

# Computational Sciences: PhD

The School of Computer Science (SoCS) offers an Interdisciplinary PhD degree in Computational Sciences. This PhD program includes faculty from departments and schools across all colleges within the University of Guelph. 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.



## Degree Requirements

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. Once a student has been admitted into the program, the following components are required for successful completion of the PhD in Computational Sciences degree:

- Technical and Communication Research Methodology Course (CIS\*6890) during the first year of study.
- Any additional graded courses (with an overall minimum average of 70%) assigned by the Advisory Committee on entry to the program.
- Any Computational Learning Modules assigned by the Advisory Committee.
- Two publicly announced research seminars.
- PhD Qualifying Examination (QE).
- Final oral examination of written thesis.
- Thesis accepted by Examination Committee.

## 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. Equivalent independent research experience demonstrated through publications in scholarly journals or conferences may be accepted in lieu of a recognized thesis-based master's degree.
- Minimum average of at least a B during the previous two years of full-time university study.
- A recent and updated CV (curriculum vitae) including publications.
- A research proposal (maximum 1500 words) which would normally include the following sections:
  - Identification of potential supervisors,
  - General area of research interest,
  - Description of a specific research problem (in the area of research interest),
  - Importance of and interdisciplinary nature of the research problem, and
  - Summary of related research (referring to publications where appropriate).
- English proficiency test for applicants whose first language is not English.

FOR MORE INFORMATION  
PLEASE CONTACT:

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