

Maths

COURSE CODE

AS Level 8MA0
A Level 9MA0

ENTRY REQUIREMENTS

- 6 in GCSE Maths.

WHAT WILL YOU LEARN?

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

CAREER INFORMATION

Studying A-Level Maths 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 Maths graduates are consistently employed.

EXTRA COSTS

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