FAST FACTS

5th largest research university in Canada, with 39,500 students from every corner of Canada and more than 160 countries worldwide.

More than 7,600 graduate students; approximately 34% are international students.

5 campuses, including North Campus, Enterprise Square in the hub of downtown Edmonton, and Campus Saint-Jean, the only French-language campus in Western Canada.

Ranked among the top 100 research universities in the world.

More than 500 graduate programs in over 300 research areas.

Annual research funding of more than $508 million, a figure that has nearly tripled in the past decade.

400 independent research labs, from the leading-edge Agri-Food Discovery Place to the high-performance WestGrid computer lab.

Developed the globally-recognized Edmonton Protocol pancreatic islet transplantation, reducing the need for insulin injections for years at a time for Type 1 diabetics.

Home of the first Canadian industrial design program ever invited to New York’s International Contemporary Furniture Fair in its 20-year history.

Prominent alumni include a Prime Minister, a Nobel Laureate, and a Chief Justice of the Supreme Court of Canada.

52+ alumni branches around the world and 260,000 alumni worldwide.

Home of the first Faculty of Physical Education in the Commonwealth.

Ranked 9th out of 130 major North American universities for the creation of enduring spin-off companies.

Home to Canada’s first successful open-heart surgery.

Played a major role in confirming the existence of the Higgs Boson particle, which has been called “The Discovery of the Century.”

Member of the elite Worldwide Universities Network, a group of 18 leading research universities established to facilitate international research and teaching collaborations.

First major Canadian university to incorporate ethics training and professional development into all graduate programs.

Developed ‘lab-on-a-chip’ technology, a small, portable, diagnostic tool for cancer detection.

Completed the first draft of the human metabolome, a list of ingredients for human life, through the Human Metabolome Project.

Home of an active Graduate Students’ Association, providing health and dental plan, universal transit pass, and conference travel awards.

Offers a graduate student assistance program for counselling, well-being and professional development seminars/workshops.

Discovered TRIM22, a gene that can block certain forms of HIV and may one day be used to prevent the onset of AIDS.

UAlberta surgeons performed surgery using a robot from start to finish during a gastric bypass operation—the first surgery of its kind in Canada.

The University of Alberta respectfully acknowledges that we are located on Treaty 6 territory, traditional lands of First Nations and Métis people.

CONTENTS

RESEARCH ...................... 2
FUNDING ...................... 3
PROFESSORS .................. 4
PROFESSORS .................. 4
FACILITIES ...................... 5
PROFESSIONAL DEVELOPMENT .... 6
PROGRAMS ...................... 7
INTERNATIONAL STUDENTS....... 14
EDMONTON, TUITION & COSTS .... 15
ADMISSION REQUIREMENTS & APPLYING ......................... 16
At the University of Alberta, we bring together the best students, professors, and researchers from around the globe. We have built an exceptional and diverse community that provides world-class mentors in every discipline. Our graduate students inspire discovery, create new modes of thinking, and drive innovation for the public good.

I invite you to bring your talents and ideas to our university. We offer a wide range of programs and specializations, and flexibility through interdisciplinary collaboration—we empower you to explore. Join us in a learning experience that will push the boundaries of knowledge, and prepare you for success in an ever-changing world.
With nearly $508 million in annual research funding, U of A is in the top five among the U15 Universities.

Close to 400 teaching and research agreements with governments and partner institutions in 50+ countries

Produced 90 new inventions, 91 patent applications and 19 licenses/options to use technologies in 2013/14

---

Pioneered bitumen extraction from Alberta’s oil-rich soil and continue to pursue greener energy production methods

Played a key role in discovering insulin after UAlberta chemist James Collip refined the pancreatic extract obtained by Frederick Banting and Charles Best for use in humans

Prototyped a nano ultrasound device that can stimulate the re-growth of tooth root tissue

Acticoat, a silver-based wound dressing that is used in hospitals worldwide, was created by UAlberta engineer Robert Burrell

Holds three prestigious Canada Excellence Research Chairs in virology, arctic resources, and oil sands molecular engineering—$10-million prizes that supports Canada’s top professors and their research teams

41 3M National Teaching Fellows [the most in Canada]
Funding at the University of Alberta isn’t just competitive—it’s among the best in Canada. Both master’s and doctoral students benefit from healthy graduate funding packages.

With excellent funding opportunities and affordable tuition rates, UAlberta graduate students have a clear economic advantage.

**HOW FUNDING WORKS**

Departments formulate a funding package after you have applied for admission. Sources can include:

- Direct Tuition Relief
- UAlberta Scholarships & Awards
- Teaching or Research Assistantships
- Sessional Appointments

**WHAT CAN YOU DO?**

- **Apply early**—Most departments make funding decisions from December-April for applicants starting in September.
- **Apply for Tri-Council Awards*** from Canada’s three major research granting agencies:
  - CIHR (Canadian Institutes of Health Research)
  - NSERC (Natural Sciences and Engineering Research Council)
  - SSHRC (Social Sciences and Humanities Research Council)

*Mainly for Canadian/Permanent Residents, however some awards—including the prestigious Vanier doctoral scholarships—are open to international students

- **Explore other External Funding** - Many agencies/organizations offer graduate awards. Try these tips:
  - Contact UAlberta—the department offering your program may know of discipline-specific external awards
  - Contact your home country’s ministry of education—government ministries of education may have resources for funding education abroad
  - Contact the Canadian Embassy in your home country—a great resource for study abroad funding information
  - Explore graduate scholarship websites, such as [www.scholarshipscanada.com](http://www.scholarshipscanada.com) and [www.scholarships.gc.ca](http://www.scholarships.gc.ca)

**FAST FACTS**

- **Third highest average doctoral student funding in Canada** at nearly $26,600 CAD a year
  - 84% of doctoral students received more than $20,000 CAD a year during their first four years of study

  Among the **top five** Canadian universities in annual total research funding and **top-up funding for students holding prestigious awards** from Canada’s three federal government granting councils: CIHR, NSERC and SSHRC

- **Highest average funding in Canada** for thesis-based master’s students at nearly $20,600 CAD a year
  - 2,000 graduate students receive scholarship funding of close to $26.4 million CAD per year.

