

MATH1048 Linear Algebra I	7.5	15	Core				
MATH1059 Calculus	7.5	15	Core				
MATH1046 First Year Mathematics Workshop					0	0	Comp
MATH1053 TT Personal Tutor meeting					0	0	Comp
MATH1024 Introduction to Probability and Statistics	7.5	15	Comp	MATH1049 Linear Algebra II	7.5	15	Comp
				MATH1058 Operational Research I and Mathematical Computing	7.5	15	Comp
				MATH1060 Multivariable Calculus	7.5	15	Comp
Option Modules:							
Select 2 modules from the following:- Students may select either ECON1001 or ECON1003 (Not Both). If you have NOT passed Economics at A Level, or an equivalent level, you may select ECON 1001 only, if you HAVE passed Economics at A Level you may select ECON 1003 only.							
FREEX15 Part 1 Elective	7.5	15	Option	FREEX15 Part 1 Elective	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option
LANGXX30 Language Module	7.5	15	Option	LANGXX30 Language Module	7.5	15	Option
ECON1001 Foundations of Microeconomics	7.5	15	Option	DEMO1001 Introduction to Demographic Methods	7.5	15	Option
ECON1003 Principles of Microeconomics	7.5	15	Option	ECON1002 Principles of Macroeconomics	7.5	15	Option
MATH1001 Number Theory	7.5	15	Option	MATH1057 Dynamics and Relativity	7.5	15	Option

Part 2

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
MATH2011 Statistical Distribution Theory	7.5	15	Comp	MATH2010 Statistical Modelling I	7.5	15	Comp
MATH2039 Analysis	7.5	15	Comp	MATH2012 Stochastic Processes	7.5	15	Comp
				MATH2038 Partial Differential Equations	7.5	15	Comp
Select 3 modules (22.5 ECTS/45 CATS) from the following:- Modules often taken as part of the programme are MATH2013, MATH2040 and MATH2014. Please do NOT select modules you have taken previously. If you do, you will be contacted by your Student Office and asked to amend your choices. Please also ensure that you select an even split of credits overall by Semester including your compulsory modules.							
FREEXY15 Part 2 Elective	7.5	15	Option	CRIM1004 Criminal Justice Studies	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	MATH2014 Algorithms	7.5	15	Option
MATH2003 Group Theory	7.5	15	Option	MATH2044 Fields and Fluids	7.5	15	Option
MATH2013 Introduction to Operational Research	7.5	15	Option	MATH2049 Geometry and Topology	7.5	15	Option
MATH2040 Financial Mathematics	7.5	15	Option	SOES1009 The Living Earth	7.5	15	Option
				FREEXY15 Part 2 Elective	7.5	15	Option
				LANGXX15 Language Module	7.5	15	Option

Part 3

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
MATH3044 Statistical Inference	7.5	15	Comp	MATH3091 Statistical Modelling II	7.5	15	Comp
				MATH3014 Design and Analysis of Experiments	7.5	15	Comp
MATH3092 Mathematics Project					15	30	Comp
Select 3 modules (22.5ECTS-35 CATS) from the following:- Please ensure that you select an even split of credits overall by Semester including your compulsory modules. If you do not, you will be contacted by your Student Office and asked to amend your choices. If you have already taken MATH2046 Algebra and Geometry you may not select MATH2049 Geometry and Topology							

Select 0 modules (0 credits) up to a maximum of 1 module (7.5 ECTS/15 CATS) from the following:							
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
LANGXX15 Language Module	7.5	15	Option	MATH2010 Statistical Modelling I	7.5	15	Option
GEOG3048 Aeolian Landscapes: Modelling and Measuring Aeolian Systems	7.5	15	Option	MATH2014 Algorithms	7.5	15	Option
MATH2003 Group Theory	7.5	15	Option	MATH2044 Fields and Fluids	7.5	15	Option
MATH2013 Introduction to Operational Research	7.5	15	Option	MATH2049 Geometry and Topology	7.5	15	Option
MATH2040 Financial Mathematics	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option
MATH2045 Vector Calculus and Complex Variable	7.5	15	Option				
UOSM2004 Global Health	7.5	15	Option				
Select 2 modules (30 credits) up to a maximum of 3 modules (22.5 ECTS/ 45 CATS) from the following:							
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
FREEZX15 Part 3 Elective	7.5	15	Option	MATH3006 Relativity, Blackholes and Cosmology	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	MATH3017 Mathematical Programming	7.5	15	Option
LANGXX30 Language Module	15	30	Option	MATH3022 Mathematical Finance	7.5	15	Option
MATH3016 Optimization	7.5	15	Option	MATH3052 Mathematical Biology	7.5	15	Option
MATH3018 Numerical Methods	7.5	15	Option	MATH3066 Actuarial Mathematics II	7.5	15	Option
MATH3033 Graph Theory	7.5	15	Option	MATH3078 Further Number Theory	7.5	15	Option
MATH3063 Actuarial Mathematics I	7.5	15	Option	MATH3080 Algebraic Topology	7.5	15	Option
MATH3076 Hilbert Spaces	7.5	15	Option	MATH3084 Integral Transform Methods	7.5	15	Option
MATH3083 Advanced Partial Differential Equations	7.5	15	Option	MATH3088 Complex Analysis	7.5	15	Option
MATH3085 Survival Models	7.5	15	Option	STAT3010 Statistical Methods in Insurance	7.5	15	Option
MATH3086 Galois Theory	7.5	15	Option	LANGXX15 Language Module	15	30	Option
MATH3090 Structure and Dynamics of Networks	7.5	15	Option				