

Universidad de Alberta

Agricultural Food & Nutritional Science (MSc & PhD)

- Animal Science
- Food Science & Bioresource Technology
- Human Nutrition
- Plant Biosystems

Biochemistry (MSc & PhD)

- Disease focused research

Biological Sciences (MSc & PhD)

- Ecology and Evolution
- Entomology
- Genomics
- Immunology and Infection
- Marine Biology
- Microbiology
- Model Organisms
- Molecular and Cellular Genetics
- Paleontology
- Physiology and Development
- Plant Biology

Biomedical Engineering (MSc & PhD)

- Nanostructured Biomaterials
- Spinal Cord Injury
- High-resolution MR Imaging
- Diffusion MR Imaging
- Cardiac MR Imaging
- Limbic System MR Imaging
- Brain MR Spectroscopy

Chemical and Materials Engineering (MSc & PhD)

- Biochemical & Biomedical Engineering
- Corrosion & Wear
- Energy
- Fluid Dynamics & Transport

- Metallurgy & Welding
- Mineral Processing
- Multiscale Modeling
- Nanomaterials & Nanofabrication
- Polymers
- Process Control & Systems Engineering
- Reaction Engineering & Catalysis
- Surface & Interfacial Science
- Thermodynamics

Chemistry (MSc & PhD)

- Analytical
- Chemical Biology
- Chemical Physics
- Green Chemistry
- Inorganic Chemistry
- Materials and Surfaces
- Nanotechnology
- Organic Chemistry
- Physical Chemistry
- Theoretical and Computational Chemistry

Civil and Environmental Engineering (MSc & PhD)

- Biomechanics
- Construction
- Environmental Engineering & Science
- Geotechnical & Geoenvironmental
- Materials
- Mining
- Petroleum
- Structural
- Transportation (related mostly to the design and planning of transport systems)
- Water Resources

Computing Science (MSc & PhD)

- Computing Science
- Computing Science with a Specialization in Statistical Machine Learning

Earth & Atmospheric Sciences (MSc & PhD)

- Atmospheric Sciences & Oceanography

- Environmental Earth Sciences
- Human Geography
- Paleontology
- Urban and Regional Planning
- Solid Earth Sciences

Electrical & Computer Engineering (MSc & PhD)

- 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

Mathematical and Statistical Sciences (MSc & PhD)

- Algebra
- Analysis
- Computational Mathematics and Optimization
- Differential Equations, Dynamical Systems, Fluid Mechanics, and Mathematical Biology
- Geometry, Topology, and Mathematical Physics
- Statistics, Probability, and Mathematical Finance

Mechanical Engineering (MSc & PhD)

- Biomechanics & Biomedical
- Design & Manufacturing
- Energy and Environment
- Engineering Management
- Fluid Mechanics
- Mechanical Systems
- Mechanics and Materials
- Reliability, Safety & Standards

Physics (MSc & PhD)

- Astrophysics and Gravity
- Biophysics
- Condensed Matter Physics and Atomic, Molecular & Optical Physics
- Geophysics

- Particle Physics
- Space and Plasma Physics

Renewable Resources (MSc & PhD)

- Agriculture and the Environment
- Conservation Biology
- Environmental Soil Science
- Forest Ecology and Management
- Reclamation and Restoration of Land and Water

Resource Economics and Environmental Sociology (MSc & PhD)

- Economics of Agriculture, Food & Agribusiness
- Environmental and Resource Economics



- Doctorat en agroéconomie
- Doctorat en aménagement du territoire et développement régional
- Doctorat en biochimie
- Doctorat en biologie
- Doctorat en biologie cellulaire et moléculaire
- Doctorat en biologie végétale
- Doctorat en biophotonique
- Doctorat en biostatistique
- Doctorat en chimie
- Doctorat en génie chimique
- Doctorat en génie civil
- Doctorat en génie des eaux
- Doctorat en génie des matériaux et de la métallurgie
- Doctorat en génie des mines
- Doctorat en génie du bois et des matériaux biosourcés
- Doctorat en génie électrique
- Doctorat en génie mécanique
- Doctorat en informatique
- Doctorat en mathématiques
- Doctorat en microbiologie
- Doctorat en physique
- Doctorat en sciences animales
- Doctorat en sciences des aliments
- Doctorat en sciences des aliments - microbiologie alimentaire
- Doctorat en sciences forestières
- Doctorat en sciences géographiques
- Doctorat en sciences géomatiques
- Doctorat en sols et environnement
- Doctorat en statistique
- Doctorat interuniversitaire en océanographie
- Doctorat interuniversitaire en sciences de la Terre



Queen's University School of Graduate Studies & Postdoctoral Affairs.