  **Graduate assistant amounts** rank among the top 5 in Canada, with more than $60 million in assistantships offered each year

- **Competitive graduate thesis tuition rates** compared to other Canadian institutions; approximately $5,600 CAD for Canadian students and $9,000 CAD for international students (dependent on p. 15).

  Based on 2017/18 tuition; figures subject to change

---

**GRADUATE AWARDS**
[www.ualberta.ca/graduate-studies/](http://www.ualberta.ca/graduate-studies/)

**VANIER SCHOLARSHIPS**
[www.ualberta.ca/graduate-studies/awards-and-funding/scholarships/tri-council-graduate-scholarships/vanier](http://www.ualberta.ca/graduate-studies/awards-and-funding/scholarships/tri-council-graduate-scholarships/vanier)

**CIHR AWARDS**
[www.cihr.ca](http://www.cihr.ca)

**NSERC AWARDS**
[www.nserc.ca](http://www.nserc.ca)

**SSHRC AWARDS**
[www.sshrc.ca](http://www.sshrc.ca)
Graduate studies is about you becoming an expert—taking an in-depth dive into your discipline and exploring all of the possibilities. There’s no better place to do that than the University of Alberta because you’re learning from the best. Our professors may start the momentum behind our inventions, accomplishments and successes, but graduate students—as junior colleagues—keep it moving. Through interdisciplinary research projects, joint publications, professional development opportunities, or even casual discussions over coffee, collaboration is at the forefront at UAlberta.

Largest academic staff association in Canada with more than 8,400 faculty, librarians, graduate assistants and other academic staff

120+ faculty are fellows of the Royal Society of Canada, the country’s national body of distinguished scholars; more than half of our RSC Fellows received this prestigious distinction in the last decade

Chemist Jillian Buriak is among Canada’s Top 40 Under 40 for her expertise in small, conductive nano-wires. Her nano know-how impacts several projects, including working with neurologists to investigate treatments for disorders such as multiple sclerosis.

D Graham Pearson is developing the first detailed picture of rock formations deep under the crust of Canada’s Arctic to revolutionize our understanding of diamond mines and boost exploration of minerals deposits in Canada’s North.

David Schindler is a globally-renowned water ecologist. Among his accolades is the Tyler Prize for Environmental Achievement, the most prestigious worldwide recognition for environmental research.

Dynamic research duo of brothers Sean (Printmaking) and Tim Caulfield (Health Law) are both recognized experts in their fields


Celebrated chemist Dennis Hall discovered an eco-friendly way to produce amides—organic compounds used in more than a quarter of all pharmaceutical drugs—where water is the only by-product

More national teaching awards than any other university in Canada

Yuntong She [Civil and Environmental Engineering] leads the largest river-ice research group in Canada, exploring new ways to predict ice jams

Warren H Finlay is an award-winning professor and researcher and founder of the Aerosol Research Laboratory of Alberta, where he developed the Alberta Idealized Throat to help researchers examine and test aerosols inhaled through the mouth: a major innovation in life-saving asthma research.

Largest academic staff association in Canada with more than 8,400 faculty, librarians, graduate assistants and other academic staff

120+ faculty are fellows of the Royal Society of Canada, the country’s national body of distinguished scholars; more than half of our RSC Fellows received this prestigious distinction in the last decade

Chemist Jillian Buriak is among Canada’s Top 40 Under 40 for her expertise in small, conductive nano-wires. Her nano know-how impacts several projects, including working with neurologists to investigate treatments for disorders such as multiple sclerosis.

D Graham Pearson is developing the first detailed picture of rock formations deep under the crust of Canada’s Arctic to revolutionize our understanding of diamond mines and boost exploration of minerals deposits in Canada’s North.

David Schindler is a globally-renowned water ecologist. Among his accolades is the Tyler Prize for Environmental Achievement, the most prestigious worldwide recognition for environmental research.

Dynamic research duo of brothers Sean (Printmaking) and Tim Caulfield (Health Law) are both recognized experts in their fields


Celebrated chemist Dennis Hall discovered an eco-friendly way to produce amides—organic compounds used in more than a quarter of all pharmaceutical drugs—where water is the only by-product
The University of Alberta’s five campuses are dynamic communities, continually growing with modern facilities that offer top-quality learning environments for students. These facilities allow our students and researchers to fully explore their areas of expertise along the pathway to excellence.

Our research labs, smart classrooms and libraries put critical resources at your fingertips, providing a foundation for success as you challenge, share, collaborate and discover.

---

**Canada’s first accredited School of Public Health**, a faculty dedicated to public health, wellness and prevention

A new **Medical Isotope and Cyclotron Facility** will revolutionize how medical isotopes are manufactured and establish the U of A as a centre of excellence in medical cyclotron research.

**Mazankowski Alberta Heart Institute**—a **major centre for complex cardiac care**, providing heart transplants and conducting advanced cardiovascular research

**Centennial Centre for Interdisciplinary Science**—one of only a few of its kind in the world, housing **interdisciplinary science research teams** in one facility with new lecture halls and labs

**UAAlberta Museums** contains more than **17 million objects in 35 collections**—from meteorites to textiles, to paleontology artifacts

**Edmonton Clinic Health Academy**—this **state-of-the-art clinic is transforming patient care** and health-care education by joining health sciences students with educators, clinicians and researchers in a team-oriented, one-stop health-care centre

---

**FAST FACTS**

**WORLD-CLASS FACILITIES**

**CAMPUSES**

www.campusmap.ualberta.ca

**LIBRARIES**

www.library.ualberta.ca

**EDMONTON CLINIC HEALTH ACADEMY**

www.echa.ualberta.ca

**CENTENNIAL CENTRE FOR INTERDISCIPLINARY SCIENCE**

www.ualberta.ca/science/about-us/facilities
The Graduate Student Internship Program develops a lot of skills that graduate students think they have but don’t actually have. It has been a life-changing opportunity for me. I am learning to integrate my passions and my skills to create my dream career.”

