



MATHEMATICS

Exam Board: Edexcel

Why should I study the course?

A level Mathematics deepens your understanding of the natural world. We go from statistical analysis to predicting outcomes – statistics. We model real life, practical scenarios and calculate results – mechanics. Also crucially, abstracting concepts from theoretical problems which develops algebraic ability through pure mathematics. The course gives you the techniques required for other science based disciplines as well as a solid foundation for further mathematical study.

Study Methods

Students will be involved in problem solving and discussion which is aimed to develop an analytical understanding of mathematical concepts required. This will be done through a combination of task focused teaching and practice using both text book and ICT sources.

Assessment:

AS	Core Mathematics 1:C1	Written Examination	(33.3%)
	Core Mathematics 2:C2	Written Examination	(33.3%)
	Statistics 1:S1	Written Examination	(33.3%)
A2	Core Mathematics 3:C3	Written Examination	(33.3%)
	Core Mathematics 4:C4	Written Examination	(33.3%)
	Mechanics 1:M1 or		
	Statistics 2:S2	Written Examination	(33.3%)

What career opportunities will I have?

Mathematics is a desirable qualification for entry in to any field, whether science or art based. It is recommended for any form of engineering, scientific, or business focussed careers.

Entry requirements

The minimum requirement for A level Mathematics is a grade B at GCSE Mathematics higher tier.

GCE Mathematics OASP Content

13 equally weighted units available in:

Core Mathematics	Further Pure Mathematics	Statistics (Applied)	Mechanics (Applied)	Decision Mathematics (Applied)
C1, C2, C3, C4	FP1, FP2, FP3	S1, S2	M1, M2	D1, D2

Two combinations for AS Mathematics	Two combinations for AS Further Mathematics (Optional)
C1, C2, M1	FP1, M2, S1
C1, C2, S1	FP1, M1, M2

Four combinations for A Level Mathematics (A2)

- C1, C2, C3, C4, M1, M2
- C1, C2, C3, C4, S1, S2
- C1, C2, C3, C4, S1, D1
- C1, C2, C3, C4, M1, D1

Combinations for AS Further Mathematics

FP1 + any* two 'Applications' Units

*Not already used to contribute towards AS Mathematics

GCE Further Mathematics

FP1, FP2, + any* four 'Applications' Units

*Not already used to contribute towards AS or A2 Mathematics

GCE Pure Mathematics

C1, C2, C3, C4, FP1, FP2,

A Good Combination:

AS: C1, C2, S1/M1

A2: C3, C4, S2/M2

AS Further Maths: FP1, D1, M1/S1

Further Maths: FP2, D2, M2/S2

Each unit is assessed through one written paper, each paper:

- is typically 90 minutes long
- has a maximum of 100 Uniform Marks
- is a calculator assessment (with the exception of C1, the **only** non-calculator paper)

Availability:

- No January Exams
- May/June (all units)