Cellular, Molecular, and Microbial Biology

Program Information
http://www.ucalgary.ca/admissions/sc_cmmb

Career Information

Student Clubs
Biology Student’s Association (BSA): http://people.ucalgary.ca/~biostdnt/
Students Interested in Medical Science (SIMS): http://people.ucalgary.ca/~simsclub/
Science Students Society (S3): sss@ucalgary.ca
Women in Science and Engineering (WISE): http://people.ucalgary.ca/~womense/

Key Skills and Knowledge

Research and laboratory - Administer biological tests; Collect and preserve field organisms; Laboratory procedures and safety

Analytical - Analyze and memorize large amounts of information; Interpretation of experimental or laboratory results; Observe and make measurements on organisms; Analyze data for trends

Teamwork - Oversee, supervise and contribute to a project

Communication - Conduct research and present findings in written format; Public speaking and oral communication skills; Write scientific technical and non-technical reports

Organizational - Manage time effectively; Set goals; Meet deadlines; Demonstrate precision and accuracy in data collection and observation; Data, time and resource management

Potential Industries

Agricultural                      Food & Beverage Manufacturers
Biomedical Technology           Food Safety
Biotechnology Companies        Government
Community Health, Epidemiology   Health Policy & Administration
Conservation Authorities        Hospitals and Medical Centres
Education                      Health Promotion & Patient Advocacy
Environment & Pollution Control Medical Research
Pathology  Testing Laboratories
Pharmaceutical Companies  Toxicology
Public Health  Veterinary Medicine
Public Relations  Zoos, Aquariums, National or Provincial Parks
Research & Development

Sample Job Titles

Bacteriological Technician  Meat Microbiologist
Biological System Specialist  Medical Laboratory Technologist
Biologist  Molecular Genetics Technologist
Bio-Safety Officer  Pathology Technician
Biostatistician  Pharmaceutical Technician
Cancer Researcher  Plant Molecular Biologist
Cardiovascular Researcher  Quality Control Microbiologist
Cell Biologist  Radiographer
Control Analyst  Research Scientist
Disease Area Corrector  Teacher/Professor
Environmental Officer  Technician
Inspection Manager  Testing Development Scientist
Health Educator  Toxicology Consultant
Laboratory Technician  Ultra Sound Technologist
Life Skills Counsellor

Associations, Professional Memberships or Conferences

Alberta Women's Science Network (AWSN) and Mentorship Program:  http://www.awsn.com/
Association of Science and Engineering Technology Professionals of Alberta (ASET):  
http://www.aset.ab.ca/pages/home/default.aspx
Canadian Association for Anatomy, Neurobiology, and Cell Biology:  www.usask.ca/anatomy/association.shtml
Canadian Society of Biochemistry, Molecular and Cellular Biology:  http://www.csbmc.ca/
Canadian Association of Science Centers:  http://www.canadiansciencecentres.ca/?n=28-193
Canadian Association for Clinical Microbiology and Infectious Diseases:  http://www.cacmid.ca/
Canadian Association of Pathologists:  http://cap.medical.org/
Canadian College of Microbiologists:  http://www.ccm.ca/
Canadian Federation of Biological Societies:  http://www.cfbs.org/
Canadian Medical Association:  http://www.cma.ca/
Canadian Network Toxicology Centres: http://www.uoguelph.ca/cntc/
Canadian Society for Immunology: http://www.csi-sci.ca/
Canadian Society for International Health: http://www.csih.org/
Canadian Society for Medical Laboratory Science: http://www.csmls.org/
Canadian Society of Biochemistry, Molecular and Cellular Biology: www.csmbcb.ca
Canadian Society of Microbiologists: http://www.csm-scm.org/
Pharmacological Society of Canada: http://www.pharmacologycanada.org/
SIMS (Students Interested in Medical Science): Events/resources regarding preparing for medical school or dental interviews. http://people.ucalgary.ca/~simsclub/
Society of Canadian Women in Science and Technology: http://www.scwist.ca/
The Society for Biomolecular Sciences: http://www.sbsonline.org/i4a/pages/index.cfm?pageid=1

Websites (Job Boards/Job Postings)

Bio Careers: http://biocareers.com/
Biotalent Canada: http://www.biotalent.ca/
Canadian Federal, Provincial and Municipal Government Jobs: http://govjobs.ca/
FSWEP Program: http://jobs-emplois.gc.ca/fswep-pfete/index-eng.htm
Health Careers: http://www.healthcareers.com/
LinkedIn: http://www.linkedin.com/
New Scientist Jobs: http://jobs.newscientist.com/
Science Careers: http://sciencecareers.sciencemag.org/

Books

Guide to Non-traditional Careers in Science by Kreeger, Karen Young
Opportunities in Clinical Laboratory Science Careers by Karni, Karen
Opportunities in Health and Medical Careers by D'Orazio, Leo paul & Snook Jr., I. Donald
Internships, Practicums, Volunteer Experience and Study Abroad Opportunities