

# Biology

**BSc, iBSC** | [www.glendon.yorku.ca/biology](http://www.glendon.yorku.ca/biology)

Glendon offers the first and only bilingual Biology BSc in Southern Ontario. With courses that focus on ecology, evolution and behavioural biology, our program is uniquely qualified to train students for careers in numerous fields of biology such as natural resource management, conservation, environmental protection and research and development in top private and public sectors. Our campus is embedded in a natural landscape, which makes for a great outdoor classroom. Our professors are internationally known and include Natural Sciences and Engineering Research Council of Canada-funded faculty and the York Research Chair in Primate Behavioural Endocrinology. Our BSc is an excellent springboard for bilingual health-related careers, currently in high demand in Ontario.



## Two-week intensive research course in Gaspé, Québec

*“This experience confirmed for me how important it is to have a practicum,” says Izabella, “because we got to see everything we learned. It demonstrated how dynamic biology is in the field.” Megan agrees: “It brought the classroom to life, and it gave me insight into how research unfolds. Now when I read a journal article, I have an understanding of what the authors actually experienced.”* – **Izabella M. and Megan S., 4<sup>th</sup>-year biology majors**

## Boost Your Major

- Enrol in a field course in Toronto or in the province of Quebec
- Take part in YU ROCI, a student-led biodiversity monitoring program on campus
- Join the Jane Goodall’s Roots & Shoots – Glendon Chapter
- Participate in a professor’s research or develop your own research project

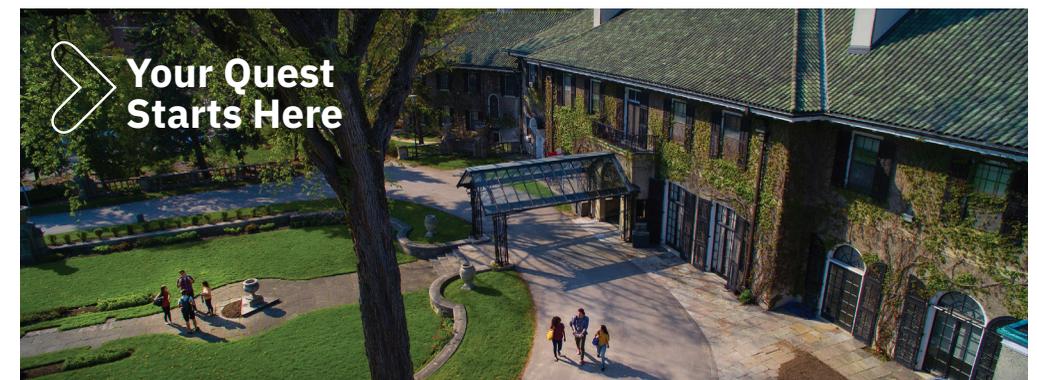
## Skills You’ll Earn

- Comprehend detailed scientific material
- Perform lab and field work
- Gather data, formulate hypotheses, test predictions and interpret results
- Write scientific reports and research articles
- Understand how the development, process and application of biology intersect with human ecologies

## Career Paths

As a Biology graduate, you are well-equipped to become a leader and changemaker, locally and internationally. You can choose to pursue grad studies or obtain additional qualifications to help your career. Here are examples of careers related to Biology:

- Biologist
- Biology technician
- Biology professor
- Conservation biologist
- Doctor or veterinarian
- Research scientist
- Teacher
- Zookeeper



