

What can I do with a Major in **General Science**?



For more information on the General Science Major at the U of L:

<http://www.uleth.ca/artsci/general-majors/programs>

Faculty of Arts & Science

SU060 Students' Union Building

Phone: 403-329-5106

Email: See [Contact Website](#)

Academic Advising:

<http://www.uleth.ca/ross/academic-advising>

The General Science Program at the University of Lethbridge

A General Major in the Sciences, unlike a single discipline major, allows students to customize their course selection to their interests and abilities. Students pursuing a General Science major select three disciplinary streams from the following; Archaeology, Biological Sciences, Chemistry, Computer Science, Geography, Kinesiology, Mathematics, Neuroscience, Physics and Psychology.

Where students compromise depth of focus in one area, they gain breadth of knowledge in a few key areas, thus increasing their flexibility. This multidisciplinary approach provides access to the "big picture" or the wider context of any subject area. Conversely, the courses students choose can enhance their focus, and provide a cross-discipline perspective on one particular theme.

The Bachelor of Science in General Science provides well-rounded studies for students pursuing Education. For more detailed career information and job titles, please see the 'What can I do with a Major in...' documents for each of your chosen streams.

Skills Developed

- Ability to Apply Scientific Concepts to Solve Problems
- Ability to Meet Deadlines
- Ability to Summarize Research Findings
- Attention to Detail
- Critical & Analytical Thinking
- Data Collection
- Decision Making
- Experimental Design
- Fieldwork
- In-Depth Knowledge of Scientific Knowledge
- Information Acquisition & Management
- Information Analysis
- Laboratory
- Observational
- Organizational
- Precision & Accuracy
- Problem Solving
- Research & Information Management
- Risk Assessment Techniques
- Statistical
- Synthesis of Complex Issues
- Teamwork
- Technical
- Work Independently
- Written & Oral Communication

Work Environments

The General Science major will provide graduates with an excellent foundation for further academic pursuits in journalism, education, law, medicine, dentistry, veterinary medicine, engineering and many others, depending on degree streams chosen. Studying Geography, Archaeology and Computer Science

could lead to work as a computer modeler for archaeological research. An emphasis on Kinesiology, Psychology and Biology might lead to opportunities in sports medicine, occupational therapy or drug research. Mathematics, Physics, and Computer Science could lead to entry-level aerospace occupations, engineering or research.

Graduates of the General Sciences program find employment in a wide range of industries and sectors, such as biotech research companies, pharmaceutical companies, petroleum producers, mining and forestry companies, national and provincial parks, environmental consulting firms, municipal utility companies, agricultural companies or government agencies. Graduates may also work with dairy and vegetable producers, brewers and distillers, federal and provincial regulators, hospitals and medical centres, conservation authorities or zoos and aquariums.

Entry Level Job Titles

These jobs are normally intended for new graduates and require 0 to 2 years of experience. It is important to note that many entry level positions require *some* related experience or demonstrated ability to perform job-related tasks. Even those positions that do not *require* experience will still prefer an experienced candidate, if one is available.

- Admissions Counsellor
- Assistant Psychologist
- Assistant Clinical Research Coordinator
- Assistant Scientist
- Biological Science Technician (Human & Animal Biological Samples)
- Biotech Analyst
- Conservation Associate Biologist
- Contract Environmental Field Technician
- Data Analyst
- Data Management Specialist
- Entry Level Biologist/Chemist/Scientist
- Entry Level Marketing Associate
- Entry Level Scientist
- Entry Level Study Technician (Animal Operations)
- Environmental Health Specialist
- Environmental Program Specialist
- Environmental Protection Specialist
- Environmental Technician
- Exercise Specialist
- Fisheries Officer
- Fitness Consultant
- Greenspace Program Coordinator
- Healthcare Coordinator
- Interpretive Naturalist
- Junior Biologist
- Junior Fisheries Biologist
- Junior Life Sciences Sales Specialist
- Laboratory Scientist/Technician
- Pharmaceutical Consultant
- Pharmacy Assistant
- Physiotherapy Assistant
- Pipeline Environmental Inspector
- Quality Assurance Auditor
- Research Assistant
- Research Technician/Technologist
- Technical Architect

Note: The U of L offers various resources and programs to facilitate students in gaining work and volunteer experience. Find an entry level position on the [CES job board](#) or join the [Management](#) or [Arts & Science](#) Cooperative Education Programs. Summer jobs, part-time work, internship positions and volunteer experience help students to enhance their skillset, and accumulate work experience for their future career.

Related Job Titles

These jobs generally require extensive, relevant work experience and/or further education.

