



# UNIVERSITY OF CALGARY

The University of Calgary is Canada's top young university under 50 years of age and top six research-intensive university. It is located near the Rocky Mountains, in Calgary, Canada's energy capital and the 5th most livable city in the world. A community of 30,000+ exceptional students from all over the world. Around 26% of graduate students and 36% of faculty are international. Their 155,000+ alumni reside in 123 countries.

## Priority Research Areas:

- Energy Innovations
- New Earth Space Technologies
- Infections, Inflammation and Chronic Diseases
- Human Dynamics in a Changing World
- Engineering Solutions for Health: Biomedical Engineering

Established 1966

14 Faculties

152 Master and PhD  
Programs

204 Position in the 2015  
QS World University  
Ranking

\$352 Million External  
Research Funding

74 Canada Research  
Chairs\* in 2015

1 Canada Excellence  
Research Chair in 2015

\* Canadian Government program to attract and retain some of the world's most accomplished and promising minds.



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## University of Calgary Highlights

The University of Calgary is Canada's top young university and is seventh among the top research universities in Canada. The community is made up of 30,000+ exceptional students from all over the world.

We are Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude.

We are located near the Rocky Mountains in Calgary, Canada's energy capital and the **fifth most livable city in the world**.

The university offers an **Entrepreneurship and Innovation Option for all graduate students** to develop the knowledge and skills that support the creation of new products and processes.

**Advancing Canadian Wastewater Assets (ACWA)** is a unique-in-the-world research partnership, tackling global remediation questions that nobody else can to ensure clean drinking water for the planet.

University of Calgary **biomedical researchers** are at the forefront of advancing neurosurgery, joint repair and stem cell production and are producing unprecedented insights into global healthcare research challenges.

Among our most influential research facilities is the **Human Performance Lab (HPL)** that specializes in research relating to human neuro- and musculo-skeletal health from birth to advanced age.

The **Host-Parasite Interactions (HPI)**, a leading-edge international training program, prepares graduate students to tackle global issues such as parasite control, drug resistance, ecosystem impacts, food and water safety.

Our **energy research** is focused on creating a low carbon energy system while assessing the effects of energy-related processes and harnessing unconventional hydrocarbon resources. The Department of Chemical and Petroleum Engineering houses a number of **exceptional research laboratories**.

A **Graduate Academic and International Specialist** is a main point of contact on campus for international graduate students and offers an extended orientation for first year graduate students.

## Priority Research Areas

- **Energy Innovations**
  - Discovery new sources
  - Extract with minimal environmental impact
  - Export to markets
  - Plan for future
- **New Earth Space Technologies**
  - Sensor and sensor webs
  - Global navigation satellite systems including GPS
  - Environmental monitoring
  - Space sciences
  - Geospatial modelling
- **Infections, Inflammation and Chronic Diseases**
  - Natural resources and environment
  - Climate change
  - Infection and immunity
  - Inflammation
  - Family and social health
- **Human Dynamics in a Changing World**
  - Smart cities
  - Secure Societies
  - Cultural understanding
  - Economy
  - Creativity
- **Engineering Solutions for Health: Biomedical Engineering**
  - Integrated approaches for prevention and healthy aging
  - Technologies for improved diagnostics
  - Engineered novel therapeutics
  - Optimized health care system performance



- **Brain and Mental Health**

- Optimizing child and adolescent development and behaviour
- Enhancing healthy brain aging
- Stimulating Spinal cord, nerve recovery and regeneration
- Preventing and treating concussion and brain injury