Computational Sciences: PhD

The School of Computer Science (SoCS) offers an Interdisciplinary PhD in Computational Sciences. The objective of the SoCS Interdisciplinary PhD program is to produce interdisciplinary scholars who are capable of tackling emerging problems in the sciences and humanities through investigation and application of current computer technologies.

uoguelph.ca/computing

Program

The PhD in Computational Sciences is a full-time program, typically completed over four years, during which students will complete the Technical and Communication Research Methodology course and any additional courses assigned by their Advisory Committee. Students will also give two public seminars, pass a qualifying exam, conduct research and successfully defend a written dissertation at the final oral examination. We also offer the option to complete the PhD with a collaborative specialization in One Health.

Research Areas

Any interdisciplinary area of research that emphasizes computational research.

Admission Requirements

- A recognized thesis-based Master's degree in Computer Science, or in a discipline that is closely related to the proposed thesis research
- A research proposal (max. 1500 words) indicating potential supervisors
- Minimum 75% admission average over the last 2 years of full-time study for a graduate degree

The University of Guelph consistently ranks as one of Canada's top comprehensive universities. Graduate studies in the School of Computer Science will enable you to engage in groundbreaking research of an interdisciplinary nature.

Sample Research Disciplines

Students in the program will have the opportunity to study computer science within the context of another discipline commensurate with their own interests and career goals. These disciplines include but are not limited to the following: Economics, Engineering, English, Geography, History, Integrative Biology, Mathematics and Statistics, Pathobiology, Psychology, and Veterinary Medicine.

Application Deadline:
Fall Entry: June 1
Winter Entry: October 1
Spring Entry: February 1

ARE YOU INTERESTED IN:

- Data analytics
- Design patterns
- Machine learning
- eHealth innovation

CAREER OPPORTUNITIES:

- Academia (professor)
- Data engineering
- Machine learning
- Software development
- User interface analysis

CONTACT INFORMATION

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