



CAREER PATHFINDERS

BIOCHEMISTRY DEGREE

Biochemistry is an interdisciplinary major which combines studies in Biochemistry, Microbiology and Genetics. Students who major in Biochemistry examine life at a molecular level; this includes research into diseases, pesticides and forensic investigations. A Bachelor of Science in Biochemistry can lead to work in government and private sector laboratories. This major can also prepare students for entrance into dentistry or medical school.

Career Options / Job Titles

(SOME MAY REQUIRE ADDITIONAL EDUCATION AND/OR TRAINING)

- Biochemist (NOC 2112)
- Crime Lab Analyst (NOC 4311)
- Physiotherapist (NOC 3142)
- Pest Control Consultant (NOC 7444)
- Chemistry Technologist (NOC 2211)
- Coroner (NOC 4165)
- Pharmaceutical Salesperson (NOC 6221)
- Laboratory Technician (NOC 2211)
- Research Assistant (NOC 4012)
- Chemical Oceanographer (NOC 2113)

Skills Developed by Biochemistry Majors

- Laboratory technology skills
- Analytical skills
- Problem solving
- Research and investigation
- Communication skills

Employers / Areas of Employment

- Chemical Companies
- Educational Institutions
- Government Agencies/Departments
- Health Care Centres
- Manufacturing/Processing Companies
- Natural Resource industry
- Pest Control Companies
- Pharmaceutical Industries
- Research Institutes
- Retail/Wholesale Establishments
- Sports Organizations

Professional Associations and Websites

- Biochemistry Fact Sheet <http://www.uwinnipeg.ca/factsheets/docs/factsheet-biochemistry.pdf>
- NOC Codes <http://www5.hrsdc.gc.ca/NOC/English/NOC/2011/Welcome.aspx>
- Canadian Association of Medical Biochemists <http://www.camb-ambc.ca/>
- Biochemical Society <http://www.biochemistry.org/>
- American Society for Biochemistry and Molecular Biology <http://www.asbmb.org/>
- Association of Biomolecular Resource Facilities <https://abrf.org/>
- Association for Clinical Biochemistry and Laboratory Medicine <http://www.acb.org.uk/default.aspx>
- International Union of Biochemistry and Molecular Biology <http://www.iubmb.org/>
- Chemical Institute of Canada http://www.cheminst.ca/index.php?ci_id=1567&la_id=1