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.

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Program

The PhD in Computational Sciences is a full-time program, typically completed over three years, during which students complete the Technical and Communication Research Methodology course and any additional courses assigned by your Advisory Committee. You will give two public seminars, successfully complete a qualifying exam and successfully defend a written dissertation at the final oral examination.

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

Application Deadline:
Ongoing

Entry: Fall, Winter, Spring

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.

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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