—Sandra Gawad Gad, PhD Candidate, Rehabilitation Medicine

Invest in your future with the University of Alberta’s Professional Development Requirement. We are the first Canadian university to implement this exciting initiative to help you recognize your talents, pursue your interests, learn professional skills, and make the connections that will help you excel in your chosen field.

PROFESSIONAL DEVELOPMENT

GRADUATE STUDENT INTERNSHIP PROGRAM
Secure a paid internship designed for graduate students. A minimum of $25 CDN/hr.*
Learn more: uab.ca/gsip

*Made possible by a Government of Alberta Grant

GRADUATE TEACHING AND LEARNING PROGRAM
Become a better teacher and a stronger leader.

GRADUATE STUDENT CAREER MENTORING PROGRAM
Find academic and non-academic mentors.

EVENTS AND WORKSHOPS (INCLUDING ENTREPRENEURIAL COURSES) | COMMUNITY VOLUNTEER PROGRAM | ONLINE RESOURCES | LEARN MORE: UAB.CA/GRADPD

“...a life-changing opportunity for me. I am learning to integrate my passions and my skills to create my dream career.”

—Sandra Gawad Gad, PhD Candidate, Rehabilitation Medicine

Explore campus life

EVENTS
www.ualberta.ca/events

CAMPUS LIFE
www.ualberta.ca/campus-life

OUTREACH
https://www.ualberta.ca/why-ualberta/communityoutreach

GRADUATE STUDENTS’ ASSOCIATION
www.gsa.ualberta.ca/

HOUSING
www.residence.ualberta.ca/

STUDY ABROAD
www.ualberta.ca/why-ualberta/international/go-abroad

Student Employment
TEACHING OR RESEARCH ASSISTANTSHIPS
Graduate assistantship amounts rank among the top 5 in Canada with more than $60 million in assistantships offered each year.
Computer gaming, cognitive linguistics, pathology or international trade—our 367 master’s and 172 doctoral programs aim to satisfy your inquisitive mind. It’s all yours to explore.

From theoretical thesis-based programs to course-based degrees with internships and practicums, our 300+ research areas give you many options to explore your field of knowledge.

And if you can’t find just the right fit, the University of Alberta encourages flexible, interdisciplinary approaches where students chart their own academic course.

**How To Find A Program**

- **Review department websites**—this is where you’ll find program and course outlines, specific research areas, profiles of professors and their research, and department contact information. See pages 7-12 for program names and websites and visit www.gradstudies.ualberta.ca

- **Contact a professor** matching your research interests—starting a dialogue with a UAlberta faculty member can be a great way to find a program that’s right for you. See Programs at www.gradstudies.ualberta.ca

- **Explore the University Calendar**—all graduate programs are listed in the Faculty of Graduate Studies and Research section. See www.registrar.ualberta.ca/calendar

**FAST FACTS**

- The Financial Times of London 2015 ranks UAlberta’s MBA program 86th in the world and third in Canada

- Nursing students have the opportunity to complete the [Graduate Certificate in Teaching and Learning](#) in Nursing Education as part of their program

- History and Classics—first chair at a Canadian university devoted to the study of ancient India

- Political Science—one of the only programs in Canada to offer a specialization in gender and politics

- Drama—first university in Canada with a [Playwright-in-Residence](#) and first university in Canada to offer MFA Directing, Theatre Design and Theatre Voice Pedagogy programs

- Computing Science—home of the Alberta Ingenuity Centre for Machine Learning, an [internationally-recognized leader in artificial intelligence](#) and machine learning research

- Civil and Environmental Engineering—ranked 18th in the world by Times Higher Education; largest mining engineering program in Canada and the 3rd largest in North America; [Canada’s premier petroleum engineering program](#)

- Renewable Resources—important partnerships with universities, government, and industry promote “excellence in the discovery, dissemination and application of knowledge about natural and managed ecosystems”

- Educational Psychology—home of the [Education Clinic](#); where 100+ graduate students get first-hand experience providing low-cost counselling, assessment, reading, and language services to the community

- Human Ecology—home of an outstanding [28,000-artifact collection](#) of historic and cross-cultural clothing and textiles
Agricultural, Food and Nutritional Science
- Animal Science
- Food Science and Bioresource Technology
- Human Nutrition
- Plant Biosystems

MSc (Thesis); MAg, MSc, MBA/MAg (Course Based); PhD
email: afnsgrad@ualberta.ca
www.afns.ualberta.ca

Biochemistry
- Biochemistry
- Biophysics
- Cellular Biology
- Molecular Biology
- Structural Biology

MSc (Thesis); PhD
email: gradinfo@biochem.ualberta.ca
www.biochem.ualberta.ca

Biological Sciences
- Ecology
- Microbiology and Biotechnology
- Molecular Biology and Genetics
- Physiology, Cell and Developmental Biology
- Plant Biology
- Systematics and Evolution

MSc (Thesis); PhD
email: bio.grad.coordinator@ualberta.ca
www.biology.ualberta.ca

Biomedical Engineering
- Advanced Prosthetics
- Magnetic Resonance Imaging (MRI)
- Nanostructured Biomaterials
- Spinal Cord Injury

MSc (Thesis); PhD
email: bmegrad@ualberta.ca
www.biomed.engineering.ualberta.ca

Chemical and Materials Engineering
- Biochemical Engineering
- Biomedical and Regenerative Medicine
- Carbon Capture and Utilization
- Corrosion and Wear
- Fluid Dynamics
- Materials Characterization and Processing
- Mineral Processing
- Molecular Modeling
- Nanomaterials and Biomaterials
- Process Control and Systems Engineering
- Polymer Science and Engineering
- Surface Science and Engineering
- Renewable and Conventional Energy, Including Biofuels and Oil Sands
- Reaction Engineering and Catalysis
- Thermodynamics
- Welding and Metallurgy
- Safety and Risk Management

