UNIVERSITY OF TORONTO SCARBOROUGH

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COMPUTER SCIENCE

Getting Ready for Your First Year

First year courses are designed to offer you core foundational knowledge that will prepare you for your second year at UTSC. Find your program below, and follow the first year course enrolment guide for your first year at the University for Toronto Scarborough.

Computer Science – Specialist program (Coop and Non-Coop)

The structure of the program requirements allow students to easily switch streams until relatively late into the program. These streams should not be viewed as rigidly separated channels feeding students to different career paths, but as a flexible structure that provides Computer Science students guidance in their course selection based on their broad (but possibly fluid) interests. The following streams are available:

- Comprehensive Stream
- Software Engineering Stream
- Information Systems Stream
- Health Informatics Stream
- Entrepreneurship Stream

Core Courses:

- ☐ CSCA08H3 – Introduction to Computer Science I
- ☐ CSCA48H3 –Introduction to Computer Science II
- ☐ CSCA67H3 – Discrete Mathematics
- ☐ MATA23H3 – Linear Algebra I
- ☐ MATA31H3 – Calculus I for Mathematical Sciences
- ☐ MATA37H3 – Calculus II for Mathematical Sciences

Students should be prepared to complete one course to fulfill the **writing recommendation** by the end of their *second* year. Eligible courses can be found in the Calendar and may be taken in first year if there are no prerequisite requirements.

We advise you to review the **program requirements** for the Specialist in Computer Science as listed in the Calendar. Requirements 1-5 are common for all streams. Additional program requirements and necessary perquisites for additional courses vary depending on the stream you pursue – please consult the Calendar closely in preparation for your second year when choosing any eligible electives. Students are advised to work closely with their Program Advisor and/or the Academic Advising & Career Centre while developing their academic plan.

Co-op Students

Prior to their first work term, students must successfully complete a minimum of 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA23H3, MATA31H3, MATA37H3), as well as the non-credit Arts & Science Co-op Navigating the World of Work Course (COPD01).

Applying After First Year to a Specialist Computer Science Program

Computer Science Specialist and Major are limited enrolment programs. Students interested in applying to enter the program after completing 4.0 credits must pass all of the A-level CSC and MAT courses required in the program. Students with a CGPA of 2.5 or greater across the following A-level courses are guaranteed admission: CSCA08H3, CSCA48H3, CSCA67H3, MATA23H3, MATA31H3, and MATA37H3. Admission to the Entrepreneurship stream also requires the submission of a Supplementary Application Form (SAF) available at: www.utsc.utoronto.ca/cms

Maintaining Your Grades to Remain in the Program

To remain in the program, students must maintain a CGPA of 2.0 or higher throughout the Specialist program. Students in the Co-op Specialist program are expected to maintain a CGPA of 2.5 or higher throughout the program.

Computer Science - Major program (Coop and Non-Coop)

Co-op Students

Prior to their first work term, students must successfully complete a minimum of 7.0 credits, including all first year required courses (CSCA08H3, CSCA48H3, CSCA67H3, MATA23H3, MATA31H3, MATA37H3), as well as the non-credit Arts & Science Co-op Navigating the World of Work Course (COPD01).

Applying After First Year to a Major in Computer Science Program

Computer Science Specialist and Major are limited enrolment programs. Students interested in applying to enter the program after completing 4.0 credits must pass all of the A-level CSC and MAT courses required in the program. Students with a CGPA of 2.5 or greater across the following A-level courses are guaranteed admission: CSCA08H3, CSCA48H3, CSCA67H3, MATA23H3, MATA31H3, and MATA37H3.

Core Courses:

- ☐ CSCA08H3 – Introduction to Computer Science I
- ☐ CSCA48H3 –Introduction to Computer Science II
- ☐ CSCA67H3 – Discrete Mathematics
- ☐ MATA23H3 – Linear Algebra I
- ☐ MATA31H3 – Calculus I for Mathematical Sciences
- ☐ MATA37H3 – Calculus II for Mathematical Sciences

Computer Science - Minor program

- ☐ CSCA08H3 – Introduction to Computer Science I
- ☐ CSCA48H3 –Introduction to Computer Science II

Choose one of the following mathematics courses:

- ☐ CSCA67H3/MATA67H3 – Discrete Mathematics
- ☐ MATA23H3 – Linear Algebra I
- ☐ MATA30H3 – Calculus I for Physical Sciences
- ☐ MATA31H3 – Calculus I for Mathematical Sciences
- ☐ MATA32H3 – Calculus for Management I
- ☐ PHLB50H3 – Symbolic Logic I

Elective Courses

Once you have selected courses to fulfill your first year program requirements, it's time to think about electives to fill up your schedule. Electives are an essential part of your undergraduate studies, and are requirements for your overall University of Toronto degree.

Determine How Many Courses You Will Take in First Year

Your program requirements as a first year student will not be enough to fill your timetable. A standard course at UTSC is 0.5 credits.

A full-time student can take between 1.5 – 2.5 credits. This is equivalent to three, four, or five courses per semester. A student who wishes to complete their undergraduate degree in four years should aim to complete 5.0 credits in the Fall and Winter semester. You may also choose to reduce your course load, and take courses in the Summer semester. Find a balance that's right for you.

Academic Support at UTSC

Academic Advising & Career Centre
Access*Ability* Services
Office of the Registrar

Track your academic progress online with *Degree Explorer*

www.rosi.utoronto.ca/degree_explorer.php
This online assessment tool will show you which courses you have completed, which are pending, which are outstanding, and more.