



Combined Honours in Biology and Psychology (Behaviour, Cognition and Neuroscience)

FACULTY OF SCIENCE



Who We Are

The combined honours degree in Biology and Psychology is an interdisciplinary program in behaviour, cognition and neuroscience. It allows students to explore basic processes of behaviour, perception and cognition and their underlying biological mechanisms and processes. Our program prepares students to enter postgraduate studies in basic and applied research in neuroscience, and for careers in health sciences including clinical psychology and medicine.

***the degree
that works***

Why Windsor

The Right Choice

Quality programs. Exceptional faculty members. A friendly, supportive campus. These are just a few of the reasons why Windsor is the right choice for you. We provide "the degree that works," an innovative, student-focused approach that combines learner-centred teaching with practical experiences to prepare its students for the challenges of tomorrow.

Vibrant and Dynamic

Windsor (www.city.windsor.on.ca/home) is a friendly community of 200,000. We're known for our exciting arts and entertainment scene, hundreds of restaurants, and abundant shopping. Outdoor enthusiasts can enjoy our moderate climate, many major waterways and countless parks. And, our strategic, international border location means Michigan is just across the river with concerts, world-class museums and four major league sports teams.

The Windsor advantage

Behaviour, Cognition and Neuroscience: a merging of sciences

Students with a strong interest in understanding how the brain works are addressing one of the great challenges of science in this century. Many of the issues of concern to society, including the very basis of learning, human social interactions, and mental health, are linked to neuroscience.

The interdisciplinary nature of the BSc Combined Major Program in Biological Sciences and Psychology gives students the best of the many worlds of science. This diversity allows students to gain a strong background in behaviour, cognitive and neuroscience and participate in a research-based program. Students will be well-prepared for a variety of career paths.

Cross-Disciplinary Opportunities

Students enjoy this opportunity for cross-disciplinary education at the University of Windsor. The scope of Psychology, Biological Sciences and a selection of courses from Physical Sciences at Windsor allows students to share a common foundation, as well as providing ample opportunity to focus their interests.

A variety of optional courses in Psychology and Biological Sciences provides students the freedom to sample potential areas of specialization.

Opportunities exist for classroom and research study in animal behaviour as well as exploration of brain structure and function. A core of faculty from Biological Sciences and

Psychology is committed to helping students reach their academic and career goals.

From first year onwards, courses couple dynamic lectures with hands-on laboratory experiences. Close personal contact between students and professors is enhanced in subsequent years by smaller class sizes, making learning a particularly rewarding and stimulating adventure.

Program Profile

BSc Combined Honours Biology and Psychology provides a solid foundation in behaviour, cognition and neuroscience that is ideal for students seeking careers in neuroscience research, through graduate studies at the MSc, or PhD level, either here at Windsor, or elsewhere. In addition there are staff research opportunities in the pharmaceutical industries or the health-science professions.

The disciplines of behaviour, cognition, cell biology, genetics, biochemistry, physiology and other branches of life sciences are included in the program.

Many research opportunities are available for students in each year of study. An undergraduate thesis is required in the final year. Bi-weekly neuroscience research colloquia provide students with the opportunity to meet outstanding visiting scientists and discuss current ideas and advances in the fields of behaviour, cognition, and neuroscience.

What You Will Take First Year

- Biology (55-141, 55-140)
- General Chemistry (59-140, 59-141)
- Psychology (46-115, 46-116)
- Paired Courses:
 - Computer Science (60-104, 60-106) or Earth Science (61-140, 61-141) and Physics (64-140, 64-141)
- Calculus (62-130, 62-140)

Admission Requirements

Six Grade 12 U/M courses including Grade 12 U English, 12 U Biology, 12 U Chemistry and 12 U Advanced Functions and Introductory Calculus.

This is a demanding program. Students applying to the combined Biology/Psychology program should have a strong high school average (at least 75-80%) and will be expected to maintain a B average in order to remain in good standing in the program.

Biological Sciences and Psychology Degrees

Available at Windsor:

- BSc Honours Biology and Psychology (Behaviour, Cognition and Neuroscience) with thesis

Other Biological Sciences degrees available:

- BSc Honours Biological Sciences with thesis
- BSc Honours Biological Sciences
- BSc Biological Sciences (40 credit major)
- BSc Honours Environmental Biology with thesis (Co-op)

Other Psychology degrees available:

- BA Honours Psychology
- BA Honours Developmental Psychology
- BA Honours Developmental Psychology with Thesis

FOR MORE INFORMATION PLEASE CONTACT:

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