Mathematics and Statistics (3 Years) [BSc]

Year 2 Programme Structure

The 2nd year of this programme consists of 90 credits of MATH compulsory (a mandatory requirement) course units, all of which take place in semester 1 and 30 credits of MATH options in semester 2 to be chosen from the list below, totalling 120 credits.

You may take non-MATH course units up to a maximum of 20 credits in place of MATH course units with permission. If you wish to take a non-MATH course unit in semester 1 you can do so by taking a 70:50 split or delaying MATH20201 and MATH20701 until the third year, however you will need to complete the appropriate form which is available here. To take an outside course unit you will need the permission from the Year Tutor and the course unit permission form to be completed. Please check the timetables before selecting course units.

Appropriate outside options for this particular pathway include: BMAN10552, BMAN10621(B), BMAN10632. Note BMAN10621(B) is a pre-requisite for BMAN10632, and students who choose BMAN10621(B) it is recommended that they also take MATH20201 in semester 1 of year 2, taking a 70:50 split.

Course descriptions on each course unit includes information on assessment criteria's, lecturer, syllabus, learning outcomes, etc., and they are available from the 'My Course' tab in 'My Manchester' by searching the subject code or you can browse them from the Schools 'Study' website.

Level 2 course units

Description	Semester	Requirement	Credit Rating	Level
MATH20041 - Managing My Future	1	Mandatory	0	2
MATH20101 - Real and Complex Analysis	1	Mandatory	20	2
MATH20201 - Algebraic Structures 1	1	Mandatory	10	2
MATH20401 - Partial Differential Equations and Vector Calculus A	1	Mandatory	20	2
MATH20701 - Probability 2	1	Mandatory	10	2
MATH20712 - Random Models	2	Mandatory	10	2

Description	Semester	Requirement	Credit Rating	Level
MATH20802 - Statistical Methods	2	Mandatory	10	2
MATH20812 - Practical Statistics	2	Mandatory	10	2
MATH20122 - Metric Spaces	2	Optional	10	2
MATH20132 - Calculus of Several Variables	2	Optional	10	2
MATH20142 - Complex Analysis	2	Optional	10	2
MATH20212 - Algebraic Structures 2	2	Optional	10	2
MATH20222 - Introduction to Geometry	2	Optional	10	2
MATH20302 - Introduction to Logic	2	Optional	10	2
MATH20502 - Fluid Mechanics	2	Optional	10	2
MATH20512 - Classical Mechanics	2	Optional	10	2
MATH20522 - Principles of Mathematical Modelling	2	Optional	10	2
MATH20602 - Numerical Analysis 1	2	Optional	10	2
MATH20622 - Programming with Python	2	Optional	10	2
MATH20722 - Foundations of Modern Probability	2	Optional	10	2
MATH20902 - Discrete Mathematics	2	Optional	10	2
MATH20912 - Introduction to Financial Mathematics	2	Optional	10	2