Mathematics with Financial Mathematics (4 Years) (MMath)

Year 2 Programme Structure

The 2nd year of this programme consists of 80 credits of MATH and BMAN compulsory (a mandatory requirement) course units, and 40 credits of MATH optional course units in semester 2 from the list below, totalling 120 credits.

It is also recommended that you take MATH20201 compulsory course unit in the first semester for a 70:50 split, otherwise you will have to take MATH20201 in your third year, which would prevent you from taking BMAN21020 or BMAN21040 20 credit course units in your third year.

Please note that you will need to pass BMAN10621B and/or BMAN10632 with a mark of at least 40% as a first attempt or you will not be permitted to take any BMAN units with these courses as pre-requisites.

Students on this programme can substitute a MATH optional course unit with a University College (UCIL) course unit. You will need to apply for permission by completing the course unit permission form. Please check the timetables before selecting course units.

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
BMAN10621B - Fundamentals of Financial Reporting B	1	Mandatory	10	1
MATH20041 - Managing My Future	1	Mandatory	0	2
MATH20101 - Real and Complex Analysis	1	Mandatory	20	2
MATH20401 - Partial Differential Equations and Vector Calculus A	1	Mandatory	20	2
MATH20701 - Probability 2	1	Mandatory	10	2
BMAN10632 - Fundamentals of Management Accounting	2	Mandatory	10	1

Description	Semester	Requirement	Credit Rating	Level
MATH20912 - Introduction to Financial Mathematics	2	Mandatory	10	2
MATH20201 - Algebraic Structures 1	1	Optional	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
MATH20712 - Random Models	2	Optional	10	2
MATH20722 - Foundations of Modern Probability	2	Optional	10	2
MATH20802 - Statistical Methods	2	Optional	10	2
MATH20812 - Practical Statistics	2	Optional	10	2
MATH20902 - Discrete Mathematics	2	Optional	10	2