

Mathematics

AS LEVEL

A LEVEL

COURSE CODE

AS Level 8MA0
A Level 9MA0

ENTRY REQUIREMENTS

Grade 7 in GCSE, or
Grade 6 in GCSE - with a commitment to re-sit GCSE maths in November and have 3 other A level choices.

WHAT WILL YOU LEARN?

- Pure mathematics including; solving equations, graph sketching, proof
- Geometry, calculus, exponentials and logarithms.
- Statistical analysis and representation, Normal distribution, probability models,
- Mechanical mathematics including; kinematics, statics, moments and vectors

ASSESSMENT

AS Level

2 written exam papers

Paper 1. Pure Mathematics - 2 hours (100 marks)

Paper 2. Statistics and Mechanics - 1 hour (50 marks)

A Level

3 written exam papers

Paper 1. Pure Mathematics 1 - 2 hours (100 marks)

Paper 2. Pure Mathematics 2 - 2 hours (100 marks)

Paper 3. Statistics and Mechanics - 2 hours (100 marks)

NEXT STEPS

A level Mathematics students can move on to study a wide range of subjects at University. Obviously Mathematics itself but in addition Natural Sciences and Medicine degrees require a very good A level mathematics grade virtually without exception. A level maths will support the study of Engineering, Psychology or Economics at degree level.

CAREER INFORMATION

Studying A-Level Mathematics can be the starting point for a career in analytical or problem solving career. Mathematical modelling particularly in the Pharmaceutical industry attracts a number of Mathematics graduates, Actuaries within the Insurance sector, Accountancy and Finance in general are all places of work where Mathematics graduates are consistently employed.

EXTRA COSTS

Students may be required to purchase a course textbook and calculator for around £20 each.

