

Programme content

Core/Optional Courses & Projects

BSc Actuarial Science		
Year 1	Students take 7 core courses and 1 optional course	
	Multivariable Calculus and Real Analysis A	Core
	Multivariable Calculus and Real Analysis B	Core
	Linear Algebra	Core
	Finance and Financial Reporting	Optional
	Actuarial and Financial Mathematics A	Core
	Actuarial and Financial Mathematics B	Core
	Probability and Statistics A	Core
	Probability and Statistics B	Core
Year 2	Students take 8 core courses	
	Life Insurance Mathematics A	Core
	Life Insurance Mathematics B	Core
	Stochastic Processes	Core
	Survival Models	Core
	Derivative Markets and Discrete-time Finance	Core
	Statistical Models A	Core
	Statistical Models B	Core
	Portfolio Theory and Asset Models	Core
Year 3	Students take 6 optional courses and 2 elective courses	
	Statistics for Social Science	Optional
	Risk Theory	Optional
	Time Series Analysis	Optional
	Optimisation	Optional
	Ordinary Differential Equations	Elective
	Continuous-Time Finance	Optional
	Financial Risk Management	Optional
	Bayesian Inference & Computational Methods	Optional
	Introductory Economics	Elective