

## **Financial Mathematics Bachelor of Science**

Financial Mathematics (FM) is an area of applied mathematics with a solid and long-term role in the financial sector. FM is a natural tool for dealing with large, complex financial operations accompanied by risk and unpredictable results; FM models offer systematic tools to help understand the repercussions of the movement of capital. It can also be argued that FM applications are rooted in the basic connections between specific mathematical constructions and the fundamental economic hypotheses used to understand financial markets. FM, therefore, has tremendous relevance in our society.

Mathematics touches many aspects of our lives, and is a vital part of everything from information technology to mapping the human genome to modeling stock markets. Studying specialized aspects of math such as FM offers students exciting opportunities to tap into niche industries with tremendous potential for career growth and success.

The program will be offered by the Department of Mathematics under the umbrella of the Faculty of Science, with the support of the Finance Department.

Approved by Ryerson University Senate                      3-Apr-12

Approved to Commence COU Quality Council      30-May-12