What to do with a degree in

**BIOLOGICAL SCIENCES**

Biological sciences considers insightful, innovative and integrative research in diverse areas of life sciences, from biomolecules to the biosphere, and to the development of future leaders in the basic and applied biological sciences.

**Key Skills & Knowledge**

**Analytical and critical thinking:** Synthesize complex information; logical reasoning; critical thinking; in-depth knowledge of biological theory; understanding of scientific method of inquiry.

**Computer:** Computer simulation and computations.

**Technical:** Operate scientific/laboratory equipment and instruments; understand laboratory process.

**Communication:** Presenting and communicating technical and scientific data and ideas clearly and articulately to both the scientific and non-scientific communities using current technology.

**Research:** Collection, analysis and interpretation of data using the appropriate laboratory and/or field techniques; organizing vast amounts of data; inspect specimens; demonstrate precision and accuracy in data collection and observation; hypothesize, design and carry out experiments.

**Sample Job Titles**

Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: alis.alberta.ca/occinfo

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<tr>
<th>Agronomist</th>
<th>Health &amp; Safety Advisor</th>
<th>Pharmaceutical Salesperson</th>
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<tr>
<td>Animal Scientist</td>
<td>Health Care Administrator</td>
<td>Public Health Worker</td>
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<tr>
<td>Aquatic Biologist</td>
<td>Horticulturist</td>
<td>Researcher /Research Assistant</td>
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<tr>
<td>Bacteriologist</td>
<td>Laboratory Technician</td>
<td>Science Magazine Editor/Writer</td>
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<tr>
<td>Biostatistician</td>
<td>Marine Bacteriologist</td>
<td>Soil Scientist</td>
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<td>Bio-Technologist</td>
<td>Marine Biologist</td>
<td>Teacher/Professor</td>
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<tr>
<td>Conservationist</td>
<td>Marine Ecologist</td>
<td>Technical Writer</td>
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<td>Environmental Educator</td>
<td>Medical Illustrator</td>
<td>Toxicologist</td>
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<td>Environmental Health Specialist</td>
<td>Medical Laboratory Tech</td>
<td>Water Quality Technician</td>
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<td>Environmental Protection Worker</td>
<td>Medical Librarian</td>
<td>Wildlife Biologist</td>
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<td>Epidemiologist</td>
<td>Microbiologist</td>
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<td>Fisheries Conservationist</td>
<td>Molecular Biologist</td>
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<td>Food Scientist</td>
<td>Mycologist</td>
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<td>Genetic Counsellor</td>
<td>Oceanographer</td>
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<td>Geneticist</td>
<td>Parasitologist</td>
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**Need help deciding what to do?**

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. Request an assessment via CareerLink
Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- Alberta Women's Science Network (AWSN) and Mentorship Program: www.awsn.com/
- Alberta Society of Professional Biologists (ASPB): www.aspb.ab.ca/
- Association of Science and Engineering Technology Professionals of Alberta (ASET): www.aset.ab.ca/
- BioTalent Canada: biotalent.ca
- BIOTECanada: biotech.ca
- Canadian Association of Pathologists: www.cap-acp.org/
- Canadian Association of Science Centres: canadiansciencecentres.ca
- Canadian Bioethics: bioethics.ca
- Canadian Medical Association: www.cma.ca/
- Canadian Society for Medical Laboratory Science: csmls.org
- Emerging Health Leaders (EHL): emerginghealthleaders.ca/calgary
- SIMS (Students Interested in Medical Science): people.ucalgary.ca/~simsclub/
- Women in Science and Engineering (WISE): uofcwise.com

**Potential Industries**

- Agricultural
- Aquaculture
- Bioethics
- Biotechnology
- Blood bank technology
- Conservation
- Cytotechnology
- Education
- Environment & Conservation
- Food & Beverage
- Manufacturers
- Food & Drug consulting firms
- Forestry & Wildlife
- Funeral Services
- Government
- Hospitals & Medical Centres
- Laboratories
- Law & Drug Enforcement
- Medicine & Health
- Pharmaceuticals
- Publishing companies
- Research & Development
- Toxicology
- Zoos, Aquariums, National or Provincial Parks

**Job Boards**

- Indeed: https://ca.indeed.com/
- Biology Jobs: http://www.biologyjobs.com/
- Science Jobs: https://www.sciencejobs.org/
- LinkedIn: www.linkedin.com

**Additional Resources**

- Great Jobs for Biology Majors by Blythe Camenson
- Careers for Nature Lovers & Other Outdoors Types
- Careers in Oceanography, Marine Science & Marine Biology: ocean.peterbrueggeman.com/career.html
- What You Can Do With A Major In Biology: Real People. Real Jobs. Real Rewards. by Bart Astor

**Faculty Contact**

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E: biorecep@ucalgary.ca  
W: bio.ucalgary.ca  
W: ucalgary.ca/admissions/programs

**Student Clubs**

Biology Student Association  
bio.ucalgary.ca/undergraduate/student_life

**Aligned Majors:**

- Biochemistry
- Chemistry
- Ecology
- Natural Sciences