



Actuarial & Financial Studies

Sample pathway for Actuarial & Financial Studies*

YEAR 1	YEAR 2	YEAR 3	YEAR 4
<p>Engage with the principles</p> <p>In First Year (Stage 1), students engage with the principles of Actuarial & Financial Studies with modules in Mathematics, Economics, Statistics, Accounting and Computer Science.</p> <p>Actuarial & Financial Studies <i>Modules include:</i></p> <ul style="list-style-type: none"> - Linear Algebra - Advanced Calculus - Statistical Modelling - Numbers and Functions - Introduction to Actuarial Financial Studies - Fundamentals of Actuarial Business Theory - Introduction to Programming - Financial Accounting - Differential & Difference Equations - Principles of Finance <p>- One elective module</p>	<p>Broaden your knowledge</p> <p>In Second Year (Stage 2), students broaden their knowledge of Actuarial & Financial Studies with modules in Finance, Statistics, Actuarial Mathematics and Economic History.</p> <p>Actuarial & Financial Studies <i>Modules include:</i></p> <ul style="list-style-type: none"> - Economic History - Professional & Classical Ethics - Probability Theory - Inferential Statistics - Advanced Corporate Finance - Bayesian Analysis - Predictive Analysis - Fundamentals of Actuarial Mathematics <p>- Two elective modules</p>	<p>Refine your knowledge</p> <p>In Third Year (Stage 3), students refine their knowledge of Actuarial & Financial Studies with modules in Investment & Trading, Actuarial Statistics, Information Management, Workplace Skills and a six-month professional placement in an insurance or financial institution.</p> <p>Actuarial & Financial Studies <i>Modules include:</i></p> <ul style="list-style-type: none"> - Investing and Trading - Stochastic & Survival Models - Time Series Analysis - Information Management for Actuaries - Workplace Skills - BAFS Professional Work Placement (at least 6 months) <p>- Two elective modules</p>	<p>Refine your knowledge</p> <p>In Fourth Year (Stage 4), students complete their undergraduate studies in Actuarial & Financial Studies.</p> <p>Actuarial & Financial Studies <i>Modules include:</i></p> <ul style="list-style-type: none"> - Actuarial Statistics - Core Actuarial Principles - Financial and Actuarial Mathematics - Actuarial Mathematics <p>- Two option modules</p>

Career & Study Opportunities

BAFS (Honours) Actuarial & Financial Studies

PhD

- Students can pursue a PhD in Ireland or abroad in areas as diverse as: Mathematics, Statistics and Actuarial Studies

Industry

Actuarial Trainee in the following areas:

- Life Insurance
- Pensions
- Investment
- Health Insurance
- General Insurance
- Banking or Finance
- Trading

Conversion Courses

- MSc Data & Computational Science
- MSc Mathematical Science
- MSc Mathematics
- MSc Statistics

*This pathway is an example only and is not guaranteed by UCD. Modules are subject to change each year.