



WESTERN UNIVERSITY

Located in London, Ontario, with annual research funding of \$240 million and a strong international reputation, Western University ranks as one of Canada's top research-intensive universities. If you choose to study at Western, you will benefit from internationally renowned faculty members, world-class research facilities, excellent graduate-level funding, and high-calibre graduate programs.

Priority Research Areas:

- Neuroscience/Brain and Mind
- Imaging
- Materials and Biomaterials
- Wind Engineering and Natural Disaster Mitigation
- Environmental Sustainability and Green Energy
- Planetary Science and Exploration

Established 1878

12 Faculties

159 Master and PhD
Programs

192 Position in the 2015
QS World University
Ranking

\$240 Million External
Research Funding

66 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.



WESTERN UNIVERSITY
1151 Richmond St,
London, ON
N6A 3K7

+1 (519)-661-2111
www.westernu.ca

Western University Highlights

Unique research facilities and labs

- [Brain and Mind Institute; Biomedical Imaging Research Centre](#)
- [Biotron Experimental Climate Change Research Facility](#)
- [Boundary Layer Wind Tunnel Laboratory](#)
- [Canadian Surgical Technologies & Advanced Robotics](#)
- [Centre for Planetary Science & Exploration](#)
- [Centre for Advanced Materials and Biomaterials Research](#)
- [Fraunhofer Centre for Composites Research](#)
- [Global Bone & Joint Health Innovation Institute](#)
- [Soochow–Western Centre for Synchrotron Radiation Research](#)
- [WindEEE \(Engineering, Energy and Environment\) Institute](#)

Ground-breaking research

- Dr. Chil-Yong Kang has developed an **HIV vaccine**, now in human clinical trials; Western is the only Canadian site, and a key member of the European AIDS Vaccine Initiative (EAVI2020).
- Western is a world-leader in “**brain and mind**” with some of the most accomplished scientists at the forefront of neuroscience research.
- Western’s **wind engineering** expertise has tested many of the world’s tallest or unusual buildings and longest bridges. A pioneer in wind engineering since the 1960s, Western is now home to the world’s first hexagonal wind tunnel and the most significant complement of wind-related research infrastructure in the world.
- Western’s **Centre for Planetary Science and Exploration** was the first affiliate of the NASA Lunar Space Institute (now named the Solar System Exploration Research Virtual Institute) outside of the United States and is affiliated with the Canadian Space Agency. The Centre is a world leader in Earth observation, monitoring and protection; exploration technologies; planetary processes; planetary materials and meteorites; and galactic and stellar processes.

Student Services:

- The [International and Exchange Student Centre](#) helps welcome you, provides orientation activities and offers support programs, social events, and individual assistance throughout your time at Western.

- The [Student Success Centre](#) offers job postings, classes and workshops, career fairs, employer information sessions, and individual counselling and career assessments.
- The [Student Development Centre](#) offers learning skills, writing support, counselling, leadership development and other essential services to ensure your success.
- At the Graduate level, the [Teaching Support Centre](#) provides resources and training for those involved in teaching, including courses just for international students.
- [Health and Wellness](#) resources include a dedicated team of doctors and health professionals available to students for free, and right on campus.
- The [University Students' Council](#) and [Society of Graduate Students](#) both provide services, events and resources specifically for students. More than 175 clubs operate on campus, including more than 40 cultural clubs as well as academic, political, philanthropic or special interest.

Priority Research Areas

- **Neuroscience/Brain and Mind**

- Internationally recognized research in a variety of disciplinary areas pivotal to understanding the brain, its function and health, including links to cell biology, brain imaging and psychology
- Home to the Brain & Mind Institute and Canada Excellence Research Chair, Adrian Owen



- **Imaging**

- Acknowledged leadership in the use and development of imaging technologies across the disciplinary spectrum, including sophisticated tools used in medical diagnostics
- Home to the *Biomedical Imaging Research Centre* and the *Centre for Imaging Technology Commercialization*

- **Materials and Biomaterials**

- Broadly recognized leadership in synthesis, characterization and application of materials, including lightweight composite materials
- Home to the *Centre for Advanced Materials and Biomaterials*, *Surface Science Western*, *Fraunhofer Project Centre @ Western* and the *LANXESS Global Butyl Research Centre*

- **Wind Engineering and Natural Disaster Mitigation**

- Global leadership in wind tunnel testing of some of the world's most recognizable buildings, bridges and structures
- Related work in hazard assessment, simulated structural testing and policy development to mitigate the effects of natural disasters

- **Environmental Sustainability and Green Energy**

- State-of-the-art climate change research facilities and leading work in alternative energy and biomass conversion to bio-oil

- Home to the *Biotron Experimental Climate Change Research Facility, Ontario Bioindustrial Innovation Centre* and *ICFAR*

- **Philosophy of Science**
 - Leaders in research related to conceptual issues concerning the origins and nature of scientific theories, relations among theories, as well as between theories and the world, and the impact of scientific theories on contemporary society
 - Home to the *Rotman Institute of Philosophy*

- **Planetary Science and Exploration**
 - The *Centre for Planetary Science and Exploration* advances efforts to understand Earth's formation, explore planets and apply technologies and techniques to mining, robotics and healthcare
 - Focused on the collection and analysis of extraterrestrial materials, and procurement of specialized equipment that allows for the characterization of materials brought back to Earth

- **Musculoskeletal Health**
 - Identified as a rapidly emerging area of research strength, this health science and technology-based cluster builds on multi-faculty excellence in skeletal biology, bioengineering, medical devices and clinical application
 - Trans-disciplinary approach to improving understanding of, and developing novel therapies for, debilitating bone and joint disorders, with the goal of maintaining lifelong mobility

