series provides students, faculty and alumni, and the Calgary business community the opportunity to expand their networks, address real-life entrepreneurial challenges, learn from the personal experiences of business innovators and celebrate the entrepreneurial spirit in Calgary.

Learn more: https://haskayne.ucalgary.ca/hunter-centre/community-engagement/speaker-series

Innovate Calgary Webinars
Innovate Calgary has a variety of webinars available, including the following series:

- Designing Social Impact Series
- Tools for Entrepreneurs Series

- Drug Repurposing Series
- Life Sciences webinars

Learn more: https://innovatecalgary.com/webinars/

Challenges & Programs at UCalgary

Calgary Interprofessional Challenge
The Calgary Interprofessional Challenge is a fast-paced, exhilarating hackathon style event using interdisciplinary teamwork to build great ideas! Take part in a unique opportunity to collaborate, innovate, and create real-world solutions for better health and wellness in a cutting-edge setting, while collaborating with like-minded peers and professionals from across the University of Calgary.

Learn more: https://www.ucalgary.ca/hunter-hub/get-engaged/CIC

Global Community Challenge
The Global Community Challenge YYC (GCC) brings students together into trans-disciplinary and cross-cultural teams to work with local organizations in Calgary, learn about the challenges they are facing and identify potential solutions that could have a global impact. Students develop skills in teamwork, creativity, problem-solving and communication while building intercultural capacity and positioning themselves to become innovation catalysts for meaningful change in real-world challenges.

Learn more: https://ucalgary.ca/international/study-abroad/global-community-challenge-yyc

Innovation 4 Health (I4H)
Innovation 4 Health is a catalyst for innovation. There are many challenges just waiting to be solved, but often healthcare professionals, caregivers and patients do not have the resources, expertise, or time to address them. On the other hand, there are many skilled individuals that are eager to innovate, but don't know where to start. The I4H mission is to connect innovators with real-world challenges in human and veterinary healthcare to address inefficiencies and barriers to wellness for all.

Learn more: https://www.innovation4health.com/

Map the System

Map the System is a one-of-a-kind challenge that invites students to use a systems-thinking approach to demonstrate a deep understanding of a pressing social or environmental challenge. Participating students and post-docs will have access to workshops, coaching and resources throughout the program to help them develop impactful projects. This culminates with a final competition in April where one winner will be selected to compete in the Canadian Finals.

Learn more: https://www.ucalgary.ca/hunter-hub/learn-entrepreneurial-thinking/co-curricularprograms/map-the-system

Platform Calgary Student Entrepreneurship Sprint

Do you have an idea for a product or solution? Have you identified a societal challenge? Are you eager to develop new skills and network beyond the classroom? UCalgary has partnered with Platform Calgary to bring you the Student Entrepreneurship Sprint. The Entrepreneurship Sprint is an opportunity to validate your big idea, whether it is a for-profit business or a social enterprise, in an agile, start-up environment. You will embark on a one-month **paid** Sprint to develop your idea and learn the basics of the Lean Startup method as an aspiring founder or changemaker.

Application Deadline: January 31, 2021 @ Midnight

Program: February 16, 2021 to March 18, 2021

Learn More: https://bit.ly/platformsprint_w2021

World's Challenge Challenge

This innovative competition is an exciting way for UCalgary students to engage with other students from around the world to address global challenges from a wide variety of viewpoints. By participating in this program, students will develop their critical thinking skills, global mindset, leadership, research, and presentation skills. The topic selection for this competition is not limited, and a list of ideas has been put together to get you started. Further, you could reference the UN Sustainable Development Goals to identify some of the greatest challenges facing the world right now.

Learn more: https://ucalgary.ca/international/study-abroad/worlds-challenge-challenge

TELUS Innovation Challenge

The Schulich School of Engineering is hosting the first *TELUS Innovation Challenge*, a one-of-a-kind national event designed to bring Canadian innovations to market, Feb. 16 to 19, 2021.

The winning team will receive a $100,000 prize package from TELUS, including a seed fund to help build their prototype, and personalized mentorship to support the development of their go-to-market plan. Additional support to winning teams of up to $100,000 will be provided by Alberta Innovates to support commercialization that could include mentorship, resources and infrastructure from TELUS and Alberta Innovates.

