

COLLABORATIVE SPECIALIZATION IN

Biochemistry



Discoveries in biochemistry have been a primary catalyst for many of the advances in modern medicine, pharmacology, toxicology, and in the booming field of biotechnology.

Carleton University offers a Collaborative Specialization in Biochemistry to current or incoming master's and PhD students who are registered in one of the two participating programs (Biology, Chemistry).

Students will gain knowledge of key concepts and current advances in biochemistry and expertise in the methodologies and theoretical approaches used in many major areas including proteomics, genomics, genetics, molecular biology, cell biology and physiology.

In addition to the study of human cells and tissues, this unique biochemistry specialization offers a broader perspective to biochemistry, covering areas that biochemistry graduate programs at other Canadian universities would lack (e.g. toxicology, food science, etc.). It also covers cross-species comparisons outside of human biochemistry not found in other, more focused biochemistry programs.

Graduate students have an opportunity to work with our award-winning and renowned faculty. carleton.ca/biochem/research

They also will conduct their thesis research in laboratory facilities utilized by their Carleton supervisors or off campus at institutes

like Health Canada, Environment Canada, Agriculture and Agri-Food Canada, the Canadian Food Inspection Agency, the National Research Council Canada, the Royal Canadian Mounted Police or in industry.

Degrees Offered

MSc, PhD with a specialization in biochemistry.

Career Options

Graduates will acquire transferable skills required for employment in academia, government or industry. Alumni may also consider applying to medicine and other health sciences professional programs.

Application Deadline

The deadline varies according to the deadline of the participating programs. Applicants wishing to apply for this specialization must indicate this in their application to their participating program (home degree).

Admission Requirements

Applicants must be admitted to one of the participating master's or PhD programs.

Contact Info

Biology

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Chemistry

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