# Your Path To Success

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	First Year	Middle Years	Final Year	Other Skills You'll Earn
Academics	<ul style="list-style-type: none"> <li>Attend an enrolment-planning workshop with the Academic Advising team</li> <li>Consult your program requirements in the <b>Academic Calendar</b></li> <li>Full-year introductory courses include microscopy, genetics, ecology and other labs</li> <li>Start or continue your language journey and visit our <b>language-learning support</b> centres</li> </ul>	<ul style="list-style-type: none"> <li>Request a progress report and meet with your academic advisor</li> <li>Courses include <i>Ressources biologiques</i>, <i>General Ecology</i> and <i>Conservation Biology</i></li> <li>Take field courses offered on campus, in Quebec and even in your own backyard!</li> </ul>	<ul style="list-style-type: none"> <li>Choose to conduct honours thesis research</li> <li>Take international field courses through the Ontario University Field Program in Biology (OUPFB)</li> <li>Plan for your bilingual or trilingual certification; apply for the exam</li> <li>Get your degree audit</li> <li>Apply to graduate</li> </ul>	<p><b>Communication, Data Gathering &amp; Organizational Skills</b></p> <ul style="list-style-type: none"> <li>Present your thoughts clearly and intelligently in written statements and opinion pieces</li> <li>Deduct information from various sources</li> <li>Critically analyze problems, think creatively and make sound decisions while considering different sides of an argument</li> <li>Clearly explain complex ideas and apply complex theoretical concepts to everyday practice and professional dilemmas</li> </ul>
Get Involved	<ul style="list-style-type: none"> <li>Participate in orientation activities like JumpStart and Frosh Week</li> <li>Join a club, such as Jane Goodall's Roots &amp; Shoots – Glendon Chapter</li> <li>Visit the <b>Salon francophone</b> or <b>ESL Open Learning Centre</b></li> <li>Meet the Student Life Coordinator</li> </ul>	<ul style="list-style-type: none"> <li>Become a Peer Mentor</li> <li>Join the Student Union and develop your leadership skills</li> <li>Represent students' voices in university governance and/or committees</li> <li>Take part in YU ROC!, a student-led biodiversity monitoring program on campus</li> </ul>	<ul style="list-style-type: none"> <li>Spread the word about clubs, organizations and events you have enjoyed and have helped you get connected on campus</li> <li>Become a Glendon Ambassador</li> <li>Become a Peer Mentor</li> </ul>	<p><b>Management &amp; Teamwork</b></p> <ul style="list-style-type: none"> <li>Analyze information presented by peers; constructively support and challenge peer proposals, theories, ideas and reports to achieve a project's intended result</li> <li>Work effectively in groups, partaking in decision-making and contributing to the ultimate success of the team and task</li> <li>Debate, persuade, mediate and present thoughts and opinions</li> <li>Recognize and incorporate potential solutions or applications to problems</li> <li>Identify priorities and proper courses of action, plan the execution of tasks and determine and delegate responsibilities to group members to effectively carry out projects</li> </ul>
Gain Experience	<ul style="list-style-type: none"> <li>Contact the <b>Experiential Education office</b> to find opportunities</li> <li>Create projects with the <b>Glendon Digital Media Lab</b></li> <li>Optimize your experience and articulate your skills through Becoming YU</li> <li>Take hands-on lab courses</li> </ul>	<ul style="list-style-type: none"> <li>Apply to the Research Apprenticeship Program</li> <li>Pursue your passion project in <b>G21</b>, <b>Glendon's inquiry-based incubator</b>, or <b>GENIAL</b> for startups</li> <li>Take courses with field trips</li> <li>Volunteer to do research</li> <li>Help an organization, such as <b>Toronto Wildlife Centre</b></li> </ul>	<ul style="list-style-type: none"> <li>Work on practical challenges by enrolling in the <b>Cross-Campus Capstone Classroom (C4)</b></li> <li>Continue your involvement in research activities</li> <li>Take field courses</li> </ul>	
Think Globally	<ul style="list-style-type: none"> <li>Learn another language – 20 languages are taught at Glendon and Keele Campuses, including French, Spanish and Ojibwe!</li> <li>Develop your intercultural competencies</li> </ul>	<ul style="list-style-type: none"> <li>Consider an exchange abroad or in Quebec</li> <li>Enrol in <i>Français par expérience</i> to expand your knowledge in French and of the francophone culture by doing a workplacement</li> <li>Undertake research with professors, e.g., in Africa</li> <li>Enrol in international field courses through the Ontario University Field Program in Biology</li> </ul>	<ul style="list-style-type: none"> <li>Volunteer with organizations that focus on international issues or diversity in Canada</li> </ul>	
Plan Your Future	<ul style="list-style-type: none"> <li>Build your transferable skills by participating in workshops about skills and career development</li> </ul>	<ul style="list-style-type: none"> <li>Explore career options and learn more about the skills required</li> <li>Discover career opportunities by connecting with alumni</li> <li>Book an appointment with the Career Centre to start working on your resumé, cover letters and interview skills</li> </ul>	<ul style="list-style-type: none"> <li>Attend Glendon's Bilingual Job Fair and networking events</li> <li>Use the Career Centre to enhance your resumé and LinkedIn profile; learn new job search techniques</li> <li>Attend a workshop on grad school applications</li> <li>Join a professional association in your field</li> </ul>	
				Admission Requirements
				<ul style="list-style-type: none"> <li>Ontario Secondary School Diploma or equivalent, with average* of mid to high 70s</li> <li>Minimum of 6 4U or 4M courses, including 4U English (ENG4U) or FRA4U</li> <li>A combination of U and M courses; OACs are accepted</li> <li>SBI4U, SCH4U and MHF4U are required; SPH4U is recommended</li> </ul> <p>*Average is calculated based on the top six 4U; 4M or DU courses</p>
				Get In Touch
				<p>Domestic students: <a href="mailto:liaison@glendon.yorku.ca">liaison@glendon.yorku.ca</a></p> <p>International students: <a href="mailto:international@glendon.yorku.ca">international@glendon.yorku.ca</a></p> <p>Attend one of our <b>events!</b></p> <p><a href="#">f</a> <a href="#">t</a> <a href="#">in</a> <a href="#">@</a> GlendonCampus</p>