Faculty of Science

ACTUARIAL SCIENCE

Bachelor of Science (BSc)

Actuarial Science is concerned with the construction of models and solutions for financial, business, and societal problems involving uncertain future events. Over the course of your studies, much of your learning will occur while actively working on problems in class and during tutorials. By exploring the complicated world of financial risk, this degree will equip you with the fundamental and practical tools you’ll need to assess and forecast risk in order to make sound financial decisions.

Did You Know?

To help prepare you for your future career, our actuarial science curriculum covers topics found in the first four professional actuarial examinations sponsored by the Society of Actuaries and the Casualty Actuarial Society.

Toby R.
BSc’10

Toby credits the applied math and problem-solving skills that he developed during his actuarial science degree for helping him land his current role as a quantitative researcher for Facebook. He is part of the company’s marketing science group where he focuses on understanding advertising effectiveness.

“A" When I transferred to UCalgary after discovering actuarial science - a discipline that combined my passions for math, business, and problem-solving - I found my professional path. Being an actuary taught me a lot about professionalism, focus, and discipline. From a business standpoint, my actuarial background has given me a solid understanding of risks.

Nick B., BSc’04

View Program Requirements

1. Visit ucalgary.ca/future-students/undergraduate/explore-programs
2. Select your program
3. Select your type of admission (high school or transfer)
4. Choose the location of your high school

Sample First-Year Courses

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<td>Calculus (MATH 265 or 275)</td>
<td>Calculus (MATH 267 or 277)</td>
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<td>Linear Methods I (MATH 211) or Honours Linear Algebra I (MATH 213)</td>
<td>Computer Science (CPSC 217, 231 or 235)</td>
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Awards

CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

JAMES CALVIN MACTAVISH MEMORIAL SCIENCE ENTRANCE BURSARIES - UP TO $6,000

Job Titles

ACTUARIAL ANALYST
FINANCIAL PLANNER
PENSION CONSULTANT

Student Clubs

SOCIETY OF CALGARY UNDERGRADUATE MATHEMATICIANS
UNIVERSITY OF CALGARY ACTUARIAL SOCIETY