



EXPERIENCE MAP

Behaviour, Cognition & Neuroscience



**FUTURE FULL
OF PROMISE.**



University
of Windsor

EXPERIENCE.UWINDSOR.CA

Skills and Knowledge of Behaviour, Cognition & Neuroscience Graduates

PROGRAM HIGHLIGHTS

If you're interested in life/behavioural sciences research, this is the program for you. It combines the biological aspects of psychology and biology relating to the brain and behaviour, and directed research-based undergraduate courses. It provides a pathway towards a career in neurobiology, psychology or medicine.

FUNCTIONAL KNOWLEDGE

- Understanding and analyzing how the brain works from the cellular level all the way up to human and animal behaviour
- Operating advanced scientific laboratory equipment and instruments
- Formulating, organizing, and maintaining detailed data records; performing statistical analyses
- Designing experimental studies to accomplish targeted goals or test specific hypotheses
- Taking careful measurements and recording precise observations using best practices/field techniques
- Understanding relevant topics in the medical and health sciences with depth and nuance

Degree Title / Program	Minimum Average	Admission Requirements
BEHAVIOUR, COGNITION & NEUROSCIENCE	70%	ENG. ADV. FUNC CHEM. BIO. required. CALC. VEC. strongly recommended. PHYS. recommended. 70% average in all attempted Science and Math courses, excluding DATA M.



- Courses of study specific to each program
- Activities and experiences that complement coursework (Outstanding Scholars, peer mentoring, VIP)
- Activities falling outside of the scope of set curriculum (Part-time job, clubs, volunteering, athletics)

Build your Skills and Experience

Your UWindsor experience is more than attending classes. It is a combination of academics, co-curricular activities, and extracurricular involvement. By making the most of all three elements of your university experience, you will maximize your opportunities to build your skills, broaden your personal network, and clarify your long term academic and career goals.

Career Planning Guide

Intentional career planning will help you prepare for your next step after graduation. It is a fluid, dynamic, and continuous process, meaning you can move on or return to an earlier stage at any time. You can even work through simultaneous cycles, like one for your long-term dream job and another for a summer job.



Explore Opportunities Using This Guide

Explore a selection of opportunities recommended for students in your program. This chart shows some of your many options – you don't have to do everything on it or limit yourself to it. Engage in opportunities from each of the three categories to set yourself up for success:



Academics

- Your coursework



Experience

- Ways to get involved



Career

- Plan ahead for what's next

HIP High-Impact Practice (HIP)

A HIP is an enriching educational experience that can be life-changing and often includes learning outside of the classroom while encouraging meaningful interaction and collaboration, such as:

- Co-op, internship or field experiences
- Research with faculty
- Culminating senior experience
- Capstone courses
- Service-learning
- Learning communities
- Study abroad

	First Year	Middle Years	Final Year
Academics	<ul style="list-style-type: none"> • Take first year required courses including Cell Biology, Biological Diversity, General Chemistry I and II, and Introduction to Psychology (Fall and Winter) • Review degree course requirements for all years of study and mesh them with professional or graduate school aspirations • Meet with BCN academic advisors in Biology or Psychology (strongly recommended) • Learn more about your program and campus during Welcome Week, including participating in the PASS program that will coach you on skills necessary to be a successful Faculty of Science student • Receive peer mentorship from an upper-year MySci advisor 	<ul style="list-style-type: none"> • Take required courses, including those that focus on specific aspects of brain function at the molecular, behavioural and cognitive levels • Consider declaring a minor and/or specialization • Check in with BCN academic advisor to make sure you are on the right path • Meet professors you are considering working with for your final year research project HIP • Continue taking courses required as preparation for professional schools • Study for and take professional school admission tests of interest 	<ul style="list-style-type: none"> • Complete all required courses for your degree • Prepare a research-based thesis in behaviour, cognition, or neuroscience (as required for program) • Meet with an academic advisor to go over graduation requirements • Apply to graduate through MyUWindsor Portal • <i>Apply</i> your knowledge through a field work or practicum course to culminate your senior experience HIP
Experience	<ul style="list-style-type: none"> • Attend biweekly BCN seminars to hear about world-renowned neuroscience research • Join clubs such as the BCN Students' Association, Science Society or Psychology Student Association • Begin the process of becoming a LEAD Medallion Scholar (in accordance with <i>Leadership, Engagement, Application, Discover</i>) – participate in credit and volunteer activities such as being <i>Engaged</i> by volunteering in a lab to help with research for professors and graduate students and/or <i>Discover</i> research opportunities as part of the Outstanding Scholars program HIP • Apply for a co-curricular experience such as VIP HIP • Join the USci Network to take part in collaborative and integrative science experiences • Participate in the Bystander Initiative workshop to gain skills that will help you be an effective and supportive ally to prevent sexual assault on campus 	<ul style="list-style-type: none"> • Take part in bi-weekly BCN colloquia in current behaviour, cognitive and neuroscience research • Continue the process of becoming a LEAD Medallion Scholar in ways such as <i>Applying</i> your knowledge through a summer research assistant or teaching assistant position within the Biology Department, becoming <i>Engaged</i> through service learning opportunities with Let's Talk Science and Science Rendezvous, and gaining valuable <i>Leadership</i> skills through roles within a club or society HIP • Participate in UWill Discover undergraduate research conference HIP • Gain a Global Perspective of Science (GPS) through an international exchange or by studying abroad HIP • Expand your skills by taking on a summer, part-time or volunteer position 	<ul style="list-style-type: none"> • Conduct research with a faculty member HIP • Join a professional association in your field such as the Southern Ontario Neuroscience Association • Attend Ontario Biology Day to present thesis research HIP • Become a MySci advisor to provide academic support and mentorship for first year students • Become a tutor for Students Offering Support (SOS) HIP • Complete LEAD Medallion Scholars in two areas for Bronze, three areas for Silver, or four areas for Gold in accordance with <i>Leadership, Engagement, Application, Discover</i> HIP
Career	<ul style="list-style-type: none"> • Analyze the requirements for graduate or professional schools • Create lists of things that you enjoy, areas in which you excel, and your skills • Get involved with a part-time job, volunteer opportunity, campus group, or research assistantship • Meet with a career advisor in Career Development and Experiential Learning (CDEL) for help developing a plan for your future years, including attending a career assessment workshop or appointment, attending workshops to learn how to find a summer or part-time job and write a resumé and cover letter, and dropping in to meet with one of CDEL's peer advisors to get answers to your career and job search questions 	<ul style="list-style-type: none"> • Explore further educational opportunities by attending the Graduate and Professional Schools Fair and researching admission requirements for programs you are interested in • If you are considering applying to graduate or professional school, be aware of early application deadlines • Explore opportunities and meet employers through job fairs and employer networking events • Research career fields and occupations with the help of a CDEL career advisor, including attending the Using Social Media to Leverage Your Career workshop • Create a LinkedIn profile and have it critiqued 	<ul style="list-style-type: none"> • Compose a portfolio of relevant academic and work experience • Set up an in-person mock interview with a career advisor for professional school or job applications • Meet employers at the annual job fair in January • Meet with CDEL to prepare application documents like a resumé, cover letter, CV, or personal statement for jobs and education programs you are applying to • Attend an Interview Skills Workshop and Job Search Tips Workshop • Use InterviewStream to practice your interview skills online