Challenge components include: the submission of a project proposal; opportunities to attend training workshops and receive mentorship from senior executives and industry experts; and the delivery of a 10-minute pitch followed by a 10-minute Q&A with our panel of industry judges. If you have any questions about the application process or the challenge, please contact schulich.leadership@ucalgary.ca. Apply by Jan. 18, 2021.

Learn more: www.schulich.ucalgary.ca/TELUSinnovation

Learning Programs at UCalgary

CATALYZE
The CATALYZE program supports social ventures to scale impact and revenue. Students gain experiential learning by being matched with a venture while receiving training and mentorship from key partners including MRU Changemaker Studio, Platform Calgary, Social Impact Lab, and the Trico Charitable Foundation.

Learn more: https://innovatecalgary.com/social-enterprise-incubator/

Certificate in Sustainability Studies

The Certificate in Sustainability Studies is based on an innovative experiential learning model that you can easily embed in most undergraduate degrees at no cost. UCalgary is a leader among Canadian universities with this new model for sustainability education. We provide you with the thinking and problem-solving skill set needed for sustainability leadership, research, education, policy and planning. After completing the Certificate in Sustainability Studies, you will be ready to enter into a variety of industries and jobs ranging from climate change adaptation to sustainable community design and sustainable futures planning, to natural and social resource conservation and stewardship, to renewable energy and regenerative food and water systems, product stewardship, municipal and federal planning and policy development, and community based and environmental monitoring, reporting and consulting.

Declare your interest before February 1, 2021.

Learn more: www.ucalgary.ca/sustainability/education/undergraduate/certificate-sustainability-studies

Embedded Certificate in Entrepreneurial Thinking
The embedded certificate in Entrepreneurial Thinking provides undergraduate students from degree paths across the UCalgary campus with an entrepreneurial thinking toolkit. Students will work towards the certificate by taking courses that meet prerequisite requirements. Students are encouraged to add the embedded certificate in Entrepreneurial Thinking as early as possible to ensure appropriate advising and support while progressing through their studies.

Learn more: https://haskayne.ucalgary.ca/embedded-certificate-in-entrepreneurial-thinking

Fellowships

Innovate Calgary offers several mentorship and experiential learning opportunities through programs like GreenSTEM Fellowships, GrinSTEM Fellowships, and Life Sciences Fellowships.

Learn more: www.innovatecalgary.com

Launchpad

Launchpad is an experiential learning program offered by the Hunter Hub for Entrepreneurial Thinking and the Schulich School of Engineering. This program is designed to help UCalgary students and post-doctoral fellows learn how to transform an idea into a venture, and in the process develop in-demand career competencies relating to entrepreneurial thinking. As defined by the UCalgary's Eyes High Strategy, entrepreneurial thinking is "being creative in finding innovative solutions. It involves taking initiative, exchanging knowledge across disciplines, being resourceful, and learning from experience."

Through active participation across all of Launchpad's activities, students will:

- Acquire essential skills required to take an idea to prototype to product.
- Hone critical thinking skills required to redefine problems and consider different perspectives.

Learn more: https://ucalgary.ca/hunter-hub/launchpad

PURE by the College of Discovery, Creativity and Innovation

The Program for Undergraduate Research Experience (PURE) provides up to $6,000 of financial support to University of Calgary undergraduates to conduct research for 8, 12 or 16 weeks between May and August. The PURE Award provides students an opportunity to conduct research in collaboration with faculty members, learn about the research process, and discover how they can contribute to and participate in a community of researchers.

The student application deadline is 4:00p.m., February 5, 2021.

Learn more: https://taylorinstitute.ucalgary.ca/pure-awards

Calgary Social Value Fund

Students who have at least two years remaining in their undergraduate studies can apply for an associate position with the Calgary Social Value Fund. We accept applications from all disciplines and begin recruitment March/April annually. Be sure to connect with us on LinkedIn to stay updated!

Learn more: https://www.linkedin.com/company/calgary-social-value-fund

SPARK Calgary by W21C

SPARK Calgary is a translational research program supporting digital health innovators within the University of Calgary and other local academic institutions. Translational research aims to bridge science and clinical practice and ensure that important ideas and discoveries from the university make it into practice to benefit patients.

