

# What can I do with my studies in BIOLOGY?

The information in this handout will provide you with ideas as to some typical careers/jobs that are associated with your degree, along with alternative careers that may not be as directly related to what you have studied. This by no means implies that these jobs are the only options you have. These careers are just samples of what you can do if you have the appropriate skills and experience.

**I can look for work now with my B.Sc. in Biology. Depending on my interests and experience, possible job titles include:**

Forensic Laboratory Technologist #2221	Botanist #2121	Fisheries Technologist #2221	Clinical Research Associate #4165
Marine Biologist #2121	Conservation Officer #2224	Medical Laboratory Technician #3212	Food Scientist - Technologist #2121
Mining & Petroleum Technician #2212	Fisheries Analyst #4161	Pharmaceutical Salesperson #6221	Laboratory Immunologist #2121
Research Biologist #2121	Health Educator #0311	Health & Social Policy Developer / Program Administrator #0411	Biostatistician
Pathology Technician	Scientific Illustrator	Research Assistant / Researcher #4164/4165	Informal Science Educator
Salesperson	Science Writer		

**I can look for work now outside my area of study. Depending on my interests and experience, possible job titles include:**

<i>Business</i>	Management Consultant #1122	Benefits Officer #1432	Marketing Specialist / Representative
	Quality Control / Quality Assurance Specialist	Public Relations Consultant #5124	Market Researcher #4163
	Recruiter #1223	Human Resources Specialist #1121	Job Analyst #1121
	Actuary #2161	Investment Advisor #1112	Entrepreneur / Venture Capitalist
<i>Education</i>	Academic Advisor #4143	Educator / Trainer #4131	Foreign Student Advisor
	Teaching Technician	Alumni Relations Officer	

## Communications

Writer #5121 / Author / Columnist	Editor #5122	Reporter #5123 / Correspondent
Journalist #5123	Broadcaster #5231	Publisher #0016
Technical Writer #5121	Book Reviewer	Web Developer/Producer
Producer		

## Other

Patent Agent #4161	Technology Transfer Officer	Informatics Specialist #2171
Policy Analyst #4161 / Government Policy Researcher	Laboratory Assistant	Administrative Assistant #1411
Data Management Administrator	Fundraiser #4212	Community Relations Officer

## With additional education/training or experience, I can become:

Agronomist #2123	Arboriculturist #2225	Bioethicist #2121	Bioinformaticist #2121
Biomedical Engineer #2148	Entomologist #2121	Cell, Molecule, Insect or Plant Physiologist #2121	Ecologist #2121
Coroner #4165	Forester #2122	Dietician & Nutritionist #3132	Embryologist #2121
Environmental Consultant #4161	Hospital Administrator #0014	Environmental Engineer #2131	Health Officers Supervisor #2263
Ergonomist #4161	Market Research Analyst #4163	Geneticist #2121 (Human or Molecular, Plant/Animal)	Microbiologist #2121
Horticulturist #2225	Mortician #6272	Neurologist #3111	Oceanographer #2113
Ornithologist #2121	Park and Wildlife Naturalist #2121	Zoologist #2121	Plant Anatomist #2121
Professor #4121, #4141	Public Health Director #0411	Systems Analyst #2171	Science Librarian #5111
Veterinarian #3114	Wildlife Biologist #2121	Toxicologist #2121	Physiotherapist #3142
Occupational Therapist #3143	Computer Networking	Environmental Law Consulting	Registered Technologist
Pharmacist #3131	Dentist #3113	Physician #3111/3112	Experimental Plant Biologist
Nurse #3152	Neurobiologist	Paleontologist #2113	Chiropractor #3122
Forensic Examiner #2211	Forensic Photographer #5221	Paramedic #3234	Public Health Director #0411
Scientific Research Department Manager # 0811	Pharmacologist #2121	Rehabilitation Specialist #3111	Secondary Teacher #4141
Environmental Biologist #2121	Mycologist #2121	Virologist #2121	Biochemist #2112
Epidemiologist #2161	Allergologist #3111	Pathologist #3111	Waste Management Program Co-ordinator #4161

For career descriptions, profiles and job outlooks visit the *National Occupational Classification Website* (<http://www23.hrdc-drhc.gc.ca/2001/e/generic/welcome.shtml>), *Job Futures* ([www.jobfutures.ca](http://www.jobfutures.ca)), and *Career Cruising* ([www.careercruising.com](http://www.careercruising.com), username & password available by contacting CAPS)

If you wish to explore your interests, identify your goals, and discover how to make the most of your education, we encourage you to sign up for the P.A.C.E. program (Program for the Advancement of Career Exploration). For more information visit <http://www.caps.mcgill.ca/programs/pace/>

Feel free to come by the CAPS office to make an appointment with a career advisor to discuss your career options and job search strategies.

## Employers

Agricultural Centres	Biotechnology Industry	Chemical Companies	Conservation Agencies
Consulting Firms	Dietary and Utilities Companies	Environmental Consulting Companies	Forestry Companies
Governments	Health and Educational Institutions	Hospitals and Medical Centres	Inspection Organizations
International Agencies	Laboratories	Law Firms	Manufacturing Firms
Museums	Pharmaceutical Companies	Publishing Companies	Public Health Service
Research Centres	Universities	Zoos and Aquariums	Fertility Clinics
Pulp & Paper Industry	Diagnostic Laboratories	Medical & Science Supply Companies	Biomedical Companies
Rehabilitation Centres	Non - Governmental Agencies	Nursing Homes	Management Consulting Firms
Scientific Journals			

## Skills of Biology Majors

- Concentrate for Long Periods of Time
- Organize and Maintain Accurate Records
- Desire for Precision
- Enthusiasm for Exploring
- Diligence
- Independent worker
- Information handling & organization
- Curiosity and creativity
- Statistical awareness
- Oral & written communication
- Numerical computation
- Analytical & quantitative abilities
- Innovative talents
- Problem solving
- Teamwork
- Living Organisms, Their Chemical & Biological Structure
- Cellular Structures, Organ Systems, Whole Organisms and the Process Involved in their Inter-Related Functioning
- Operate Scientific Equipment
- Proficient in Critical Speaking
- Thorough Knowledge of Basic Biological Theories and Practices
- Strong Interest in Organisms
- Biology theory & practical knowledge

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## Professional Associations

- Canadian Federation of Biological Societies ([www.cfbs.org](http://www.cfbs.org))
- Canadian Society of Zoologists ([www.csz-scz.ca/jpellerin/csz/](http://www.csz-scz.ca/jpellerin/csz/))
- Canadian Society of Microbiologists ([www.csm-scm.org](http://www.csm-scm.org))
- Canadian Botanical Association ([www.cba-abc.ca/](http://www.cba-abc.ca/))
- Human Biology Association ([www.humbio.org/](http://www.humbio.org/))
- Canadian Entomology Society ([www.esc-sec.org](http://www.esc-sec.org))
- Ecological Society of America ([www.esa.org](http://www.esa.org))
- Canadian Association of Pathologists (<http://cap.medical.org>)
- Canadian Society of Biochemistry, Molecular and Cellular Biology ([www.csbmcb.ca](http://www.csbmcb.ca))

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[www.caps.mcgill.ca](http://www.caps.mcgill.ca)