- Agronomist
- Artificial Intelligence Analyst
- Assistant Laboratory Manager
- Associate Scientist
- Atmospheric Scientist
- Biologist
- Community Health Promoter
- Consultant

- Data Analyst
- Dentist
- Development & Research Assistant
- Economic Geologist
- Environmental Auditor
- Environmental Geologist
- Ergonomist
- Fitness Policy Analyst
- Food or Health Inspector
- Forensic Lab Analyst
- Geochemist
- Geochronologist
- Geologist
- Geomorphologists
- Geophysicists
- Glacial Research Scientist
- Health & Safety Officer
- Health Consultant
- Healthcare Coordinator
- Hydrogeologists
- Hydrologists
- Laboratory Services Supervisor
- Marine Scientist
- Medical Laboratory Technologist
- Mineralogists
- Natural Resources Specialist
- Occupational Health Specialist
- Occupational Therapist
- Oceanographer
- Paleocologist
- Paleontologist
- Petrologist
- Physical Activity Coordinator
- Physical Therapist
- Planetary Geologist
- Planning Officer
- Process Support Assistant
- Program Coordinator
- Programmer
- Project Manager
- Public Health Inspector
- Reference Lab Specialist
- Registry Manager
- Rehabilitation Therapist
- Researcher
- Scientific Equipment Sales Representative
- Sedimentologist
- Seismologist
- Soil Scientist
- Speech & Audiology Therapist
- Strategic Analyst
- Stratigrapher
- Structural Geologist
- Teacher
- Technical Writer
- Test & Inspection Technician
- Toxicologist
- University Professor
- Veterinarian
- Volcanologist
- Water Treatment Worker

Thinking Outside the Box: Other Possible Job Title

On average, people change their careers three to five times in their lifetime. So, no matter what major you choose, you may still be interested in opportunities totally unrelated to your program of study. We encourage you to be open to all possibilities! Your undergraduate degree can be a springboard for other educational pursuits, and your transferable skills and experience can prepare you to work in a multitude of settings.

- Actuary
- Acupuncturist
- Aerospace Engineer & Operations Technician
- Animal Breeder
- Author
- Bioethics Consultant
- Biomedical Technologist
- Business Development Research Analyst
- Business Systems Analyst
- City Recycling Manager
- Compensation, Benefits & Job Analysis Specialist
- Compliance Promotion Specialist
- Crime Scene Technician
- Executive Assistant
- Facilities Manager/Supervisor
- Forensic Laboratory Analyst
- Hazardous Waste Management Technologist
- Immigration Services Agent
- Instructional Coordinator
- Insurance Agent
- Intellectual Property Lawyer
- International Development Coordinator
- Journalist
- Management Analysts
- Market Research Analyst
- Massage Therapist
- Patient Advocacy
- Physician
- Pollution Control Technologist
- Product Marketing Manager
- Public Policy & Service Administrator
- Public Relations Specialist
- Quality Control Analyst
- Recreation Director
- Regulatory/Government Affairs Specialist
- Systems Security Analyst
- Volunteer Coordinator

Useful Resources

Recommended websites to assist in exploring the fields of the Sciences and their career opportunities.

Alberta Teachers Association Science Council

<http://sc.teachers.ab.ca>

Canadian Science

<http://www.science.ca>

National Research Council

<http://www.nrc-cnrc.gc.ca>

Natural Sciences & Engineering Research
Council of Canada

<http://www.nserc-crsng.gc.ca>

National Association of Science Writers

<http://www.nasw.org>

National Council for Science & the Environment

<http://www.ncseonline.org>

Youth Science Canada

<https://www.youthscience.ca>

Canadian Association of Science Centres

<http://www.canadiansciencecentres.ca>

Science, Technology & Innovation Council

<http://www.stic-csti.ca/eic/site/stic-csti.nsf/eng/Home>

Society for Canadian Women in Science &
Technology

<http://www.scwist.ca>

Canadian Environmental Jobs

<http://www.canadianenvironmental.com/envirojobs/>

Association for Women in Science

<http://www.awis.org>

American Association for the Advancement of
Science

<http://www.aaas.org>

Earth Works Jobs

<http://www.earthworks-jobs.com>

Biology Jobs

<http://www.biologyjobs.com>

New Scientist Jobs

<http://jobs.newscientist.com>

Eco Canada – Environmental Careers Organization

<http://www.eco.ca>

BioTalent Canada

<http://www.biotalent.ca>

BIOTECanada

<http://www.biotech.ca/>

Campus Resources

Career & Employment Services (CES)

<http://www.uleth.ca/ross/ces/>

Career Counselling (Counselling Services)

<http://www.uleth.ca/counselling/>

Academic Advising

<http://www.uleth.ca/ross/academic-advising>

Native Student Advising

<http://www.uleth.ca/ross/native-student-advising>

Student Success Centre – Study Skills, Learning
Strategies & Tutoring

<http://www.uleth.ca/student-success-centre/>

Accommodated Learning Centre
<http://www.uleth.ca/ross/accommodated-learning-centre/>

International Centre for Students
<http://www.uleth.ca/international/>

Registrar Office & Student Services
<http://www.uleth.ca/ross/>

Scholarship & Students Finance
<http://www.uleth.ca/ross/student-finance/>

U of L Students' Union & Student Clubs
<http://www.ulsu.ca/>

Campus Job Resources

Career & Employment Services Job Board
[CES Job board](#)

Arts & Science Applied Studies
<http://www.uleth.ca/artsci/applied-studies/students>

Arts & Science Co-op Education & Internship
<http://www.uleth.ca/artsci/coop>

Management Co-op Education
<http://www.uleth.ca/management/co-op>

Study Abroad & Exchanges
<http://www.uleth.ca/international/content/study-abroad-exchanges>

Management Study Abroad & Exchanges
<http://www.uleth.ca/management/study-abroad>

Career & Employment Services (CES)

CES assists U of L students and graduates with their career exploration and work search needs.

AH154 Anderson Hall, Phone: 403-329-2000
Mon- Fri: 9:00 a.m. to 12:00 p.m.
1:00 p.m. to 4:00 p.m.