



Field Technician/Honours Student Position

Biodiversity Conservation Solutions Lab, Carleton University

Project Overview: The Outcomes of Traffic Reduction

In collaboration with the National Capital Commission and the Friends of Gatineau Park, we are exploring the effects of traffic mitigation and reduced noise disturbance on wildlife communities in Gatineau Park. We hope to **assess the effectiveness of traffic mitigation as a practical solution for protecting biodiversity at urban-wildland interfaces**. More details about the project can be found here: <https://www.biodiversityconservationsolutions.com/portfolio-2-2/the-outcomes-of-traffic-reduction>



Your Role

We are looking for a field technician/Honours student to join an exciting, collaborative team of researchers at Carleton University. The student will have an opportunity to learn to co-develop scientific research, conduct fieldwork and collect data, and improve conservation policy and practice. The student will work as a **paid field technician** alongside a Masters student (Lilli Gaston) for the 2024 summer field season (**late April to August 2024, dates flexible**).

The student will help with a variety of tasks in the field and office, such as:

- Deploying/servicing wildlife camera traps and bioacoustics recorders
 - o This involves hiking off-trail through Gatineau Park, up steep inclines, in buggy conditions and inclement weather
- Conducting breeding bird surveys at dawn
- Conducting roadkill surveys via e-bike
- Transcribing camera trap data using *Timelapse* and bioacoustic data using *RavenPro*
- Data management

After the field season, there will be an opportunity to incorporate data collected in the field into an **Honours thesis**.

Selection Criteria

Essential Skills and Qualifications

1. Working towards an undergraduate degree in ecology, conservation science, environmental science, geography, or related field at Carleton University
2. Strong leadership and communication skills
3. Interpersonal skills
4. Enthusiasm and kindness
5. A strong interest/curiosity in scientific research
6. A desire to make the world a better place for people and nature

Desirable Skills

1. Prior fieldwork experience
2. Bird identification skills (visual and audio)
3. Coding skills in R and/or Python

Application Details

Applicants should send the following to Rachel Buxton (Rachel.Buxton@carleton.ca) and Lilli Gaston (lilligaston@cmail.carleton.ca): **(1)** Letter of interest summarizing your relevant experience and/or relevant courses; **(2)** Resume; and **(3)** Unofficial university transcripts. **Please use the subject line Gatineau Honours Project.** If you have any questions about the position, please contact Lilli Gaston.

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: First Nations, Inuit and Métis peoples; women; visible minorities; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Carleton understands that career paths vary. Legitimate career interruptions will in no way prejudice the assessment process and their impact will be taken into careful consideration.

About Carleton University

Carleton University acknowledges the location of its campus on the traditional, unceded territories of the Algonquin nation. In doing so, Carleton acknowledges it has a responsibility to the Algonquin people and a responsibility to adhere to Algonquin cultural protocols.

Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance. With over 29,000 students, 950 academic faculty, and 2,000 staff and more than 100 programs of study, we encourage creative risk-taking enabling minds to connect, discover and generate transformative knowledge. Carleton University is located in Ottawa, Canada's capital city, which has a population of almost one million and reflects the country's bilingual and multicultural character.