Faculty of Science:
Developing People and Transforming Economies

SCIENCE
THAT
HAS
IMPACT

Faculty of Science:
Discovery Begins Here

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Vision
The Faculty of Science aspires to be a premier postsecondary academic unit, recognized for the significance, novelty, and impact of its research, and for the quality, relevance, and currency of its undergraduate and graduate programs.

Mission
The Faculty of Science is devoted to the creation and application of scientific knowledge, both pure and applied, and to the dissemination of this knowledge through scholarly publication, undergraduate and graduate education, and community outreach and service.

Values
Excellence in Research and Scholarly Pursuits
High-Quality Teaching
Enthusiasm for Discovery
Cooperation and Collaboration
Community Engagement
Service

How to Donate to Science:
1. Visit uregina.ca
2. In the drop-down menu under Faculties & Academic Units, select “Science”
3. Click or tap “Donate Now” on the Faculty of Science web page
The Faculty of Science: Advancement Priorities

“Collectively, we represent a forward-looking academy with deep-community ties seeking to make meaningful contributions globally. Our successes are measured by the quality and the impact of our activities in teaching, research, and service, and by the legacy of successes of our alumni.”

Situated in the heart of the Prairies on Treaty 4 territory and the homeland of the Métis people, the Faculty of Science’s programs are offered through the efforts of talented academic, administrative, technical, and research staff across the Faculty’s six departments (Biology, Chemistry & Biochemistry, Computer Science, Geology, Mathematics & Statistics, Physics) and the University’s Federated Colleges. Science graduates become part of an educated workforce adept at harnessing the rapid pace of change in the modern world and addressing the challenges of today and tomorrow.

Among those graduates is Nevan Krogan BScHon’97, MSc’99, who received the 2012 Alumni Crowning Achievement Award for Distinguished Professional Achievement. Nevan, an internationally recognized systems biologist and professor in the Department of Cellular and Molecular Pharmacology at the University of California in San Francisco, led recent breakthroughs in research on the connections between HIV proteins and those of the human cell, with the possibility that their discoveries will lead to the development of new drugs to treat people with HIV/AIDS.

The Faculty values excellence in research, high-quality teaching, enthusiasm for discovery, cooperation and collaboration, community engagement, and service. The Faculty is strongly committed to the University of Regina’s three strategic priorities of student success, research impact, and commitment to community. Natasha Jacques BScHon’12, another notable member of our science alumni, is dedicated to making a meaningful impact on human lives with her innovative research. An artificial intelligence doctoral candidate at the Massachusetts Institute of Technology, Natasha is investigating the possible application of using advanced machine learning to help detect and predict when a person’s mental health is in decline, which is critical for early intervention.

In advancing our vision to be a premier scientific academy that is recognized for the significance, and impact of its research, and for the quality and relevance, of its academic programs, the Faculty has identified the following priorities:

DR. DOUGLAS FARENICK
- Dean, Faculty of Science, and Professor, Department of Mathematics & Statistics
- PhD 1990, University of Toronto
- University of Regina, BSc 1984 in Mathematics and Computer Science
- NSERC Discovery Grant Holder (continuously for 30 years)
- Author or co-author of 50 peer-reviewed journal articles and two books
- Centre de recherches mathématiques Post Doctoral Fellow
- Supervisor of PhD and undergraduate students, and postdoctoral fellows from Canada and abroad
CYPRESS HILLS FIELD STATION
Advancement Target: $1,500,000
Your investment will help build a technologically-advanced and environmentally-sustainable new facility that will be a showcase of research in the heart of Saskatchewan’s most unique ecological landscape. The proposed design of the new Field Station includes:

- A new and improved Field Station, twice the current size, with 12 bedrooms instead of six, and two modern bathrooms with shower facilities.
- Portable units enhanced with decking and cabin-like siding.
- A large kitchen and dining area, a comfortable living room, and plenty of lab space for research, along with enough refrigeration space for lab samples.
- A new communications system, with potential for a new SaskTel tower, allowing for computing and research capabilities.

