

A Level Mathematics

Exam board & Specification Number	Edexcel 9MA0
Qualification Accreditation Number (QAN)	6031333X
Link to Course Details Webpage	click here
Duration, Delivery and Study Mode	Two Years Full Time Day Time Study
Start Date (not flexible) and Campus	01 September from Stanley Avenue Campus

Course Details: Who is this Course for?

This course is for students progressing from GCSE into Level 3 (A Level or Equivalent) studies, with a view to study this subject or related subjects at degree level.

Course Details: What Will You Learn?

Year 1	<p>Unit 1: Pure Mathematics: Topics you will study include: Proof, Algebra and functions, Coordinate geometry in the (x, y) plane, Trigonometry, Exponentials and logarithms, Differentiation, Integration, and Vectors.</p> <p>Unit 2: Statistics and Mechanics: Topics you will study include: Statistical sampling, Data presentation and interpretation with large data set, Probability, Statistical distribution, Statistical hypothesis testing, Modelling in Mechanics, Kinematics, Forces and Newton's laws and Variable acceleration.</p>
Year 2	<p>Unit 1: Pure Mathematics 1: As well as revision of Year 1 topics, other topics you will study include: Numerical methods, Sequences and Series, Functions, Further Binomial Expansion, Further Trigonometry and Further Calculus.</p> <p>Unit 2: Pure Mathematics 2: As well as revision of Year 1 topics, other topics you will study include: Numerical Methods, Sequences and Series and Further Trigonometry and Further Calculus.</p> <p>Unit 3: Statistics and Mechanics: As well as revision of Year 1 topics, other topics you will study include: Regression, Correlation and Hypothesis Testing, Further Probability and Normal Distribution in A2 Statistics, Moments, Application of Forces, Vectors in 3-D and Projectiles</p>

Course Details: How will you be Assessed?

These are the Unit Codes and their percentage weighting at A Level:

Paper 1: 9MA0/01 [33.3%]	Assessed by a 2 hour internal examination in the Summer Term.
Paper 2: 9MA0/02 [33.3%]	Assessed by a 2 hour internal examination in the Summer Term
Paper 3: 9MA0/03 [33.3%]	Assessed by a 2 hour internal examination in the Summer Term

Course Details: Entry Requirements

Please see our [webpage](#) for details of our course entry requirements.

Students must achieve a D grade or higher at the end of Year 12 in order to progress into Year 2 of this course.

Additional Course Information

Course Details: How will you Learn?

Delivery Mode:

- Classroom based teaching
- Flipped Learning based independent study

Course Details: Equipment / Materials you will need

- Scientific Calculator
- Graph Paper, Writing Paper, Pencils and Pens
- Maths Sets including Ruler, Compass, Protractor
- All other equipment will be provided to you by the school

How can I prepare for and explore this course further?

- [Glossary of Technical Terminology](#)
- [Recommended Text Books](#)
- [Past Exam Papers Mathematics](#)
- [Related Articles](#)
- [Mathematics VIP Zone](#)

Careers & Progression (Where Next)?

Career ideas and Progression route:

Level 3 qualifications in Mathematics will enable students to enter degree courses related to statistics, finance, engineering and medicine.

[Click here for information on Careers in Mathematics](#)