

# MATHEMATICS

## ABOUT THE PROGRAM

The University of Toronto Scarborough offers a Mathematics major for students who wish to take a **cross-disciplinary approach** to their studies, as well as Statistics and Comprehensive streams for students who wish to dig deeper in specific areas.

Our Mathematics students learn how to:

- test assumptions;
- apply methods of numerical analysis to data;
- develop statistical models, and more.

This prepares them for productive, complex careers across industries. Moreover, this training enables them to create efficiencies in corporations, protect national security interests in government agencies, and develop algorithms in healthcare companies.

Employers need technical talent that can provide outside-the-box solutions: the ability to combine a Mathematics major with another area of study empowers students to engage in cross-disciplinary thinking. Courses in Discrete Mathematics, Introduction to Number Theory, and Differential Geometry combined with a major in Social Sciences, Psychology, or Humanities produces students who think in original ways.

Our co-op recruitment team provides support finding the right match for your opportunity. Whether you're a healthcare technology company looking for a Math/Health Studies major or an investment firm that needs to boost its quantitative analysis team, we will assist you with sourcing, screening, and selecting students who are the right fit, helping you move from posting to hiring in as few as 10 business days.



## SAMPLE JOB TITLES

**Quantitative Analyst**  
**Business Intelligence Specialist**  
**Logistics Analyst**  
**Data Warehouse Consultant**

## STUDENT PROFILE

BONNIE YAM

*"Prior experiences in group projects, presentations, and computer science courses helped me develop my analytical skills [and allowed me to] work under pressure."*

**COMPUTER  
SCIENCE /  
MATHEMATICS /  
STATISTICS**

### PROFILE : BONNIE YAM

During her **8 MONTH WORK TERM** at CGI, Bonnie had the opportunity to generate and analyze reports for meetings, create slide decks for analysis by senior leadership, manipulate data for analysis by senior leadership, and put her knowledge to work in tracking, reporting, and optimizing process and resource management activities.

She credits the Statistics stream of the Mathematics program in helping build students' aptitude in critical thinking by gaining a better understanding of theoretical and quantitative relationships. Benefitting from these **PROBLEM-SOLVING PRACTICES**, students are able to employ numbers, identify patterns, and communicate the language of mathematics in the workplace with more confidence.

In fact, it was through this work that she fine-tuned her attention to detail and developed her skills in manipulating data and identifying risks to ensure project deliverable dates were met.



**HELPING  
BUILD STUDENT'S  
APTITUDE IN CRITICAL  
THINKING."**

### CO-OP IN ACTION

"I feel very lucky to have learned about, connected with and received tremendous support from the co-op office – everyone I have had the pleasure to work with there has provided us with a very high degree of professionalism and has helped to make the student hiring process straightforward and even fun. I particularly appreciated the innovation and leadership demonstrated by the co-op office as we partnered with U of T Scarborough to create Rouge National Urban Park's first-ever mobile technology app - a project that was led and implemented by six students all hired and supported through the co-op program." – OMAR M, PARKS CANADA

#### PROGRAM:

**Mathematics, Statistics stream**

#### WORK TERM:

**Project Control Officer at CGI Group Inc**

**Your next big hire is from  
the University of Toronto Scarborough  
Arts & Science Co-op program.**

**Tap into our full-support team to hire in as  
few as 10 business days: [uoft.me/hirestudents](https://uoft.me/hirestudents)**

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