MSc, MEng, MBA/MEng (Course Based); PhD
email: cme.grad@ualberta.ca
www.cme.engineering.ualberta.ca

Business (Master’s Level)
- Finance
- International Business
- Innovation and Entrepreneurship
- Public Policy and Management
- Natural Resources, Energy, and the Environment
- Sustainability

MBA, MBA/PharmD, MBA/JD, MBA/Mag, MBA/MEng, MBA/MF, MBA/MD (Course Based); MBA/MLIS (Course Based)
Master of Financial Management (Course-based); Masters of Accounting (Course-based)
email: mba@ualberta.ca
www.ualberta.ca/business/programs/mba

Business (Doctoral Level)
- Accounting
- Finance
- Marketing
- Operations and Information Systems
- Strategic Management and Organization

PhD
email: busphd@ualberta.ca
www.alberta.ca/business/programs/doctor-of-philosophy

Cell Biology
- Apoptosis and Signal Transduction
- Cancer
- Chaperones and Protein Folding
- Molecular Evolution
- Organelle Biogenesis and Disease
- Pathogen-Host Interactions
- Proteomics
- RNA Biology
- Virology

MSc (Thesis); PhD
email: cellbio@ualberta.ca
www.cellbiology.ualberta.ca

Aesthesiology and Pain Medicine (Offered through Medical Sciences)
- Mechanisms of myocardial protection
- Stem cells and Anesthetics
- Genetics, Transcriptomics, Proteomics, and Metabolomics
- Neurobiology of pain
- Cardiovascular pharmacology
- Applied pharmacology of local anesthetic agents
- Blood and blood substitutes
- Innovative methods of acute and chronic pain management
- Population-based outcome studies

MSc (Thesis)
email: dchaba@ualberta.ca
www.med.ualberta.ca/departments/anesthesiology-pain-medicine

Anthropology
- Archaeology
- Biological Anthropology
- Cultural Anthropology
- Linguistic Anthropology

MA (Thesis); PhD
email: anthgrad@ualberta.ca
www.ualberta.ca/anthropology

Art and Design
- Drawing/Intermedia
- History of Art, Design, and Visual Culture
- Industrial Design
- Painting
- Printmaking
- Sculpture
- Visual Communication Design

MA, MDes, MFA (Thesis); PhD
email: artdes@ualberta.ca
www.ualberta.ca/art-design
Chemistry
- Analytical Chemistry: Bioanalytical and Environmental
- Chemical Biology
- Chemical Physics
- Inorganic Chemistry: Organometallic, Materials and Nanotechnology
- Organic Chemistry
- Physical Chemistry: Theoretical and Computational

MSc (Thesis); PhD
email: gradadmission@chem.ualberta.ca
www.chemistry.ualberta.ca

Civil and Environmental Engineering
- Construction Engineering and Management
- Environmental Engineering or Science
- Geotechnical or Geo-environmental Engineering
- Mining Engineering
- Petroleum Engineering
- Structural Engineering
- Transportation Engineering
- Water Resources Engineering
- Civil (Cross-disciplinary)

MSc (Thesis); MEng, MBA/MEng (Course Based); PhD
email: civilgradapps@ualberta.ca
www.civil.engineering.ualberta.ca

Communication Sciences and Disorders
- Clinical Supervisory Process
- Cognition, Language and Service Delivery in Normal Aging, Dementia, and Aphasia
- Disorders of Articulation, Phonology, Fluency, Voice and Resonance
- Disorders of Feeding and Swallowing
- Hearing Conservation, Disorders of Hearing, Aural Rehabilitation
- Language Acquisition and Developmental Disorders
- Speech Physiology, Speech and Hearing Science and Acoustics

MSc (Thesis); MSc (Course Based); MSc-SLP/PhD
email: csd@ualberta.ca
www.rehabilitation.ualberta.ca/departments

Communications and Technology
- Social Impact of Digital Communication
- Communication Theory
- Strategic Communication
- Organizational Communications

MA (Thesis); MA (Course Based)
email: mact@ualberta.ca
www.mact.ualberta.ca

Community Engagement
MA (Thesis)
email: mace@ualberta.ca
www.ubc.ca/MACE

Computing Science
- Algorithmics, Theoretical Computing Science
- Artificial Intelligence, Machine Learning, Computer Games
- Bioinformatics
- Computer Vision, Computer Graphics and Image Processing
- Database and Multimedia Communications
- Networks and Distributed Systems
- Robotics
- Software Systems and Software Engineering

MSc (Thesis); PhD
email: gradinfo@cs.ualberta.ca
www.cs.ualberta.ca
MSc Multimedia Program email: csmmgrad@ualberta.ca
www.ubc.ca/csmm

Dentistry
- Community and Public Health
- Dental Hygiene
- Oral Biology
- Orthodontics
- Oral Medicine
- Periodontology

MSc (Thesis); PhD
email: dentistry.gradstudies@ualberta.ca
www.dentistry.ualberta.ca

Digital Humanities
- Cybertulture, Internet and Hypertext
- Geographical Information, Systems Mapping and Spatial Representation
- Multimedia Design
- Stylometrics and Computational Linguistics

MA (Thesis); MA/MLIS (Thesis); MA (Course Based)
email: ois@ualberta.ca

Earth and Atmospheric Sciences
- Atmospheric Sciences
- Environmental Earth Sciences
- Geology
- Human Geography
- Integrated Petroleum Geosciences
- Paleontology
- Urban and Regional Planning

MA, MSc (Thesis); MSc (Course Based); PhD
email: eas.eas@ualberta.ca
easweb.eas.ualberta.ca

East Asian Studies
- Chinese Art History
- Chinese Linguistics/Pedagogy
- Chinese Literature
- Japanese Art History
- Japanese Linguistics/Pedagogy
- Japanese Literature
- Japanese Religion
- Korean Literature
- Taiwanese Film

