SoCS Graduate Programs

- **MSc in Computer Science (MSc.CS)**
  - *Traditional thesis-based master's*
  - *2 years*
  - *Artificial Intelligence and OneHealth Specialization options*

- **Master of Cybersecurity & Threat Intelligence (MCTI)**
  - *1 year*
  - *Course-based masters*

- **PhD in Computational Science (PhD.CSCI)**
  - *Interdisciplinary PhD*
  - *4 years*
  - *OneHealth Specialization option*

- **PhD in Computer Science (PhD.CS)**
  - *Traditional PhD*
  - *4 years*
  - *OneHealth Specialization option*

MSc in Computer Science (MSc.CS)

- The MSc program is a thesis-based two-year program

- Requirements:

    - complete 5 graduate courses

    - give a public seminar

    - conduct research

    - successfully defend a thesis

- Finding a faculty supervisor is required for admission; to find a prospective supervisor, students can connect directly with faculty via:

    - Email: Reviewing faculty and related research areas on the SoCS web

    - Working with SoCS faculty: Applying for URA positions, speaking with in-course CS faculty, opting to take CIS*4900/4910 Computer Science Project course, etc.

- The MSc.CS program provides **minimum $16,500/year for 2 years** funding for registered students

Master of Cybersecurity and Threat Intelligence (MCTI)

- MCTI is a one-year course-based program.

- Requirements:

    (A) Complete six core courses and a culminating, independent project wherein students produce an evidence-based solution to a complex security problem in partnership with an industry partner or academic expert.

    (B) Complete six core courses, and two elective cybersecurity courses (in place of the project), for a total of eight courses.

- Part-time options are also available

- Typically, the MCTI program is not funded and a supervisor is not required

MSc Funding Opportunities

Full-time MSc students (domestic & International) are guaranteed a minimum funding of **$16,500/year** (for 2 years) funding; funding is normally disbursed in the following forms:

➢ **Graduate Teaching Assistantships (GTAs)**

– *Guaranteed 2x GTA positions per year*

➢ **Graduate Research Assistantships (GRA)**

– *GRA funding is often provided by the student's supervisor in cases where the student's thesis research contributes to the current research of their faculty member supervisor(s).*

➢ **SoCS GRA Funding**

– Domestic MSc students are eligible for up to $5,000 per year (for 2 years)

– No application needed

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New International Grad Funding

1. International Masters Tuition Scholarship (IMTS)

- International students currently completing their undergraduate degrees at U of G will be eligible for funding of:
  - *$20,000 for the thesis-based MSc in Computer Science; or*
  - *$6,000 for the course-based MCTI*
- No application needed

2. International Masters Tuition Reduction

- International students completing their undergraduate degrees at external universities may be eligible for a funding of $6,000/year for 2 years.

Faculty Research Areas

Artificial Intelligence

L. Antonie, N. Bruce, D. Calvert, A. Dehghantanha, R. Dara, D. Flatla, G. Grewal, A. Hamilton-Wright, S. Kremer, C. Obimbo, S. Scott, F. Song, D. Stacey, F. Wang, M. Wineberg

Cybersecurity

R. Dara, A. Dehghantanha, H. Khan, X. Lin, C. Obimbo

One Health

A. Hamilton-Wright, D. Gillis, R. Dara, D. Calvert

Data Science

L. Antonie, Calvert, R. Dara, D. Gillis, G. Grewal, A. Hamilton-Wright, P. Matsakis, C. Obimbo, F. Song, D. Stacey

Human Computer Interaction

D. Flatla, D. Gillis, H. Khan, J. McCuaig, S. Scott, M. Wirth

Bioinformatics

A. Hamilton-Wright, S. Kremer

Applied Modeling and Theory

D. Calvert, P. Matsakis, C. Obimbo, J. Sawada

Hardware and Distributed Systems

G. Grewal

How to Apply

- **MSc:** Admissions accepted for fall, winter and summer semesters on a "rolling basis**"**

- **MCTI:** Admissions currently open for F23/W24

Fall 2023:
- International students: April 1, 2023
- Domestic students: July 1, 2023

Winter 2024:
- International students: August 1, 2023
- Domestic students: October 1, 2023

Apply online via OUAC

Questions?