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# Mathematics and further Mathematics

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## Course Introduction

GCE Mathematics / Further Mathematics enables students to study a broader range of concepts to a greater depth. They will develop and extend their range of skills and techniques, using them in more complex, structured problems.

## Assessment

Each module is assessed through an external examination of 1½ hours.

Each module has the same weighting of marks.

Students will be assessed on their ability to:

Write legibly, with accurate use of spelling, grammar and punctuation in order to make the meaning clear.

Select and use a form and style of writing appropriate to purpose and to complex subject matter.

Organise relevant information clearly and coherently, using specialist vocabulary when appropriate.

Students who are awarded certificates in both Advanced GCE Mathematics and Advanced Further Mathematics must use module results from 12 different teaching modules.

## Minimum Entry Requirement

Mathematics -Grade 7 in GCSE Mathematics.  
Further Mathematics - Grade 8 in GCSE Mathematics

## AS Level & A2 Level Specification

GCE Mathematics:

Students study 3 modules for AS Mathematics. Students study Core Mathematics C1, Core Mathematics C2 and one optional module. Students then study 3 further modules for GCE Mathematics. These modules consist of Core Mathematics C3 and Core Mathematics C4 plus a further optional module.

GCE Further Mathematics:

Students study 3 modules for AS Further Mathematics.

Students study Further Pure Mathematics FP1, and two optional modules

Students then study 3 further modules for GCE Further Mathematics These modules consist of either Further Pure Mathematics FP2 or FP3 and two optional modules.

Mathematics Core units and optional units:

Core Mathematics C1  
Core Mathematics C2  
Core Mathematics C3  
Core Mathematics C4

Further Pure Mathematics FP1  
Further Pure Mathematics FP2  
Further Pure Mathematics FP3

Mathematics Optional units:

Mechanics M1  
Mechanics M2

Statistics S1  
Statistics S2

Decision Mathematics D1  
Decision Mathematics D2