



Introduction

Founded in 1980, the mission of the Department of Statistical and Actuarial Sciences includes the following:

- To advance the statistical and actuarial sciences through high quality research
- To contribute to research conducted University-wide by collaborating with other researchers in developing methods of modelling and analysis appropriate to the applications
- To offer leading undergraduate and graduate programs in statistical and actuarial science
- To offer high-quality introductory statistical and actuarial science courses appropriate for students in a wide range of disciplines
- To explore innovative methods for teaching statistical and actuarial science

Our areas of strength in research include:

- Stochastic modelling (including actuarial/financial, environmental, and health)
- Statistical computing
- Methods for data exploration
- Risk theory

The Department offer courses and programs in statistical and actuarial science at both the undergraduate and graduate levels. Our undergraduate modules include:

- Honors Specialization in Actuarial Science
- Honors Specialization in Financial Modelling
- Honors Specialization in Statistics
- Major in Actuarial Science
- Major in Financial Modelling
- Major in Statistics

Our course offerings allow students to master the subjects required for successful completion of the preliminary examinations of the Society of Actuaries and the Casualty Actuarial Society.

We offer both M.Sc. and Ph.D. degrees in Statistics with concentrations in statistics, actuarial science, or financial modelling and M.Sc. and Ph.D. degrees in Statistics with a concentration in Biostatistics in collaboration with the Department of Epidemiology and Biostatistics.