
ENTREPRENEURSHIP

The University of Calgary is Canada's Entrepreneurial University.

- In the top five globally for entrepreneurial university of the year in the [Triple E Awards](#)
- UCalgary is the top startup creator among Canadian research institutions two years in a row
 - UCalgary leads in nurturing start-ups – [Association of University Technology Managers rankings](#)
 - 75% increase in new inventions, disclosures and patent applications (88 in 2010, 154 in 2020)
 - [Hunter Hub for Entrepreneurial Thinking](#) – trains students, faculty and staff to act entrepreneurially
 - [UCeed](#) – seed funding program to help commercialize new technologies, accelerate UCalgary start-ups
 - [UIQ](#) – provides space for companies and start-ups to work alongside UCalgary students and researchers
 - 154% increase start-ups created at UCalgary between 2017 and 2022
- UCalgary's entrepreneurial approach to research is sparking bold health innovations.
 - UCalgary researchers collaborating globally to show how [vaccines can treat high risk cancers in kids](#)
 - [Joan Snyder's \\$67.5 million gift](#) elevates health and sport-science research, support women's hockey
 - [Azrieli Foundation \\$25 million gift](#) is driving neurodevelopmental research
 - Calgary-based company has [a new blood test for breast cancer](#) based on UCalgary research discoveries

ECONOMIC IMPACT

We're a big part of Calgary's economic story.

- The University of Calgary is a massive driver of innovation and economic growth that's poised to be even bigger in the years ahead.
 - Second largest employer in Calgary, [supporting more than 22,000 direct & indirect jobs](#)
 - Generates \$16.5 billion in [economic impact](#)
 - [Creative Destruction Lab](#) – \$1.7 billion equity value creation by CDL-Rockies alumni companies
 - Brought \$504 million in research investments to Calgary in 2021, up 10 % from 2019
- We're helping people train and retrain to build in-demand skills and keep up with the job market.
 - Increased [emphasis on partnerships](#) and work-integrated learning means curriculum relevant to private sector
 - Established the [Communications Specialist Program](#), 2-year paid work experience for recent grads
 - [Stackable certificates](#) that allow people to build up advanced credentials over time
 - Embracing new internship opportunities to provide [innovative training opportunities](#)
 - Increased remote learning options and [commitment to teaching innovation](#) provide flexibility for lifelong learning of in-demand skills like [data science and analytics](#)
- We're helping existing industries evolve and building entirely new ones.
 - At the heart of any city that has transitioned its economy is a great research university
 - W21C is partnering with CAN Health Network to bring more [homegrown tech to Canada's health-care sector](#)
 - School of Architecture, Planning and Landscape and Schulich School of Engineering scholars are analyzing ways for [Canada's oilsands to go carbon neutral](#)

CAPACITY

UCalgary must increase enrolments to meet Alberta's future labour needs.

- 40% of all post-secondary enrolment growth in Alberta will be in Calgary, and 21% at UCalgary alone
 - Given this demand, UCalgary will be short 9,500 seats by 2031
 - The Calgary region is projected to experience a shortage of over 17,700 post-secondary seats by 2031.
- UCalgary is already experiencing high turn-away rates and high entrance grades.
 - Median entrance grads have climbed to 88%
 - Undergraduate applicant-to-registration ratio is 1:3.44 – for every student we accept, we turn away 3.4 others
- UCalgary saw record enrolment in 2022-23
 - 36,328 students enrolled in undergraduate and graduate programs, including over 8,000 graduate students.
- UCalgary grads have a 96.3% employment rate
- Over 2/3 of our 191,000 alumni live, work and raise families in Calgary

We need to invest in capacity building projects like the MDSH to meet this demand

STRATEGIC PLAN

In a turbulent time, the University of Calgary is thinking and acting **Ahead of Tomorrow**.

- Ahead of Tomorrow was approved by the Board of Governors and guides our work until 2030
- UCalgary held its largest ever consultation process, 23,913 people engaged over 10 months

Increasing access to future-focused education.