MA (Thesis)
email: easgrad@ualberta.ca
www.eastasianstudies.ualberta.ca

Economics
- Environmental and Natural Resource Economics
- Health Economics
- Industrial Organization and Law Economics
- International and Development Economics
- Microeconomics, Macroeconomics and Econometrics
- Monetary and Financial Economics
- Pacific Rim Economics
- Public Finance and Labour Economics
- Transportation, Urban and Regional Economics
PROGRAMS

EDUCATIONAL POLICY STUDIES
- Adult, Community and Higher Education
- Educational Administration and Leadership
- Indigenous Peoples Education
- Social Justice and International Studies in Education

MEd (Thesis); MEd (Course Based); EdD; PhD
email: epscoord@ualberta.ca
www.edpolicystudies.ualberta.ca

EDUCATIONAL PSYCHOLOGY
- Counselling Psychology
- Measurement, Evaluation and Data Science
- Psychological Studies in Education
- School Counselling
- School and Clinical Child Psychology
- Special Education
- Studies in Teaching and Learning English as a Second Language
- Teaching English as a Second Language (TESL)
- Technology in Education

MEd (Thesis); MEd (Course Based); PhD
email: edpsygrad@ualberta.ca
www.edpsychology.ualberta.ca

EDUCATIONAL STUDIES
- Leadership & School Improvement
- K–12 [see website for list of cohorts]
- International Baccalaureate (Advanced Certificate)
- Post Secondary

MEd (Course Based)
email: mesinfo@ualberta.ca
www.mes.ualberta.ca

ELECTRICAL AND COMPUTER ENGINEERING
- Biomedical Engineering
- Communications
- Computer Engineering
- Control Systems
- Electromagnetics and Microwaves
- Energy Systems
- Integrated Circuits and Systems
- Microsystems and Nanodevices
- Photonics and Plasmas
- Signal and Image Processing
- Software Engineering and Intelligent Systems
- Solid State Electronics

MSc (Thesis); MEng, MBA/MEng (Course Based); PhD
email: gradinfo@ece.ualberta.ca
www.ece.engineering.ualberta.ca

ELEMENTARY EDUCATION
- Curriculum and Instruction
- Early Childhood Education
- Language and Literacy Education
- Middle Years Education
- Subject Area Studies (Art, Mathematics, Science, Physical Education, Social Studies, Music, Second Languages, English Language Learning)
- Teacher Education
- Teacher-Librarianship
- Technology Integration

MEd (Thesis); MEd (Course Based); PhD
email: elemgrad@ualberta.ca
www.elementaryed.ualberta.ca

ENGLISH AND FILM STUDIES
- All areas of Period, Nation and Genre
- Literary Histories and Technologies
- Women’s Writing
- Critical and Cultural Theory
- Studies in Gender and Sexuality
- Studies in Postcolonialism

MA (Thèse); MA (Course Based); PhD
email: englgrad@ualberta.ca
www.efs.ualberta.ca

ÉTUDES CANADIENNES
- Bilinguisme / Bilingualism
- Commerce international / International Business
- Identités nationales / National Identities
- Relations internationales / International Relations

MA (Thèse)
email: cecan@ualberta.ca
www.csj.ualberta.ca

ÉTUDES EN LANGUE ET CULTURE
- L’éducation en immersion française
- L’éducation francophone en milieu minoritaire
- L’administration scolaire et le leadership
- Les politiques et l’administration de l’éducation

MEd (Thèse); MEd (Projet de recherche)
email: maitrise@csj.ualberta.ca
www.csj.ualberta.ca

HEALTH SCIENCES EDUCATION

MEd (Thesis); MEd (Course Based)
email: MEdHSE@ualberta.ca
www.edpsychology.ualberta.ca

HISTORY AND CLASSICS
- Classics: Ancient History, Classical Archaeology, Greek and Latin Literature
- History: Africa and the Middle East; British Empire; Modern Britain; Canada; China, Japan, and Korea; Medieval England; Early Modern England; Medieval Europe; Early Modern Western Europe; Modern Western Europe; Latin America; Russia and Eastern Europe; United States; Science, Medicine, and Technology; Women
- Ancient Societies and Cultures

MA (Thesis); MA (Course Based); PhD
email: gradstud@ualberta.ca
www.historyandclassics.ualberta.ca

HUMAN ECOnOgy
- Aging
- Children, Youth and Families
- Material Culture
- Textile and Apparel Science

MA, MSc (Thesis); MA, MSc (Course Based); PhD
email: hecgrad@ualberta.ca
www.hecol.ualberta.ca

INTERNETWORkING
- Internetworking Fundamentals
- Internetworking Infrastructures
- Project Management

MSc (Course Based)
email: mint@ualberta.ca
www.mint.ece.ualberta.ca

KINESIOLOGY, SPORT AND RECREATION
- Adapted Physical Activity
- Coaching Studies and Sport Psychology
- Health Psychology and Behavioral Medicine
- Neuroscience and Movement
- Physiology
- Recreation, Sport and Tourism
- Sociocultural

MA, MSc (Thesis); MA (Course Based); Master of Coaching (Course Based); PhD; Post - Graduate Certificate
email: ksrgrad.info@ualberta.ca
certificate email: perecertificates@ualberta.ca
uab.ca/ksr

LABORATORY MEDICINE AND PATHOLOGY
- Analytical and Environmental Toxicology
- Biopreservation (Cryobiology)
- Molecular, Anatomical, and Cancer Pathology
- Clinical Chemistry
- Virology and Microbiology
- Hematology, Hematopathology and...
Transfusion Medicine
- Pathologists’ Assistant

MSc [Thesis]; PhD
email: lmpgrad@ualberta.ca
www.uab.ca/lmpgrad

Law
LLM (Thesis); LLM, MBA/JD [Course Based]; PhD
email: law.admissions@ualberta.ca
lawschool.ualberta.ca

Library and Information Studies
- Collection Management of Digital and Paper-based Resources
- Digital Libraries, Knowledge Organization Systems, Visual User Interfaces
- Information Literacy, and Print and Media Literacies
- Information Seeking Behaviour
- Intellectual Freedom and Censorship
- Knowledge Networks, Scholarly Communication and Bibliometrics
- Knowledge Organization
- Library Architecture and Facilities Planning