Applications for the 2021 program cohort is now open. Eligible projects must be based at a post-secondary academic institution or polytechnic institute in or around Calgary. Projects must be developing innovations that form a novel approach to an unmet medical need using digital health solutions. Team members can include faculty, researchers, or students. Innovations should be in the early stages of ideation or development. The deadline for applications is 11:59 p.m. on January 31, 2021.

Learn more: https://www.w21c.org/portfolio/spark-calgary/

Life Science Innovation Fellowship

A full-time, two-year program that provides experiential learning in research and development (R&D) commercialization/startup creation for life sciences entrepreneurs. Offers up to $200k in startup funding, including a $55k/year stipend for the fellow.

Learn more: https://innovatecalgary.com/life-sciences-fellowship/

UCeed

UCeed is a pre-seed and seed funding program that helps commercialize new innovations and accelerates UCalgary startup companies.

Learn more: www.ucalgary.ca/uceed

UCEED Haskayne Student Fund

The UCeed Haskayne Student Fund is recruiting Fund Managers and Associates who will work together to make investments and manage a real-dollar portfolio while completing innovative coursework. Students receive a FNCE credit at the completion of your commitment with the UCeed Haskayne Student Fund.

Learn more: https://haskayne.ucalgary.ca/uceed-haskayne-student-fund

Research on Global Challenges by the College of Discovery, Creativity and Innovation

In Research on Global Challenges, students will explore interdisciplinary and multidisciplinary solutions to global challenges by conducting a deep, authentic research project under the mentorship and guidance of experienced faculty members. Students will develop their research skills in an interdisciplinary cohort as they investigate complex problems such as poverty, hunger, health, education, gender, climate change and economic growth. Research on Global Challenges includes multiple research project streams led by a faculty member or research supervisor.

The CDCI is currently recruiting faculty members who are interested in participating in the Global Challenges course and starting their own research project stream for Fall 2021.

Learn more: https://taylorinstitute.ucalgary.ca/students/undergraduate/research-on-global-challenges.

Campus Transformation Initiatives

Carnegie Community Engagement Classification

Carnegie Community Engagement Classification – Canadian Pilot Cohort (CPC) The Carnegie Foundation's Classification for Community Engagement is an elective classification and has been the leading framework for institutional assessment and recognition of community engagement in US higher education for the past 13 years. It is based on voluntary participation by institutions. The CPC was convened in 2019 to explore the Classification and consider how it might support community engagement in the Canadian context. UCalgary is one of 16 post-secondary institutions in Canada participating in this pilot, with 'mock' applications submitted to the Carnegie Foundation by December 15, 2020. Feedback on submissions and the pilot process will inform the co-creation of a Canadian framework for community engagement (to be developed in 2021/22). We will work together to co-create the framework, along with other national partners and diverse communities.

Learn more: https://www.ucalgary.ca/provost/strategic-initiatives/carnegie-community-engagement-pilot

CUREs by the College of Discovery, Creativity and Innovation

CUREs are course-based undergraduate research experiences that aim to expand undergraduate research opportunities and reduce barriers to student participation by integrating research activities into existing courses. Research-based learning is an engaging, high-impact practice that facilitates students' research skill development, researcher-identity, and other professional skills. It can also offer faculty an alternative to lecture-based learning, the opportunity to align your teaching and research interests, all while empowering students with more agency over their own learning.

The CDCI is currently recruiting instructors who may be interested in implementing research-based experiential learning (CURE) into a class they will teach in Fall 2021.

Learn More: cdci@ucalgary.ca

Campus as a Learning Lab

Campus as a Learning Lab (CLL) is an innovative University of Calgary initiative with a focus on experiential learning and fostering a campus culture rooted in sustainability. Learning labs enable campuses to be active environments for teaching and learning, while enabling the co-production of knowledge and increasing the ability of an institution to contribute to sustainability challenges. Through CLL, the University of Calgary is using its campus as a lab to test and model innovative sustainability practices, leveraging its research, academic and operations functions.

To incorporate CLL into your class or research, or if you are a student or staff with a project idea to improve sustainability on campus reach out to sustain@ucalgary.ca.

Learn More: www.ucalgary.ca/sustainability/campus-learning-lab