Statistics and Actuarial Science
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The Department of Statistics and Actuarial Science offers the degree of Bachelor of Science with a major or honours in Actuarial Science or Statistics. Both programs provide a strong foundation in the science of collecting, analyzing and interpreting data - vital skills in this age of “Big Data”. Considered two of the most in-demand professions for employment, statisticians and actuaries have excellent career prospects.

Program Options
The Statistics program is ideal for students who excel at math and are interested in problem solving. Students will learn about topics such as probability, designed experiments, data modelling, and statistical computing. These tools will be applied to the study of data from an array of different fields, including medicine, environmental science, manufacturing, and business.

The Actuarial Science program is suited to those with a strong interest in business, economics, and mathematics. Students selected into this program will graduate prepared for the first five Society of Actuaries/Casualty Actuarial Society Associateship exams.

Sample Careers
• Statistician [Canadian Business ranks actuaries and statisticians as the #1 jobs for 2015]
• Actuary
• Data Scientist
• Demographer
• Statistical Analyst
• Bioinformatics Specialist

Co-op Education
Students with 90 credits or fewer may apply to SFU’s Co-op program, which provides opportunities for students to explore careers and enrich their educational experience via three to four paid, full-time work semesters related to their academic field. Students may work locally, nationally and internationally. Past placements for Statistics and Actuarial Science students have included: Munich Re Canada, Pacific Blue Cross, Statistics Canada, and the UBC James Hogg Institute for Heart and Lung Health.

Essential websites
stat.sfu.ca
stat.sfu.ca/teaching/advising.html
sfu.ca/admission
sfu.ca/coop

“I keep saying that the sexy job in the next 10 years will be statisticians...and I’m not kidding.”
– Hal Varian, Chief Economist, Google.