

Graduate Student Day School of Computational Science and Engineering

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on behalf of Dr. Bartosz Protas, Graduate Advisor

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[a copy of this presentation is available at
<https://ms.mcmaster.ca/bprotas/graduate.shtml>]

- Mandatory training: SGS 201, SGS 201
 - **must be taken on-line during the first term**
- Core courses: CSE 700, CSE 701
- Parallel Programming Courses: CSE 745, CSE 746
- Courses cross-listed from participating departments
- Graduate reading course: CSE 799 (**Instructor needs to provide a course outline**)
- In general, discuss your course selection with your Supervisor and/or Program Director **before** you enroll
- If you want to take a course not listed / cross-listed as a CSE course, you need
 - your Supervisor's recommendation (via Email to Program Director)
 - Program Director's approval

Courses (II)

- Courses at other universities — **Need preliminary approval from Supervisor or Program Chair**
 - forms to be filled available at

<http://cou.on.ca/key-issues/education/graduate-education/ontario-visiting-grad-students/>

- Courses at **Research Institutes**: Fields, Perimeter, . . .
 - May be taken for credit if equivalent to a one-term graduate course. **Make request in advance**

Seminars (alas, not for credit)

- **CSE Student Seminar in Scientific Computing** at 12:30 on (some) Wednesdays, location TBA (participation mandatory for CSE students)
- many departmental seminar and colloquium series
- look out for special events: Britton lectures, Nelson lecture, Origins lectures, etc.!

- The School of Graduate Studies and the MacPherson Institute offer a wide range of **skills training modules and workshops**
 - academic writing
 - academic job search
 - teaching

- The MacPherson Institute also offers opportunities for **community engagement**

Teaching Responsibilities

- As Teaching Assistants, you may be asked to

- grade assignments, midterms, exams
- help students in the Math Help Centre
- conduct tutorials
- invigilate, etc.

in Math & Stats or in your supervisor's Department

- Teaching is very important

- *for you, because becoming an effective instructor is an essential part of professional development and the skills you acquire are also useful outside university*
- for the School and the University as a whole

- Make sure to attend the **TA Training Session** at 2:30pm tomorrow (Thursday, September 5)

- Additional resources provided by the **MacPherson Institute for Leadership, Innovation and Excellence in Teaching**

- One of my responsibilities: help students with **scholarship applications**.
- Many scholarships for Canadian students (and few for non-Canadians) are available, mostly through NSERC and the Government of Ontario. See the webpage of SGS
- Deadlines are approaching quickly, so please have a look at the SGS webpage now!

All students

- Enrolment deadline: **August 27 (on-time), Sept 9 (late)**
- Deadline for submission of conditional documents to Department: **Sept 30**
- Sessional Dates 2019-2020

International students

- Deadline for submission of study permit to SGS: **Sept 30**

- Tuition is due term-by-term on Sep 1, Jan 1, and May 1.
- Interest on tuition will not begin to be collected prior to the second to last business day of those months.
- Lump sum (whole-term) scholarship payment by mid-Sep, mid-Jan, and mid-May.
- Lump sum (whole-term) research scholarship payment by mid-Sep, mid-Jan, and mid-May.
- Bi-weekly employment payments, as before.
- All money goes out to the student (as opposed to first being applied to the student account).
- Students are *solely* responsible for paying their tuition.
- Emergency advances are still possible in extreme situations (against future TA income).

- Must take six half courses
 - two must be the core courses CSE 700 and CSE 701
 - one must be chosen as either CSE 745 or CSE 780 (Data Science)
 - the remaining three courses may be chosen from those listed by the School
 - up to two of the half courses may be at the 600-level
- Need to prepare a Research Project
- You may upgrade to the thesis-based program if you find a Supervisor willing to supervise you

- Must take four half courses
 - two must be the core courses CSE 700 and CSE 701
 - the remaining two courses may be chosen from those listed by the School
 - your Supervisor may require you to take additional courses
- Need to prepare and defend a Thesis
- After two terms it might be possible to transfer to the Ph.D. program without completing Master's degree (see *The CSE Student Handbook* for details)

Being a **Ph.D. student** means:

- develop a **research program**
- complete the **course requirements** (two courses, or more)
- pass the Comprehensive Exam during the first 20 months:
 - Part I — research project + report + defense (see *The CSE Student Handbook* for details)
 - Part II — defense of a thesis proposal (in this order)
- organize of the annual meetings of the **supervisory committee**
- write and defend a **Thesis!**

Funding

- guaranteed for 12 terms (= 4 years)
- extension possible if funds are available (not to be taken for granted)

- School's Website

<http://computational.mcmaster.ca/>

- *The CSE Student Handbook* available at

<http://computational.mcmaster.ca/graduate-studies.html>

- School of Graduate Studies

<https://graduate.mcmaster.ca/>

- Graduate Calendar

<https://academiccalendars.romcmaster.ca/index.php?catoid=37>



I am always happy to discuss
any questions or issues you might have.
⇒ book an appointment via Email

GOOD LUCK WITH YOUR STUDIES
IN THE CSE PROGRAM!