Mathematics and Statistics (4 Years) [MMath]

Year 2 Programme Structure

The 2nd year of this programme consists of 90 credits of MATH compulsory (a mandatory requirement) course units, of which 60 credits take place in semester 1, and 30 credits of semester 2, with 30 credits of MATH optional course units in semester 2 from the list below, totalling 120 credits.

You may take outside 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 or MATH20701 until the third year, however you will need to complete the Course unit permission form. Outside course units will need permission from the Year Tutor and the appropriate from to be completed.

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
MATH20802 - Statistical Methods	2	Mandatory	10	2

Description	Semester	Requirement	Credit Rating	Level
MATH20812 - Practical Statistics	2	Mandatory	10	2
MATH20122 - Metric Spaces	2	Optional	10	2
MATH20132 - Calculus of Several Variables	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