MLIS, MA/MLIS [Thesis]; MLIS [Course Based]; MBA-MLIS [Course Based]
email: slis@ualberta.ca
www.slis.ualberta.ca

Linguistics
- Corpus and Quantitative Linguistics
- Discourse and Multi-Modality
- Experimental Phonetics
- Field Linguistics, Language Documentation and Revitalization
- Language Acquisition, Bilingualism, and Heritage Languages
- Languages of the Americas
- Prosodic Phonology
- Pragmatics and Figurative Language
- Psycholinguistics
- Sociolinguistics and Language Maintenance
- Typology

MSc [Thesis]; MSc [Course Based]; PhD
email: linggrad@ualberta.ca
www.linguistics.ualberta.ca

Mathematical and Statistical Sciences
- Applied Mathematics
- Mathematics
- Mathematical Finance
- Mathematical Physics
- Statistics
- Biostatistics
- Statistical Machine Learning

MSc [Thesis]; MSc [Course Based]; PhD
email: mathgrad@ualberta.ca
www.mathstats.ualberta.ca

Mechanical Engineering
- Biomechanical, Biomechanics, and Human Mechanical Systems
- Design and Manufacturing
- Energy and Environment
- Fluid Mechanics and Systems
- Mechanical Systems and Control
- Mechanics and Materials
- Reliability Engineering, Standards, and Safety Engineering
- Engineering Mechanics
- Engineering Management

MSc [Thesis]; MEng, MBA/MEng [Course Based]; PhD
email: mece.grad@ualberta.ca
www.mece.engineering.ualberta.ca

Medical Genetics (offered through Medical Sciences)
- Cancer
- Chromosome Structure
- Developmental Defects
- Gene Discovery
- Metal Transport
- Mitochondria
- Muscular Dystrophy
- Ocular Disorders

MSc [Thesis]; PhD
email: mggradpr@ualberta.ca
www.medgen.ualberta.ca

Medical Microbiology and Immunology
- Bacteriology
- Immunology
- Parasitology
- Virology

MSc [Thesis]; PhD
email: mmid1@ualberta.ca
www.mmi.med.ualberta.ca

Medicine
- Clinical Trials
- Disease-Based Cell Biology
- Disease-Based Molecular Biology
- Disease-Based Physiology
- Health Informatics
- Health Outcomes Research
- Genetics
- Medical Education

MSc [Thesis]; PhD
email: domgrad@ualberta.ca
www.medicine.med.ualberta.ca

Modern Languages and Cultural Studies
- Applied Linguistics
- Media and Cultural Studies
- Translation Studies
- Transnational and Comparative Literatures

MA [Thesis]; MA [Course Based]; PhD
email: mlcsgrad@ualberta.ca
www.ualberta.ca/modern-languages-and-cultural-studies

Music
- Choral Conducting
- Composition
- Performance

MMus [Thesis], MA [Thesis]; MA [Course Based]; DMus; PhD
email: musicgs@ualberta.ca
www.music.ualberta.ca

Native Studies
- Indigenous Peoples’ Approaches to Social Order (including Governance)
- Local Indigenous Relations
- Métis Studies and Indigenous Studies Theorizing

MA [Thesis]; PhD
email: nsadvisor@ualberta.ca
www.nativestudies.ualberta.ca

Neuroscience
- Rehabilitation Neuroscience
- Sensory and Motor Systems
- Synapses and Signaling
- Neural Development
- Neurochemistry and Psychiatry
- Neuroimaging
- Cognition and Behaviour
- Neurodegeneration and Cell Death
- Neurogenetics
- Clinical Neuroscience

MSc [Thesis]; PhD
email: nmhi@ualberta.ca
www.neuroscience.ualberta.ca
Nursing
- Nursing Education
- Chronicity
- Health Equity
- Health Systems

MN (Thesis); MN (Course Based); PhD (Campus and Online Cohort)
email: nursing.graduate@ualberta.ca
www.ualberta.ca/nursing

Obstetrics and Gynecology (offered through Medical Sciences)
- Control of Parturition/Preterm Labour
- Cytomegalovirus Infections in the Placenta
- Fetal Origins of Adult Disease
- Genomic/Metabolomic Diagnoses of Complications of Pregnancy
- Hypertension/Preeclampsia
- Molecular Regulation of Uterine Smooth Muscle Contractility
- Ovarian Cancer Biology
- Role of Bioactive Lipids in Pregnancy

MSc (Thesis); PhD
email: resadmin@ualberta.ca
www.obgyn.med.ualberta.ca

Occupational Therapy
- Bariatric Rehabilitation
- Clinical Reasoning
- Cognitive/Perceptual, Motor, and Psychosocial
- Functioning Across the Lifespan
- Community-Based Rehabilitation
- Conditioning, Exercise, and Persons with Disabilities
- Mental Health
- Neural Basis of Motor Control in Health and Disease
- Program Evaluation and Outcome Measures in Occupational Therapy
- Sexuality and Disability
- Social Determinants of Health Impacting Occupational Performance
- Technology and Human Interface
- Work Evaluation

MSc (Course Based)
email: mscot@ualberta.ca
www.ualberta.ca/rehabilitation/departments/occupational-therapy

Oncology
- Cancer Sciences
- Medical Physics

MSc (Thesis); PhD
email: oncolgra@ualberta.ca
www.oncology.med.ualberta.ca

Ophthalmology and Visual Sciences (offered through Medical Sciences)
- Electrophysiology of Vision
- Models of Retinal Degeneration and Therapies
- Ocular Anatomy
- Ocular Genetics

MSc (Thesis); PhD
email: ophthalm@ualberta.ca
www.ophthalm.med.ualberta.ca

Pediatrics (offered through Medical Sciences)
- Aboriginal Health, Genetics, Neonatology, Obesity
- Cardiovascular Research, Thrombosis
- Clinical Trials, Evidence-Based Medicine
- Gastroenterology
- Nephrology
- Neurology/Neurosciences
- Oncology/Cancer
- Pulmonology

