



CAREER PATHFINDERS

BIOLOGY DEGREE

The study of Biology encompasses any manifestation of life, from the DNA molecule to the interactions of organisms within the various ecosystems of the earth. This broad discipline includes the subject areas of Botany, Zoology, Microbiology, Ecology, Genetics and Molecular Biology. A Bachelor of Science in Biology can lead to employment in conservation or other government departments, work as a technologist in a research or industrial laboratory, as well as a career in education. It also provides the preparation necessary for those entering several professional programs including Dentistry, Medicine, Veterinary Medicine, Pharmacy and Optometry.

Career Options / Job Titles

(SOME MAY REQUIRE ADDITIONAL EDUCATION AND/OR TRAINING)

- Aquatic Biologist (NOC 2121)
- Bio-Engineer (NOC 2134)
- Biochemist (NOC 2112)
- Botanist (NOC 2121)
- Chemical Oceanographer (NOC 2113)
- Coroner (NOC 4165)
- Dentist (NOC 3113)
- Dietician and Nutritionist (NOC 3132)
- Ecologist (NOC 2121)
- Horticulturalist (NOC 2225)
- Marine Geologist/Geophysicist (NOC 2113)
- Marine Biologist (NOC 2121)
- Medical Librarian (5111)
- Zoologist (NOC 2121)

Skills Developed by Biology Majors

- Scientific writing
- Oral communication
- Analytical skills
- Lab skills
- Field skills
- Problem solving

Employers / Areas of Employment

- Biotechnical Companies
- Chemical Companies
- Consulting Firms
- Educational Institutions
- Environmental Organizations
- Government Agencies/Departments
- Health Agencies
- Health Care Facilities
- Libraries
- Non-Government Agencies
- Pharmaceutical Industry
- Private Practice
- Research Institutes
- Sports Organizations
- Trade/Professional Associations

Professional Associations and Websites

- Biology Fact Sheet <http://uwinnipeg.ca/factsheets/docs/factsheet-biology.pdf>
- NOC Codes <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Welcome.aspx>
- Alberta Society of Professional Biologists <https://www.aspb.ab.ca/>
- Canadian Botanical Association <http://www.cba-abc.ca/cbahome.htm>
- Association of Professional Biology <https://www.professionalbiology.com/>
- American Society for Microbiology <http://www.asm.org/>
- Associated Environmental Assessors of Canada Inc. <http://aesac.ca/>
- American Institute of Biological Sciences <https://www.aibs.org/home/index.html>
- Biology Jobs <http://www.biologyjobs.com/>
- VIU Biology Department <https://www2.viu.ca/biology/advising/jobsearch.asp>
- Biotalent.ca <http://www.biotalent.ca/>
- Botanical Society of America <http://jobs.botany.org/>
- Canadian Society of Zoologists <http://www.csz-scz.ca/careers.html>
- Canadian Society of Environmental Biologists <https://cseb-scbe.org/>
- The Canadian Society of Plant Biologists <http://www.cspp-scpv.ca/>
- Canadian Forests <http://www.canadian-forests.com/>
- Canadian Society for Molecular Biosciences <http://www.csmb-scbm.ca/index.aspx>
- Environment Canada Careers <http://www.ec.gc.ca/emplois-jobs/default.asp?lang=En>
- Environmental Careers Organization <http://www.eco.ca/>
- Environmental Chemistry.com <http://environmentalchemistry.com/>
- Environmental Expert <http://www.environmental-expert.com/>
- Nature Jobs <http://www.nature.com/naturejobs/science/>
- Canadian Society of Environmental Biologists <https://cseb-scbe.org/>