In order to implement these new changes, the site will require:

- Improved access road for vehicles and fleet trucks.
- Reinforced creek crossings to withstand inclement weather.
- Replace current antiquated ATCO trailers with compact modular units that meet building code standards to accommodate biology and geology research.
- Remediating the current site and improving the collapsed well casing.
- Shoring up the unstable ground around the site with cement piles and steel beams.

UNIVERSITY OF REGINA FACULTY OF SCIENCE ASTRONOMICAL VIEWING FACILITY
Advancement Target: $150,000
We are eager to bring the Astronomy Program back to its former glory, and with your support the program can be reinvigorated through new telescopes, state-of-the-art computer visualisation equipment, and the renovation of the existing astronomy lab. Here is how your investment will help countless stargazers better observe and understand the night sky:

The viewing station on top of the Classroom Building once attracted thousands of visitors annually, lured by two state-of-the-art domed telescopes. Today, they no longer work. The infrastructure to maintain a working observatory requires replacement and the aging telescopes have not kept pace with the qualities of modern telescopes.

The astronomy lab needs new telescopes with new desks, smart boards, and built-in screens. The rooftop observatory needs new seating and the two large domes which house motor-drive telescopes need to be replaced, along with superior new eye pieces. New software needs to be installed so the telescopes can be programmed from afar. The leaky roof and sky deck also need repairs.

The University of Regina intends to:

- Purchase an 8-inch and 12-inch telescope, and other portable telescopes for research and outreach, allowing the University to better observe celestial events.
- Renovate the teaching space in the Classroom Building.
- Renovate the roof to accommodate the two new domed telescopes.

AWARDS AND SCHOLARSHIPS
Advancement Target: $150,000
We are seeking support for awards and scholarships, which recognize, financially reward, and promote the efforts of high-achieving students. The following are two scholarships the Faculty seeks to endow for the purpose of continuing to recognize exceptional students into the future:

- Dean of Science Scholarly Achievement Award
  In recognition of high academic achievement by students who have completed 60 to 90 credit hours of undergraduate study (two or three years at full load), the Dean of Science Scholarly Achievement Award is to be presented annually (with a goal of presenting one to a student from each Science department). Deans and Associate Deans contributed initially to develop this award. We welcome donations from all.

- Faculty of Science Indigenous Scholar Award
  In recognition of scholarly achievement by Indigenous students who have completed at least 30 credit hours of study, the newly created Faculty of Science Indigenous Scholar Award is to be presented annually to one Indigenous student.

SCIENCE PUBLIC LECTURE SERIES
Advancement Target: Three-Year Named Sponsorship of $10,000/year
This Lecture Series is one way the University demonstrates its commitment to engage, share knowledge with, and stimulate scientific interest in members of the community. We welcome your partnership, which will help ensure we have sufficient funding to continue providing this forum for public lectures, described as follows:

The Science Public Lecture Series is a series of annual lectures aimed at the general public and the U of R community. The series features leading scientists touching upon topics, ideas, and issues that are relevant to contemporary society. Invited speakers spend two days on campus, meeting with students, academic staff, alumni, and members of the public. Each lecture features a pre-lecture dinner with students, alumni, and select guests, and a reception after the lecture during which audience members may speak with the lecturer.

Established in 2018, thanks to a generous $20,000 seed-funding, the series was launched with two lectures by prestigious scientists. After a hiatus during the pandemic, the lecture series will return in 2022.
Vision
To take advantage of our place on Treaty 4 lands in the heart of the Canadian prairies to become a leading contributor among comprehensive universities in impactful scientific discovery and transformative scientific education.

Mission
To provide outstanding postsecondary education in Saskatchewan through impactful scientific discovery, excellence in teaching and research mentorship, preparing our students for engaging careers in all sectors of the economy, making notable positive impacts in our communities, leading the way in environmental stewardship and Indigenization, understanding the importance of our presence on Treaty 4 lands, and fostering an inclusive and diverse community of students, scholars, staff, and alumni.

Values
Excellence in Research and Scholarly Pursuits
High-Quality Teaching
Enthusiasm for Discovery
Cooperation and Collaboration
Inclusiveness
Reconciliation

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