- **Biomedical & Molecular Sciences** – Research Fields (Pattern I) - M.Sc., PhD
- **Biomedical & Molecular Sciences – Anatomical Sciences** (Pattern II) - M.Sc.
- **Epidemiology** - M.Sc., PhD
- **Biology** - M.Sc., PhD
 - Biology
 - Plant Sciences
 - Climate change

- **Chemistry** - M.Sc., PhD
- **Computing** - M.Sc., PhD
- **Environmental Studies** – PhD
 - Water Quality

- **Geography** - M.Sc., PhD
- **Mathematics and Statistics** - M.Sc., PhD
- **Chemical Engineering** - M.A.Sc., PhD
 - Water, environment and renewable energy
 - Chemical Engineering

- **Civil Engineering** M.A.Sc., PhD
 - Water Quality
 - Civil Engineering (Entire department)
 - Marine/Ocean Engineering
- **Electrical & Computer Engineering** - M.A.Sc., PhD
 - Electrical and Electronic Engineering, Instruments Science and Technology, Computer Science Engineering, Remote sensing

- **Geological Engineering, Geological Sciences** - M.A.Sc., PhD, M.Sc.
 - Applied Chemistry (i.e., elemental, and isotopic geochemistry)
 - Hydrology
 - Water Quality
 - Geology (pretty much all aspects)
 - Environmental Science and Engineering.

- **Mathematics & Engineering** - M.A.Sc., PhD
- **Mechanical & Materials Engineering** - M.A.Sc., PhD
 - Water, Environment & Renewable Energy - Renewable Energies
 - Engineering – Mechanical Engineering, Biomedical Engineering, Materials Science and Engineering, Biotechnology, Aerospace Engineering, Transportation Science and Technology, Metallurgical Engineering
- **Mining Engineering** - M.A.Sc., PhD
 - Supply Chain, logistics and operations
 - Environmental management, climate change, energy efficiency management, renewable energy
 - Engineering – Mining and Minerals Engineering, metallurgical Engineering



UNIVERSITY OF
TORONTO

Universidad de Toronto

1. [Aerospace Science and Engineering \(PhD\), \(MSc\)](#)
2. [Astronomy and Astrophysics \(PhD\), \(MAsc\)](#)
3. [Biomedical Engineering \(PhD\), \(MAsc\)](#)
4. [Cell and Systems Biology \(PhD\), \(MSc\)](#)
5. [Chemical Engineering and Applied Chemistry \(PhD\), \(MAsc\)](#)
6. [Chemistry \(PhD\)](#)
7. [Civil Engineering \(PhD\), \(MAsc\)](#)
8. [Computer Science \(PhD\), \(MAsc\)](#)
9. [Earth Sciences \(PhD\), \(MAsc\)](#)
10. [Ecology and Evolutionary Biology \(PhD\), \(MAsc\)](#)
11. [Electrical and Computer Engineering \(PhD\), \(MAsc\)](#)
12. [Environmental Science \(PhD\)](#)
13. [Forestry \(MScF\)](#)
14. [Geography \(PhD\), \(MA, MSc\)](#)
15. [Materials Science and Engineering \(PhD\), \(MAsc\)](#)
16. [Mathematics \(PhD\), \(MSc\)](#)
17. [Mechanical and Industrial Engineering \(PhD\), \(MAsc\)](#)
18. [Nutritional Sciences \(MSc\)](#)
19. [Physics \(PhD\), \(MSc\)](#)
20. [Statistics \(PhD\), \(MSc\)](#)



- Biochemistry and Biomedical Sciences (Ph.D.)
- Biology (Ph.D.), (M.Sc.)
- Biomedical Engineering (M.A.Sc.)
- Chemical Biology (Ph.D.), (M.Sc.)
- Chemical Engineering (Ph.D.), (M.A.Sc.)
- Chemistry (Ph.D.), (M.Sc.)
- Civil Engineering (Ph.D.), (M.A.Sc.)
- Computational Science & Engineering (Ph.D., M.Sc., M.A.Sc.)
- Computer Science (Ph.D.)
- Computer and Software (M.Sc., M.A.Sc.)
- Earth and Environmental Sciences (Ph.D.), M.Sc.
- Electrical & Computer Engineering (Ph.D.), M.A.Sc.
- Engineering Physice (Ph.D.), M.A.Sc.
- Geography (Ph.D.), (M.Sc.)
- Mathematics (Ph.D.), (M.Sc.)
- Materials Science & Engineering (Ph.D.)
- Materials Engineering (M.A.Sc.)
- Mechanical Engineering (Ph.D.), (M.A.Sc.)
- Physics & Astronomy (Ph.D.), (M.Sc.)
- Radiation Sciences (Ph.D.), (M.Sc.)
- Software Engineering (Ph.D.), (M.Sc.)
- Statistics (M.Sc.)



