

Molecular Science

MSc/PhD

ryerson.ca/graduate



Molecular Science

Spanning the boundaries of modern chemistry and biology, this unique, research-intensive program provides innovative professional training for tomorrow's scientific leaders. Students benefit from faculty experts in a wide variety of fields, a supportive entrepreneurial community and research partnerships with industry, government and hospitals. Rigorous, real-world courses prepare graduates for rewarding careers in the pharmaceutical, biotechnology and environmental sectors.

Research Areas

- Biomedical and Biomolecular Interactions
- Cells, Genes, Molecules
- Ecology and Biogeochemical Cycles
- Materials and Food Chemistry
- Molecular Physics
- Pathogens and Infection
- Surfaces and Interfaces
- Synthetic and Medicinal Chemistry
- Water, Energy and Environmental Change

Admissions Information

MSc	<ul style="list-style-type: none">• Bachelor of Science degree in biological, biochemical or chemical science• Minimum GPA or equivalent of 3.00/4.33 (B) in the last two years of study• Two references from former instructors or research supervisors
PhD	<ul style="list-style-type: none">• Master of Science degree in molecular science or a related discipline• Minimum grade point average (GPA) or equivalent of 3.67/4.33 (A-) in courses credited to the master's degree• Three references from academic referees• Evidence of research potential (e.g., master's thesis or peer-reviewed publication)

Applicants may be required to provide certification of English language proficiency. For more information, visit www.ryerson.ca/graduate/futurestudents/admissions/english-language.html.

Sample Courses

- Advanced Microscopy and Imaging
- Advanced Structure Determination
- Experimental Design and Statistical Analysis
- Genomics and Proteomics
- Molecular Machines of the Cell

At a Glance

> \$11M research funding

 **44** fully funded students (through NSERC, CIHR, OGS and Ryerson Graduate Fellowships)

> 65 national and international research partnerships

38 faculty members

> 85% graduates author or co-author refereed papers



“The Molecular Science program at Ryerson has really allowed me to develop my own thesis research and encouraged collaboration with other labs. With the support of my supervisors and colleagues, there is a true sense of community here.”

– Leslie Bone, PhD candidate

International Students

International Student Services (ISS) provides comprehensive support for the international student community at Ryerson.

www.ryerson.ca/internationalservices

Program Contact

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