MSC (ACTUARIAL SCIENCE)

Programme Requirements

Code	Title	Credits
Students take **90** credits as follows - **75** credits of core modules and **15** credits of elective modules:		
Part I		
Students take **45** credits as follows:		
Core Modules		
ST6001	Theory of Annuities-Certain for Actuarial Science	10
ST6005	Life Contingencies for Actuarial Science	10
ST6015	Machine Learning Methods for Actuarial Applications	5
ST6017	Quantitative methods for Non-Life Insurance	5
ST6020	Actuarial Business & Financial Reporting Methods	5
ST6022	Survival Methods for Actuarial Science	5
ST6032	Stochastic Modelling Techniques	5
Elective Modules		
Select all modules from either List A or List B: [1]		15
List A (CS1 modules)		
ST6003	Probability & Mathematical Statistics for Actuarial Science (10)	
ST6018	Regression & Generalised Linear Model Techniques for Actuarial Science (5)	
List B (CM2 modules)		
ST6016	Applied Financial Risk Modelling and Analytics for Actuarial Science (5)	
ST6019	Application of Computational Methods in Actuarial Science and Risk Modelling (5)	
ST6023	Modelling & Risk Analysis for Actuarial Science (5)	
Part II		
Students take **30** credits as follows:		
Core Modules		
PA6007	Market Analysis Methods for Actuarial Science	10
ST6009	Application of Core Technical Research Methodologies in Actuarial Science	20
Total Credits		**90**

[1] **Note:** The Choice of electives must be agreed in advance with the programme co-ordinator.

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.