



CAREER PATHFINDERS

BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN

BIOCHEMISTRY

Overview

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.

“As a University of Winnipeg student, I enjoyed the quality instruction, the opportunities for work and volunteer activities and the one-on-one contact with professors who really care.”

- Kristin Streuber (B.Sc. Hons. Biochemistry), who is now a physician in Winnipeg.

Job Titles

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| <ul style="list-style-type: none">• Biochemist (NOC 21101)• Crime Lab Analyst (NOC 22100)• Physiotherapist (NOC 31202)• Pest Control Consultant (NOC 73202)• Chemistry Technologist (NOC 22100)• Coroner (NOC 41310)• Pharmaceutical Sales (NOC 62100)• Laboratory Technician (NOC 32120)• Research Assistant (NOC 41201) | <ul style="list-style-type: none">• Chemical Oceanographer (NOC 21102)• Post-secondary Teacher (NOC 41200)• Registered Nurse (NOC 31301)• Registered Psychiatric Nurse (NOC 30301)• Chemical Technologist and Technician (NOC 22100)• Pathologists' Assistant (NOC 32120)• Administrative Officer (NOC 13100) ^{1,2} |
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1 The numbers following each job title refer to [Canada's National Occupational Classification \(NOC\) code](#). Jobs may require additional education or training.

2 Government of Canada. "Biochemistry (26.0202), Bachelor's degree." Job Bank, 9 March 2020, <https://www.jobbank.gc.ca/studentdashboard/26.0202/LOS05>

Work Settings

- 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

Skills and Characteristics

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

Professional Associations and Other Links

- Canadian Association of Medical Biochemists <http://www.asbmb.org/>
- Biochemical Society <http://www.biochemistry.org/>
- Association of Biomolecular Resource Facilities <https://abrf.org/>
- Association for Clinical Biochemistry and Laboratory Medicine <https://www.acb.org.uk/>
- 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

This document is intended to provide a starting point for your career research. For more information about UWinnipeg's Biochemistry program, visit the [Department of Biochemistry](#) website and the [Biochemistry Fact Sheet](#).

Students are encouraged to [schedule an appointment with an Academic and Career Advisor](#) for assistance with career planning.