MSc (Thesis); PhD
email: pedsgrad@ualberta.ca
www.ualberta.ca/pediatrics

Pharmacology
- Cardiovascular Pharmacology
- Diabetes Pharmacology
- Molecular Pharmacology
- Neuropharmacology

MSc (Thesis); PhD
email: pmcol.gradadmin@ualberta.ca
www.pmcol.ualberta.ca

Physiology
- Cardiovascular Physiology
- Cellular and Molecular Physiology
- Endocrinology
- Fetal/Neonatal Physiology
- Membrane Biophysics and Transport Physiology
- Renal Physiology

MSc (Thesis); PhD
email: grad.physiology@ualberta.ca
www.physiology.ualberta.ca

Physical Therapy
- Cardiorespiratory Illness
- Chronic Disease Management
- Critical Care
- Evidence Based Practice
- Healthy Aging
- Medical Screening
- Musculoskeletal
- Neurology
- Oncology
- Occupational Rehabilitation
- Pain Management
- Pediatrics
- Professional Practice
- Spinal Disorders
- Therapeutic Exercise

MSc (Course Based), MSc - PT/PhD
email: mscpt@ualberta.ca
www.physicaltherapy.ualberta.ca

Physics
- Astrophysics and Space Physics
- Biophysics
- Condensed Matter Physics and Materials Science
- Geophysics
- Particle Physics

MSc (Thesis); PhD
email: physgradprogram@ualberta.ca
www.ualberta.ca/physics

Political Science
- Canadian Politics
- Comparative Politics
- Gender and Politics
- International Relations
- Policy Studies
- Political Theory

MA (Thesis); MA (Course Based); PhD
email: psgrad@ualberta.ca
www.politicalscience.ualberta.ca

Psychiatry
International students are an integral part of the University of Alberta graduate student community. They make up more than 34% of our graduate student population—2,600+ students from more than 100 different countries.

University of Alberta International is an office that delivers a network of services that are designed specifically for international students.

Providing a friendly welcome at the airport, a specialized orientation, social events, and dozens of workshops throughout the year, University of Alberta International helps you transition to Canada and offers support during your time at UAlberta.

**International Student Services**

is a one-stop resource centre, offering orientation, workshops and seminars, plus personal advice on immigration, financial or academic issues. Students are always welcome to drop in with questions or just to relax, unwind and socialize. See www.iss.ualberta.ca

**International House**

is a student residence with a global outlook thanks to specially-designed social and cultural programming with an international focus. Both Canadian and international students gather under one roof to live, eat and work together.

**Sponsored Student Program**

The Sponsored Student Program links sponsoring organizations and their students with a UAlberta representative to ensure a smooth transition through the application process and into life as a student. Contact this office if you will be sponsored by your government or a national or multinational company.

▶ See www.studyincanada.ualberta.ca/sponsoredstudents

**Visiting Students**

Are you enrolled at another university but would like to experience UAlberta? Attend for a term or a year as a visiting student. Visiting students may be permitted to enrol in graduate-level courses, either through a formal exchange or with the consent of the department. We also have Research 900, a special registration for graduate student visitors who just want to conduct research at UAlberta without taking classes—and you still get access to UAlberta student privileges and services.

▶ See Applying & Admissions at www.gradstudies.ualberta.ca

**Working in Canada**

International students who are in good academic standing and have completed six months of full-time studies may be eligible to work off campus. See www.iss.ualberta.ca/workoffcampus

Once you graduate from the University of Alberta, you may be eligible to work in Canada for up to three years.

▶ See www.cic.gc.ca/english/study/work-postgrad.asp
Edmonton is a creative city where unique ideas and innovation come to life. You can explore your ideas and have the chance to turn them into a reality, whether it be an invention, a new business idea, or a new chance for involvement in the community.

The city boasts more green space per capita than any other North American city, including the spectacular North Saskatchewan River valley—an escape to nature that contains more than 100 kilometres of multi-use trails for cycling, hiking, running, and cross-country skiing.

Edmonton also has one of the sunniest climates in the country. We celebrate the best of all four seasons, and enjoy blue skies and sunshine year-round.

With the country’s top-ranked health system, one of the world’s most vibrant economies and the Rocky Mountains close by, Edmonton offers an outstanding quality of life.

Tuition & Cost of Living

This estimate is only meant as a guideline. Living costs vary greatly based on the type of accommodation, whether you are sharing accommodation with roommates, and your overall standard of living.

<table>
<thead>
<tr>
<th></th>
<th>Monthly</th>
<th>Full Year (Sept to Aug)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accommodation</td>
<td>$800 – $1,050</td>
<td>$9,600 – $12,600</td>
</tr>
<tr>
<td>Food</td>
<td>$250</td>
<td>$3,000</td>
</tr>
<tr>
<td>Clothing</td>
<td>$50</td>
<td>$600</td>
</tr>
<tr>
<td>Miscellaneous*</td>
<td>$155</td>
<td>$1,860</td>
</tr>
<tr>
<td>Cost of Living Total</td>
<td>$1,255 – $1,505</td>
<td>$15,060 – $18,060</td>
</tr>
<tr>
<td>Average Cost of Living</td>
<td></td>
<td>$16,560</td>
</tr>
<tr>
<td>Tuition &amp; Fees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Canadian student)</td>
<td>$5,625 CAD</td>
<td>$6,790 CAD</td>
</tr>
<tr>
<td>(International student)</td>
<td></td>
<td>$8,790 CAD</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$22,160</td>
<td>$25,350</td>
</tr>
</tbody>
</table>

*Miscellaneous includes monthly phone ($50), laundry ($30) and recreation/entertainment ($75).

Keep in mind:

- Your fees may be offset if you receive funding [see Top Funding on page 3]
- See www.ualberta.ca/graduate-studies

Tuition is based on the type of program—thesis or course based—and whether you are registered full-time or part-time.

