Welcome to the world of the actuary, where risk is the name of the game.

Requiring an acute knowledge of mathematics and statistics, actuaries analyse the impact of risk and uncertainty. They aim to evaluate the likelihood of future events and they design creative ways to reduce the impact of undesirable events that may occur.

Being a broad business discipline, Actuarial Studies combines studies in mathematics, statistics, accounting, economics, finance and their application to financial management in general insurance, health insurance, life insurance, superannuation, funds management, banking and finance.

Actuarial Studies involves the study of models used to quantify and manage risks and the principles involved in pricing, risk assessment, investment, financial management and the financial soundness of insurance companies, benefit plans, financial service companies and financial projects.

OUTSTANDING CAREER OPPORTUNITIES

There is strong demand for graduates in Actuarial Studies. Employers in the financial services industry, including banks, insurers and consultancies, value the rigorous quantitative risk analysis training involved in studying Actuarial Studies. Recent graduate positions include Actuarial Analyst, Asset Management Trainee, Credit Analyst, Data Analyst, Forecasting Analyst, Insurance Analyst, Risk Assessment Officer, Statistical Research Analyst, Superannuation Advisor and Wealth Management Analyst.


TAKING THE FIRST STEP

Actuarial Studies is a challenging but rewarding discipline, and is designed for students who wish to enter the financial services or insurance industry in a quantitative role. If you have a strong ability and interest in mathematics or statistics and their application to business, then an Actuarial Studies degree could be right for you.

DUAL DEGREE OPPORTUNITIES

Students who wish to pursue actuarial studies at UNSW have the option of studying a single degree Bachelor of Actuarial Studies program (3 years full-time) or the following dual degree programs:

- Bachelor of Actuarial Studies / Bachelor of Commerce (4 years full-time);
Bachelor of Actuarial Studies / Bachelor of Economics (4 years full-time);
Bachelor of Actuarial Studies / Bachelor of Laws (5 years full-time);
Bachelor of Actuarial Studies / Bachelor of Science (4 years full-time); and
Bachelor of Actuarial Studies / Bachelor of Science (Advanced Maths) (5 years full-time).

UNSW CO-OP PROGRAM
The Bachelor of Actuarial Studies (Co-op) is a four year prestigious scholarship program combining the Bachelor of Actuarial Studies with 15 months of industry experience with highly sought after sponsor organisations. Students completing the program at the required academic standard may receive exemptions from Part I and Part II of the Actuaries Institute professional examinations. Visit www.coop.unsw.edu.au for more information.

PROFESSIONAL RECOGNITION
Students who achieve the required academic standard in their Actuarial Studies courses gain exemption from Part I of the Actuaries Institute professional examinations, the Core Technical courses of the Institute and Faculty of Actuaries (UK) professional examinations and the Validation by Educational Experience (VEE) credit for the Society of Actuaries (North American) and Casualty Actuarial Society (North American). Courses offered in the fourth year (for students in a dual or Co-op program) also cover the academic requirements for exemption from Part II of the Actuaries Institute professional examinations.

HONOURS PROGRAM
Students with exceptionally high academic performance in their Actuarial Studies courses have the opportunity to join the Actuarial Studies Honours program, which requires an additional year of study.

An Honours year adds extra value to an undergraduate degree by developing research, analytical and communication skills. Honours in Actuarial Studies at UNSW is highly regarded by employers and industry.

### Compulsory core courses
- ACTL1101 Introduction to Actuarial Studies
- ACCT1501 Accounting and Financial Management 1A
- ACCT1511 Accounting and Financial Management 1B
- MGMT1001 Managing Organisations and People
- ECON1101 Microeconomics 1
- ECON1102 Macroeconomics 1
- FINS1613 Business Finance
- MATH1151 Mathematics for Actuarial Studies and Finance 1A
- MATH1251 Mathematics for Actuarial Studies and Finance 1B
- ACTL2102 Foundations of Actuarial Models
- ACTL2111 Financial Mathematics for Actuaries
- ACTL2131 Probability and Mathematical Statistics

### Elective ACTL Courses
- ACTL3141 Actuarial Models and Statistics
- ACTL3151 Life Contingencies
- ACTL3162 General Insurance Techniques
- ACTL3182 Asset-Liability and Derivatives
- ACTL3191 Superannuation and Retirement Benefits
- ACTL3192 Retirement Saving and Spending over the Lifecycle

Other Elective courses (36 uoc)
General Education courses (12 uoc)

For further details on your chosen program and major(s), visit handbook.unsw.edu.au