

BIOLOGY

Departmental Facilities

The Biology Department is located in the BioSciences Complex, a large building with offices, teaching laboratories, lecture rooms and extensive research facilities. The Department also maintains the Queen's University Biological Station: more than 3000 ha of woodland, fields and shoreline on both Lake Opinicon and Elbow Lake, 50 km north of Kingston. This station has extensive laboratory and teaching facilities and can provide accommodation for 75 or more researchers and students interested in population and community ecology, limnology, behavioural ecology, and conservation biology.

Our research is focused mainly on two currently vibrant areas of biology:

1. molecular, cell, and integrative biology, and
2. ecology, evolution and behaviour.

In support of this research, we have both aquatic and animal care facilities in the BioSciences Complex, an excellent herbarium for local and arctic flora, a genotyping facility, and a large, well-equipped Phytotron (greenhouse) for plant growth and tissue culture. Our research laboratories are also well equipped for studies in a wide variety of disciplines including physiology and biochemistry, genetics, genomics and proteomics, paleolimnology, and cell biology (including microscopy and imaging).

Throughout our graduate program we emphasize both communication and quantitative skills to prepare our graduates for a wide range of employment opportunities in academia, government, and the private sector. We achieve this through hands-on research, seminars and journal clubs, lab meetings, and a suite of graduate courses and workshops.

Graduate students are guaranteed a minimum annual income for the first two years of the MSc degree and the first four years of the PhD, in the form of scholarships, teaching assistantships, and stipends from supervisors' research grants. This guaranteed income is sufficient to cover the costs of tuition, food and lodging. Detailed information on faculty and graduate student research, and the current minimum guaranteed income for graduate students is available on the Department's website.