

# Actuarial Science and Mathematics (3 years) [BSc]

## Year 1 Programme Structure

In the first year all course units are compulsory (= mandatory) as listed below, totalling 120 credits.

Students take 100 credits of MATH course units, plus ECON10221 (Microeconomics 1) and ECON10252 (Macroeconomics 1) as listed below.

**The first year includes an additional progression rule:** For each of the following non-compensatable course units (MATH10111, MATH10131, MATH10212, and MATH10232) you must achieve an overall mark of 40% to pass the year and continue your studies.

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 1 course units

Description	Semester	Requirement	Credit Rating	Level
<a href="#">ECON10221 - Microeconomics 1</a>	1	Mandatory	10	1
<a href="#">MATH10111 - Foundations of Pure Mathematics B</a>	1	Mandatory	15	1
<a href="#">MATH10131 - Calculus and Vectors B</a>	1	Mandatory	15	1
<a href="#">MATH10141 - Probability 1</a>	1	Mandatory	10	1
<a href="#">MATH10951 - Financial Mathematics for Actuarial Science 1</a>	1	Mandatory	10	1
<a href="#">ECON10252 - Macroeconomics 1</a>	2	Mandatory	10	1
<a href="#">MATH10212 - Linear Algebra B</a>	2	Mandatory	15	1
<a href="#">MATH10232 - Calculus and Applications B</a>	2	Mandatory	15	1
<a href="#">MATH10242 - Sequences and Series</a>	2	Mandatory	10	1
<a href="#">MATH10282 - Introduction to Statistics</a>	2	Mandatory	10	1