Programas de doctorado

- [Actuarial Science – PhD](#)
- [Applied Mathematics – PhD](#)
- [Applied Mathematics - PhD \(Aeronautics\)](#)
- [Applied Mathematics - PhD \(Quantum Information\)](#)
- [Applied Mathematics - PhD \(Water\)](#)
- [Biology – PhD](#)
- [Biology - PhD \(Water\)](#)
- [Chemical Engineering – PhD](#)
- [Chemical Engineering - PhD \(Nanotechnology\)](#)
- [Chemical Engineering - PhD \(Water\)](#)
- [Chemistry – PhD](#)
- [Chemistry - PhD \(Co-op\)](#)
- [Chemistry - PhD \(Nanotechnology\)](#)
- [Chemistry - PhD \(Quantum Information\)](#)
- [Civil Engineering – PhD](#)
- [Civil Engineering - PhD \(Water\)](#)
- [Combinatorics and Optimization – PhD](#)
- [Combinatorics and Optimization - PhD \(Quantum Information\)](#)
- [Earth Sciences – PhD](#)
- [Earth Sciences - PhD \(Water\)](#)
- [Electrical and Computer Engineering – PhD](#)
- [Electrical and Computer Engineering - PhD \(Nanotechnology\)](#)
- [Electrical and Computer Engineering - PhD \(Quantum Information\)](#)
- [Geography - PhD](#)
- [Geography - PhD \(Aeronautics\)](#)
- [Geography - PhD \(Water\)](#)
- [Mechanical and Mechatronics Engineering – PhD](#)
- [Mechanical and Mechatronics Engineering - PhD \(Nanotechnology\)](#)
- [Physics – PhD](#)
- [Physics - PhD \(Nanotechnology\)](#)

- [Physics - PhD \(Quantum Information\)](#)
- [Pure Mathematics – PhD](#)
- [Pure Mathematics - PhD \(Quantum Information\)](#)
- [Statistics – PhD](#)
- [Statistics - PhD \(Biostatistics\)](#)
- [Sustainability Management - PhD \(Aeronautics\)](#)
- [Systems Design Engineering – PhD](#)
- [Systems Design Engineering - PhD \(Aeronautics\)](#)
- [Systems Design Engineering - PhD \(Nanotechnology\)](#)

Programas de Maestría

- [Applied Mathematics - MMath](#)
- [Applied Mathematics - MMath \(Quantum Information\)](#)
- [Applied Mathematics - MMath \(Water\)](#)
- [Biology - MSc](#)
- [Biology - MSc \(Water\)](#)
- [Biostatistics - MMath](#)
- [Chemical Engineering - MASc](#)
- [Chemical Engineering - MASc \(Nanotechnology\)](#)
- [Chemical Engineering - MASc \(Water\)](#)
- [Chemistry - MSc](#)
- [Chemistry - MSc \(Nanotechnology\)](#)
- [Chemistry - MSc \(Quantum Information\)](#)
- [Civil Engineering - MASc](#)
- [Civil Engineering - MASc \(Water\)](#)
- [Combinatorics and Optimization - MMath](#)
- [Combinatorics and Optimization - MMath \(Quantum Information\)](#)
- [Earth Sciences - MSc](#)
- [Earth Sciences - MSc \(Water\)](#)
- [Electrical and Computer Engineering - MASc](#)
- [Electrical and Computer Engineering - MASc \(Nanotechnology\)](#)
- [Electrical and Computer Engineering - MASc \(Quantum Information\)](#)
- [Geography - MSc](#)
- [Geography - MSc \(Aeronautics\)](#)
- [Geography - MSc \(Water\)](#)
- [Mechanical and Mechatronics Engineering - MASc](#)
- [Mechanical and Mechatronics Engineering - MASc \(Nanotechnology\)](#)
- [Physics - MSc](#)
- [Physics - MSc \(Nanotechnology\)](#)
- [Physics - MSc \(Quantum Information\)](#)
- [Pure Mathematics - MMath](#)

- [Statistics - MMath](#)
- [Systems Design Engineering - MASc](#)
- [Systems Design Engineering - MASc \(Aeronautics\)](#)
- [Systems Design Engineering - MASc \(Nanotechnology\)](#)