- We will become #1 university in the U15 for student engagement
- We will increase our total enrolment by 10,000 and boost graduate enrolment by 7,000
- We will make certain students can pursue entrepreneurial thinking in research and scholarship
 - Ensure our thesis-based graduate students have the highest financial supports in the U15
 - Provide one semester free for first-in-family students to expand access to education
 - Develop innovative programming that anticipates tomorrow's demands
 - Expand understanding of university's foundational commitments (EDIA, Indigenous, Mental Health, Global Engagement, Sustainability)
 - Grow required programs for entrepreneurial thinking, research, and creative scholarship

Harnessing the power of research and innovation

- We will become #1 University in U15, research revenue per scholar
- We will grow external research revenue to \$750m a year
- We will grow from Canada's #1 creator of start-ups to the top 50 start-up creators in the world
 - Create research opportunities for undergraduate students
 - Expand transdisciplinary scholarship by partnering with community on grand challenges
 - Develop our research and innovation ecosystem

Locating community at the heart of everything we do

- We will become #1 in U15 for community engagement
- 25,000 students, faculty and staff will contribute to community challenges every year
- Engage 100,000 alumni, donors, and community members annually
 - Incentivize community engagement
 - Expand credits, scholarships, and professional inducements for community-focused work
 - Enhance engagement capacity through position of Associate Dean (Community)
 - Seed and nourish local and global partnerships with community and industry

We will make our processes clearer, simpler, better than any other university

- We will be #1 in U15 for ease and speed of services and supports
- We will be #1 in U15 for investment in professional development
- 90% of students, postdocs, faculty, and staff agree they have the tools and services they need
 - Seamless student experience with increased flexibility to change majors or register in other program's courses
 - Annual re-orientation to increase awareness of services available to campus community
 - Invest in process improvement and professional development

NOTEWORTHY RANKINGS / ACCOMPLISHMENTS

The University of Calgary has been climbing in global rankings and is among the highest rated universities of its age.

- Rankings aren't everything and they tend to penalize young universities, but...
- [UCalgary is in the top 250 globally and 8th nationally](#) from over 25,000 universities globally; this puts us in an elite class
- #7 of Canada's top research universities in ReSearch Infosource Inc.'s [Top 50 Research Universities list](#) (2022 edition)
- [#1 sport science school in North America, #10 globally](#)
- UCalgary's [Suzette Mayr won Canada's top literary award, the Giller prize](#), for her novel The Sleeping Car Porter

STUDENT EXPERIENCE

By increasing focus on student experience, UCalgary has seen dramatic increases in student satisfaction.

- Measured by NSSE, [student satisfaction has steadily climbed over past decade](#)
- 78% of first-year students rate their experience as good or excellent, three points above top-five comparators
- 25.2% increase in undergraduate degrees awarded annually (2017 – 2022)
- 55% increase in graduate degrees awarded annually (2017 – 2022)
- UCalgary saw [higher engagement scores than Top 5](#) in almost all categories, no category below average
- UCalgary has a 94% post-graduation employment rate (vs. 12-16% youth unemployment)
- Launched [Hunter Student Commons building](#), space open to all faculties designed to enhance student supports
- [Taylor Institute for Teaching and Learning](#) brings together teaching and learning research and resources

RESEARCH

In the past decade the University of Calgary has rocketed up national research rankings – leading to more investment in our community and more opportunities for our faculty and students.

- [UCalgary is ranked 7th](#) among Canada's top research universities in sponsored research income
- \$117.8 million in Tri-Council research funding in 2021, a 64% increase from 2011
 - includes more than doubled CIHR funding for UCalgary health research over the last ten years
- Since 2017, UCalgary has been granted a 16% increase in Canada Research Chairs, with a further 16% increase in allotment announced in the most recent national distribution.
- Scholarly publications have grown by 50% between 2011 and 2021
- [Sport Injury Prevention Research Centre](#) globally recognized by IOC for injury prevention, athlete health

COMMUNITY IMPACT

UCalgary is growing our innovation ecosystem and strategic partnerships to strengthen communities.

- [UCEED](#) is a leading investor – 5 funds launched, [expected to have created 120 jobs by 2023](#)
- UCalgary partnered with the Alberta Cancer Foundation and Alberta Health Services to launch \$250 million [OWN.CANCER campaign](#) for the new Calgary Cancer Centre, so far \$177 million has been raised
- Partnered with Alberta's research universities to [track evidence of COVID-19 in wastewater provincewide](#)
- Libin Cardiovascular Institute director partners with AHS to [send life-saving medical supplies to Ukraine](#)

ONE CHILD EVERY CHILD

UCalgary will ensure kids in Canada are the healthiest, most empowered and thriving in the world.

