

GRADUATE PROGRAMS IN Chemistry

Chemistry affects almost all aspects of our lives. Carleton's Department of Chemistry is host to innovative programs in analytical, biological, inorganic, organic and physical chemistry, as well as chemical toxicology, nanoscience and food science.

As a graduate student, you will become part of a vibrant network of scientists and have the opportunity to engage in some of the world-class research conducted at Carleton.

We offer a Master of Science (MSc) and a PhD in Chemistry. We also offer a concentration in Food Science. Our chemistry programs are offered through the Ottawa-Carleton Chemistry Institute, a unique partnership between Carleton and the University of Ottawa.

This allows our graduate students to access resources, expertise and faculty at both Carleton and the University of Ottawa. As part of the joint institute, we have the largest graduate chemistry program and the third largest PhD program in Ontario.

We also offer specializations in Biochemistry or Chemical and Environmental Toxicology at the MSc level and doctoral levels.

Degrees Offered

MSc, PhD

Career Options

Our programs have strong links with government labs specializing in agriculture, natural resources, the environment and health, the National Research Council Canada, world-class libraries and museums, robust high-tech and bio-tech sectors, teaching and research hospitals, industry-sponsored labs, numerous environmental and biotechnology companies, national and international associations and political organizations. All of these have provided our students with a wealth of possibilities for resources, placements and career opportunities.

Fall Application Deadline

March 1, in order to be considered for funding

Admission Requirements

MSc: An honours BSc degree in chemistry, with a B+ average in the last two years and a B average overall. Applicants who do not meet this requirement, or whose undergraduate degree is in another closely related degree may be accepted into the program, but may be assigned extra courses.

PHD: An MSc degree in chemistry. Students enrolled in the MSc may transfer to the PhD program after successfully completing one year of graduate studies.



“Carleton Chemistry is the best. Working with so many paragons of research is a treat. All members of the department are extremely approachable and fantastic to deal with.”

— Peter Pallister PhD/16

MSc and PhD in Chemistry (Concentration in Food Science)

Research interests in this concentration are rooted in all facets of chemistry including bioanalytical, bioorganic and biophysical chemistry with a focus on analysis of food contaminants (toxins, residues, microbial contaminants, etc.) and value-added nutrients (novel fibres, peptides, prebiotics, etc.). Careers include positions in the fields of food, nutrition, agricultural, environmental and health sciences. Admission requirements are similar in all chemistry programs. Degrees in food science, nutrition, and related fields may also be accepted.

carleton.ca/chemistry

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