Mathematics HBSc
Department of Computer and Mathematical Sciences

SERVICES AT UTSC THAT SUPPORT YOU:
To learn about resources and departments that can support you, download the UTSC Student Experience app or visit uoft.me/STARTNow

Diversity & Inclusion
The University of Toronto Scarborough commits to intentionally foster a welcoming and supportive environment for students, faculty, and staff where diversity is valued, and every member of the community feels a sense of belonging on campus. utsc.utoronto.ca/div/

Academic Integrity
The university community supports an environment of academic integrity. These are values that include honesty, trust, fairness, respect and responsibility. Learn about the university’s academic rules and how to avoid accidental plagiarism by attending an Academic Integrity Matters (AIM) workshop. academicintegrity.utoronto.ca/

Healthy Campus
UTSC provides supportive environments, resources and services to empower students to maintain their overall physical and mental health and foster their academic success. uof.me/healthy-campus/

Co-Curricular Record
The co-curricular record is an official institutional document that recognizes your involvement outside the classroom as a significant part of your U of T experience. clnx.utoronto.ca/ccr

DID YOU KNOW...
The US Bureau of Labor reports that between 2018 and 2028 the job market for mathematicians is expected to grow by 30%

DISCLAIMER: Please refer to the calendar for the most current and accurate information on programs and degrees: utsc.calendar.utoronto.ca

FUTURE STUDENTS
For admission requirements to UTSC, check out the U of T Scarborough Viewbook or contact:
Admissions & Student Recruitment
University of Toronto Scarborough
Room HL104, Main Floor, Highland Hall
416-287-7529
admissions@utsc.utoronto.ca

CURRENT STUDENTS
Departmental Contact
Susan Calanza, susan.calanza@utoronto.ca, (647-601-4645)
Mathematics Librarian
Mariana Jardim, mariana.jardim@utoronto.ca, 416-208-2987
Academic Advising & Career Centre
Room AC213 | 416-287-7561
Department of Student Life
Room SL157 | 416-208-4760
Association of Mathematical and Computer Science Students, https://www.amacss.org/

Check out future career opportunities and skills acquired from completing this program:

Competencies & Skills
• Developing computational methods and applying mathematical theories and techniques to solve practical problems in business, engineering, the sciences, or other fields.
• Developing mathematical or statistical models of phenomena to use for analysis or for computational simulation.

Careers for Graduates
• Quantitative Analyst in Corporations
• Business Intelligence Specialist in Telecommunications
• Business Analyst in Financial Services
• Logistics Analyst in Manufacturing
• Application Developer in Technology Consulting
• Technical Analyst in Software Development

Further Education
• Mathematics (Pure)
• Applied Mathematics
• Actuarial Science
• Combinatorics (Cryptography)
• Biostatistics
• Management and Accounting
• Management and Operations
• Business Administration

Co-Curricular Record

Healthy Campus

Diversity & Inclusion

FUTURE STUDENTS

CURRENT STUDENTS
Mathematics HBSc Major Program Pathway

**YEAR 1 (0 - 3.5 Credits)**
- 2.5 Foundational courses: CSCA08H3, (CSCA67H3 or MATA67H3), MATA22H3, MATA31H3, MATA37H3.
- Explore different kinds of courses; this will also help with fulfilling breadth requirements and electives.
- Use Degree Explorer to plan your courses and program of interest.
- Attend CTL’s Facilitated Study Groups to help you understand the course content.
- Get writing support at CTL's Writing Centre.
- Further develop your general academic skills by attending workshops offered by the Academic Advising & Career Centre (AA&CC) and Centre for Teaching & Learning (CTL).
- Get involved in relevant opportunities on and/or off campus; apply to Work Study, or other part-time and summer jobs on CLNx.

**YEAR 2 (4 - 8.5 Credits)**
- 2.5 Foundational courses: MATB24H3, MATB41H3, MATB42H3, MATB44H3, MATB52H3.
- Students are urged to take a writing course in first or second year (see list of courses in the Calendar).
- 1.0 credit from Elective courses: MATB61H3, STA55H3, MATD50H3, any C- or D-level MAT, STA, or CSC course, excluding STA32H3/C53H3/D29H3 (year 2 to 4).
- Further develop your general academic skills by attending workshops offered by the Academic Advising & Career Centre (AA&CC) and Centre for Teaching & Learning (CTL).
- Visit CTL’s Math & Statistics Learning Centre for tutoring services.
- Get involved in relevant opportunities on and/or off campus; apply to Work Study, or other part-time and summer jobs on CLNx.

**YEAR 3 (9 - 13.5 Credits)**
- 0.5 Foundational course from: MATC01H3 or MATC15H3.
- Use Degree Explorer to ensure you are on track with your degree.
- Consider competing for the UTSC Library Undergraduate Research Prize or Poster Forum.
- Check the department website for summer research and scholarship opportunities.
- Build on your skills and knowledge through relevant events offered through your department, student groups, DSL and the AA&CC.
- Check CLNx for networking events and employer events offered through your department, student groups, DSL and the AA&CC.
- Get your personal statement reviewed in the AA&CC.

**YEAR 4 or FINAL YEAR (14 - 20 Credits)**
- 1.0 credit of Further algebra, geometry, and discrete math courses from: MATC01H3, MATC09H3, MATC15H3, MATC32H3, MATC44H3, MATC63H3, MATD01H3, MATD02H3.
- Use Degree Explorer to ensure you are on track to graduate.
- Register your “Intent to Graduate” on ACORN by the deadline.
- Attend the UTSC Faculty Mix & Mingle Fair in September.
- Attend the Graduate & Professional School Fair in April/May.
- Run for an elected position in AMACSS or another student group or club.
- Look into volunteering or working overseas to expand your network through International Student Centre’s (ISC) Global Learning programs.
- Plan a career path with a staff member at the AA&CC.
- Attend the Graduate & Professional School Fair in September.
- Participate in the AA&CC’s Partners in Leadership program to learn and network with an alumni mentor about transitioning to work or further education.
- Attend the Summer & Full-time Job Fair in January to meet with potential employers looking to hire students for summer and full-time positions relevant to your field.
- Apply for an Academic Travel Fund through Department of Student Life (DSL) to research, present at a conference, or engage with the international academic community.

**HOW TO USE THIS PROGRAM PATHWAY**
Read through each year; investigate what appeals to you here and in other Program Pathways that apply to you. Note that this Pathway is only a suggestion. For the most up to date information, please check the UTSC Calendar.