Computer Science: MSc, PhD

The School of Computer Science (SoCS) emphasizes both academic and applied research that can contribute to future research, industry partnerships and government programs. Interaction with other disciplines is encouraged and many faculty work with industry partners.

uoguelph.ca/computing

PROGRAMS

The MSc in Computer Science is a thesis-based, two-year program during which students will complete five courses, give a public seminar, conduct research and successfully defend a thesis. We also offer the option to complete the MSc with a collaborative specialization in Artificial Intelligence or One Health.

The PhD in Computer Science is a full-time, four-year program during which students will complete the Technical and Communication Research Methodology course and two additional graduate courses. 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.
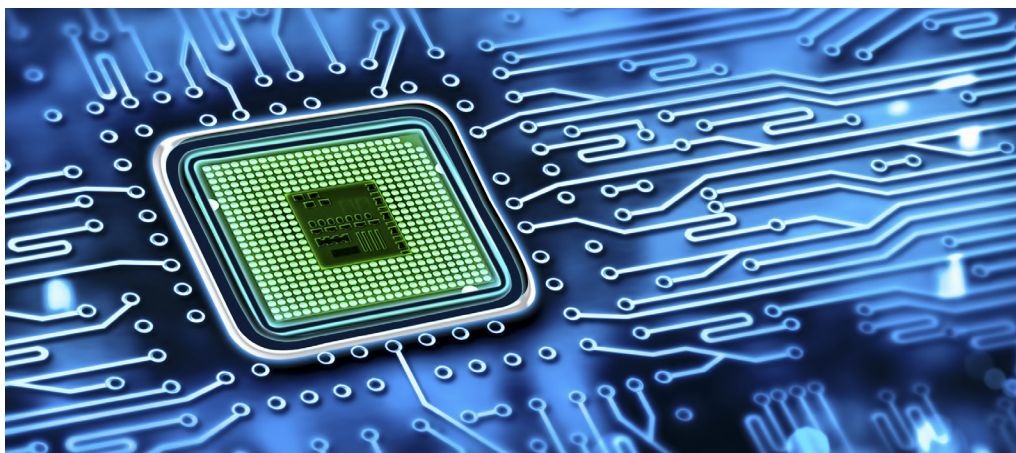
AREAS OF RESEARCH

- Artificial Intelligence and Machine Learning
- Cybersecurity
- Human Computer Interaction
- Bioinformatics
- Applied Modelling and Theory
- Hardware & Distributed Systems
- Data Science

ADMISSION REQUIREMENTS

MSc:
- A four-year honours degree in computer science, or in another discipline with at least 10 courses related to computer science.
- A min. average of 75% (B) during the last two years of undergraduate study.

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 in a collaborative and supportive department.

PhD:
- A recognized master's degree in computer science (or a closely related discipline) that includes a thesis or a major independent project.
- A minimum average of 75% (B) during the last two years of a master's degree.
- A faculty research advisor must be identified before application to the PhD program.

FACULTY AND FACILITIES

The School of Computer Science at U of G has professors that are at the cutting edge of their fields. We offer courses that cover a wide range of topics and provide competitive financial incentives to eligible students.

Our students are highly coveted by industry. They are leading software development teams, providing eHealth innovations (such as the widely acclaimed Iron Tracker mobile application) and working at the cutting edge of data science and machine learning.

ARE YOU INTERESTED IN:

- Advanced Algorithms
- Data Analytics
- Cybersecurity
- eHealth Innovation
- AI and Machine Learning

CAREER OPPORTUNITIES:

- Data Engineering
- Machine Learning
- Software Development
- User Interface Analysis

Application Deadlines:

Fall Entry:
International – Mar 1, Domestic – Jun 1

Winter Entry:
International – Aug 1, Domestic – Oct 1

Spring Entry:
International – Nov 1, Domestic – Feb 1

CONTACT INFORMATION

Graduate Coordinator:
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UNIVERSITY OF GUELPH