



## CAREER PATHFINDERS

### BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN

# NEUROSCIENCE

## Overview

(FORMERLY BIOPSYCHOLOGY)

Neuroscience focuses on the relationship between the brain, the nervous system, and behaviour. It is a field that conducts research into genetic or naturally occurring neural diseases, as well as chemically induced injury, its effects on the brain and the attendant behaviour. A Bachelor of Science with a major in Neuroscience will give students knowledge of comparative anatomy, cellular biology and psychology. This degree, in the four-year Honours, can lead to graduate studies in either Biology or Psychology.

*“My experience studying in The University of Winnipeg Biopsychology Department has been amazing. The professors take a sincere interest in their students and want them not only to succeed at the undergraduate level, but also to teach them skills that carry through to their future careers.”*

- Tiffany Kolesar (BSc Honours)

## Job Titles

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| <ul style="list-style-type: none"> <li>• Biochemist (NOC 2112)</li> <li>• Crime Lab Analyst (NOC 4311)</li> <li>• Physiotherapist (NOC 3142)</li> <li>• Pest Control Consultant (NOC 7444)</li> <li>• Chemistry Technologist (NOC 2211)</li> <li>• Zoologist (NOC 2121)</li> <li>• Coroner (NOC 4165)</li> <li>• Pharmaceutical Salesperson (NOC 6221)</li> <li>• Laboratory Technician (NOC 2211)</li> <li>• Hospital Administrator (NOC 0014)</li> <li>• Doctor (NOC 3112)</li> </ul> | <ul style="list-style-type: none"> <li>• Research Assistant (NOC 1254, 4012)</li> <li>• Dentist (NOC 3113)</li> <li>• Doctor (NOC 3112)</li> <li>• Social and Community Service Worker (NOC 4152)</li> <li>• Teacher (NOC 4032)</li> <li>• Human Resource Professional (NOC 1121)</li> <li>• Family, Marriage, and Other Counsellors (NOC 4153)</li> <li>• Early Child Educator (NOC 4214)</li> <li>• Post-secondary Teacher, Research Assistant (NOC 4011) <sup>1,2</sup></li> </ul> |
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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. “Neuroscience (30.2401), Bachelor's degree.” Job Bank, 23 March 2020, <https://www.jobbank.gc.ca/studentdashboard/30.2401/LOS05>

## Work Settings

## Skills and Characteristics

- Biotechnical Companies
- Community Service Agencies
- Consulting Firms
- Educational Institutions
- Government Agencies/Departments
- Health Care Centres
- International Organizations
- Law Enforcement Agencies
- Non-Government Organizations
- Pharmaceutical Industry
- Research Institutes
- Trade/Professional Associations

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

## Professional Associations and Other Links

- Society for Neuroscience <http://www.sfn.org/>
- International Brain Research Organization <http://ibro.info/>
- Canadian Psychological Association <http://www.cpa.ca/>
- Science Careers  
<http://jobs.sciencecareers.org/searchjobs/?keywords=jobs+in+neuroscience&countrycode=US&widget=true&Search=Search+Jobs&qclid=CPLzweahkbnCFZA-MgodOHQALw>
- Canadian Association for Neuroscience <https://can-acn.org>

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

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

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