Behaviour, Cognition & Neuroscience

Life After Graduation

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Number of Behaviour, Cognition & Neuroscience Graduates (2017)

89.4%

Employment rate of graduates 2 years following degree completion (OUGS Biological Sciences, 2014)



“The Behaviour, Cognition and Neuroscience program provided me with invaluable academic opportunities. An early integration into research combined with the unremitting support from admirable faculty truly inspired my passion for science and discovery. I have gained so much from this program and will continue to apply my experiences in research and medicine.”

Jessica Garabon – BSc (Honours) in Behaviour, Cognition and Neuroscience [2016]



COMMON INDUSTRIES FOR BEHAVIOUR, COGNITION & NEUROSCIENCE GRADUATES

- **Academia:** advanced biological research
- **Biomedical and biotechnical research**
- **Education:** curriculum design, teaching
- **Government:** research and policy development
- **Industry:** consultation, product development/testing
- **Medicine and dentistry**
- **Other healthcare professions**
- **Psychology practice:** private, healthcare, corrections
- **Social service and community agencies**

CAREER TRACKS*

Audiologist	Forensic scientist	Neurologist	Psychiatrist
Child and youth worker	Lab technician	Optometrist	Public health educator
Clinical psychologist	Laboratory supervisor	Pharmaceutical salesperson	Public policy analyst
Clinical research assistant	Lawyer	Pharmacist	Science journalist
Community development Worker	Marine biologist	Pharmacologist	Teacher
Counsellor	Medical director	Physician's assistant	Toxicologist
Doctor	Microbiologist	Professor	Veterinarian

* Additional education and/or training required for some of the above careers.

CAREER-READINESS COMPETENCIES



Critical Thinking and Problem Solving

Using strategic and creative thinking to make decisions and evaluate solutions



Teamwork and Collaboration

Working as a productive member of a group and collaborating with others to achieve set goals



Professionalism and Work Ethic

Demonstrating personal management practices and a high level of integrity and ethical behaviour



Communication

Appropriate and effective articulation of ideas and information to a range of audiences



Campus Resources

- Research scholarships and bursaries through the **Student Awards and Financial Aid Office**
- Visit **Leddy Library** and the **Writing Support Desk** for help with academic assignments
- Explore mentorship opportunities through the **Connecting4Success (C4S)** and **Bounce Back** programs
- Improve study skills through the **Skills to Enhance Personal Success (STEPS)** program
- Get advice and support about your academic status by making an appointment with **Academic Advising**
- Seek out assistance with academic accommodation from **Student Accessibility Services**
- Discover ways to get involved on campus through the **Student Success and Leadership Centre**
- Look into the **Ignite: Work Study** program for on-campus employment opportunities
- Apply to **VIP** to get involved in a community service learning experience
- Get assistance developing your career plan and job search skills from **Career Development and Experiential Learning**
- Consult with the **EPICentre** if you are interested in starting your own business
- Broaden your cultural awareness through the **International Student Centre** and **Student Exchange Office**
- Find support for Indigenous learners and broaden your understanding of Indigenous culture by visiting **Turtle Island**
- Tend to your health and wellness with support from **Student Health Services** and **Lancer Recreation**
- Receive confidential mental health counselling delivered by trained professionals at the **Student Counselling Centre**
- Seek personal support or learn more about sexual violence education through the **Sexual Misconduct Response and Prevention Office**

Student Recruitment

Phone: 519-973-7014
Toll-Free: 1-800-864-2860
Email: info@uwindsor.ca

Department of Biological Sciences

Phone: 519-253-3000, Ext. 2695
Email: biosci@uwindsor.ca

Department of Psychology

Phone: 519-253-3000, Ext. 2217
Email: psychology@uwindsor.ca

Career Development and Experiential Learning

Phone: 519-253-3000, Ext. 3895
Email: careerservices@uwindsor.ca
experience.uwindsor.ca



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