- [\\$268 million investment in child health and wellness research](#)
- Largest research grant ever awarded to an Alberta university
- 132 organizations across 25 countries coming together through UCalgary to support kids
 - Partners like UNICEF, Alberta Children's Hospital Foundation, Azrieli Foundation and more
- Research to focus on 3 key areas:
 - Better beginnings – pregnant women, premature babies and young children
 - Precision health – supporting kids with complex medical needs
 - Vulnerable to thriving – children with neurodevelopmental and mental health needs
- Commitment to walking parallel paths with Indigenous elders, scholars and communities

ENERGY

UCalgary is transforming Canada's energy landscape with collaborative, forward-focused research.

- Bridging the gap between discovery and innovation with the \$3.75 million [UCEED Energy Fund](#)
- Partnered to create the [Energy Transition Centre](#) to transform the energy sector
- More than 300 scholars are actively involved in [energy research](#)
 - [Global Research Initiative](#) generating clean tech solutions, reducing our carbon footprint
 - Steven Bryant holds the [Canada Excellence Research Chair in materials and unconventional oil reservoirs](#)
 - Partnering with governments and businesses to test new ideas like [potential in blue hydrogen production](#)
 - Applying new solutions, develop applications at scale like extracting [hydrogen from bitumen](#)

AGRICULTURE

UCalgary is advancing Canada's food security through ag-tech research, public policies and startups.

- [Faculty of Veterinary Medicine](#) is advancing animal and human health through research

- Developing tools to [stop chronic wasting disease](#) in farm and wild animals
- Vet med scholars [skin regeneration discovery](#) could make scar-free healing possible
- UCalgary is doubling vet medicine enrolments to address Alberta's critical vet shortage
 - [\\$67 million in new provincial dollars](#) in 2022 to expand Doctor of Veterinary Medicine
 - Includes \$58.5 million for a new facility
 - Locally trained vets is the only long-term sustainable way to ensure animal care and ag industry in Alberta
- The [Simpson Centre](#) connects the agriculture industry to individuals through public policy research
 - Agriculture and society by investigating populational health and environment
 - Agriculture and economics by exploring sustainable productivity
 - Agricultural literacy through public education and outreach
- [Organoid Manufacturing Platform](#) developed by UCalgary is being used by NASA
 - Dr. Mark Ungrin created AggreWell which produces organoids NASA is using for space research

QUANTUM SCIENCE

UCalgary's entrepreneurial research approach is advancing quantum science and technology.

- UCalgary partnered with global tech firm Mphasis on [Quantum City](#), a new innovation hub
 - Mphasis's North America headquarters is coming to Calgary because of the talent here
 - Expanding quantum infrastructure, talent development, commercialization pathways
 - Creating 500-1000 short term jobs with 26,000 jobs across Alberta expected by 2040
- UCalgary is part of the province-wide [Quantum Horizons Alberta](#)
 - A \$25 million project driving world-class quantum research
 - Partnership with the University of Alberta and University of Lethbridge
- [Institute for Quantum Science and Technology](#) works with industry, driving quantum tech
- Canada has the largest investments in quantum companies globally
- With our unique innovation ecosystem, UCalgary takes research and tech investments further

DOWNTOWN REVITALIZATION

UCalgary researchers are creating the bedrock for Calgary's downtown redevelopment.

- School of Architecture, Planning and Landscape's is bringing new life to the city's core
 - UCalgary's [Civic Commons Catalyst](#) is supporting downtown revitalization research
 - Reimagining of the former public library demonstrates new purpose to existing infrastructure

SPACE RESEARCH

UCalgary is the place to study space.

- The University of Calgary is home to national and international leaders in space science, geomatics, communications and satellite systems.
 - Our researchers have been involved in more than 20 space missions including:
 - OSIRIS-REx NASA's mission to Earth-crossing asteroid Bennu to collect samples from the rocky surface
 - CASSIOPE the first Canadian hybrid satellite with a dual mission for telecommunications and research
 - Swarm a European Space Agency mission to study the Earth's magnetic field
- New Earth-Space Technologies (NEST) research strategy investigates how spatial information helps us make decisions about our world.
 - NEST involves research into sensor and sensor webs, global navigation satellite systems, remote sensing, space sciences like planetary astrophysics and geospatial modeling.
- Chancellor Emeritus and alumnus Dr. Robert Thirsk holds the Canadian record for the most time spent in space (204 days, 18 hours)