Full-time graduate students should expect to pay each year approximately:

- Canadian Students
  - Thesis-based Master’s & Doctoral: $5,625 CAD
  - Course-based Master’s: $5,565 CAD

- International Students
  - Thesis-based Master’s & Doctoral: $9,020 CAD
  - Course-based Master’s: $10,000 CAD

Based on 2017/2018 tuition rates.
ADMISSION REQUIREMENTS

**Master’s Programs**
Applicants are normally required to have completed a four-year baccalaureate degree, or its academic equivalent, from the University of Alberta or an academic institution recognized by the University of Alberta.

An admission grade point average of 3 on most 4-point grading systems or B on most letter grading systems based on your most recent two years of full-time study (or equivalent) is required.

**Doctoral Programs**
Applicants are normally required to have completed a master’s degree, or its academic equivalent, from the University of Alberta or an academic institution recognized by the University of Alberta.

An admission grade point average of 3 on most 4-point grading systems or B on most letter grading systems based on your most recent two years of full-time study (or equivalent) is required.

SEE APPLYING & Admissions at www.gradstudies.ualberta.ca

**Degrees from outside Canada**
Since degrees vary greatly from institution to institution and country to country, the University of Alberta will examine course content to establish equivalencies to a UAlberta degree.

**English Proficiency**
Applicants with qualifications in a degree outside Canada may need to demonstrate English language proficiency by completing an approved English language exam.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Minimum Score (Note: Departments may have higher standards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL</td>
<td>Overall score of 88 with at least 20 on each individual skill area (internet-based) or 550 (paper-based)</td>
</tr>
<tr>
<td>MELAB</td>
<td>Minimum score of 85</td>
</tr>
<tr>
<td>IELTS (Academic)</td>
<td>Minimum overall band score of 6.5, with at least 5 on each band (Academic)</td>
</tr>
<tr>
<td>CAEL</td>
<td>Overall minimum score of 60, with at least 60 on each subtest</td>
</tr>
<tr>
<td>PTE (Academic)</td>
<td>Overall minimum score of 59</td>
</tr>
</tbody>
</table>

NOTE: This is the minimum standard for admission. Some departments may have additional or higher admission qualifications. Always visit the program/department website or contact the department directly for program specific admission requirements.

APPLYING

Applying to a graduate program involves three basic steps. You should begin the process as early as a year before you wish to attend.

**Identify a Program**
UAlberta offers some of the best graduate programs in Canada—more than 500 programs in 300+ research areas.

See Programs at www.gradstudies.ualberta.ca

Here you will find links to department websites and program overviews, providing a ‘snap-shot’ of need-to-know information.

**Review Program Requirements, Deadlines & Contact the Department**
Visit the department website to review your program’s specific requirements and contact the department if you have questions.

This step is critical because:

- admission requirements vary by program
- application deadlines and entry dates vary by program; some departments accept applications year-round while others only allow entry once a year
- application procedures vary; some programs require you to identify a potential supervisor before applying and some departments may require different documentation at different stages of the application process

**Apply Online**
After consultation, most departments require you to complete the central graduate studies online application.

A $100 CAD application fee is required.

- See www.gradstudies.ualberta.ca/apply

**WHY APPLY EARLY?**
Deadlines can vary depending on your program of interest; some deadlines are as early as 12 months before the program begins.

Early applicants are considered for funding; many departments formulate their funding packages between December and March for students starting in September.

International students should apply as early as possible because they will need to apply for a study permit. Study permit processing times vary by country, sometimes taking up to six months.

NOTE: Why Apply Early?
CONTACT US

DEPARTMENTS
The department offering your program of interest is your best source of information for specific questions. Try contacting one of the following individuals:

- Graduate Program Administrator—the department’s front-line contact who deals with the day-to-day details of your graduate program
- Graduate Coordinator—the faculty member assigned to oversee graduate programs for each department
- Graduate Supervisor—a UAlberta professor who will mentor you throughout your program’s progress

For department email and website links, see the program listing in this booklet or visit programs at www.ualberta.ca/graduate-studies

FACULTY OF GRADUATE STUDIES AND RESEARCH (FGSR)
FGSR is the central unit that oversees all graduate programs delivered through UAlberta departments. FGSR is the home faculty of all graduate students at UAlberta. You can contact FGSR with any questions about admission, fees, or funding.

LEARN MORE

<table>
<thead>
<tr>
<th>University of Alberta</th>
<th><a href="http://www.ualberta.ca">www.ualberta.ca</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Graduate Studies &amp; Research</td>
<td><a href="http://www.ualberta.ca/graduate-studies">www.ualberta.ca/graduate-studies</a></td>
</tr>
<tr>
<td>Graduate Students’ Association</td>
<td><a href="http://www.gsa.ualberta.ca">www.gsa.ualberta.ca</a></td>
</tr>
<tr>
<td>University Calendar</td>
<td><a href="http://www.registrar.ualberta.ca/calendar">www.registrar.ualberta.ca/calendar</a></td>
</tr>
<tr>
<td>Bear Tracks</td>
<td><a href="http://www.beartracks.ualberta.ca">www.beartracks.ualberta.ca</a></td>
</tr>
<tr>
<td>University of Alberta International</td>
<td><a href="http://www.studyincanada.ualberta.ca">www.studyincanada.ualberta.ca</a></td>
</tr>
<tr>
<td>Scholarships and Awards</td>
<td><a href="http://www.ualberta.ca/graduate-studies">www.ualberta.ca/graduate-studies</a></td>
</tr>
<tr>
<td>On-Campus Housing</td>
<td><a href="http://www.residence.ualberta.ca">www.residence.ualberta.ca</a></td>
</tr>
</tbody>
</table>

TAKE A VIRTUAL TOUR!
Explore UAlberta campuses online—no travel required!
Get a close up look at our world-class facilities and beautiful outdoor spaces.

ualberta.ca/campus-life/ourcampuses/northsouthcampus