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# Further Mathematics

A-level

## Introduction

Further Mathematics is an AS/A-level qualification which both broadens and deepens the mathematics covered in AS/A-level Maths. Any student who knows that they want to study for a degree in a maths rich subject such as engineering, sciences, computing, finance or economics should seriously consider Further Maths.

## Why Further Mathematics?

There are many reasons – a few are:-

- Students taking Further Mathematics overwhelmingly find it to be an enjoyable, rewarding, stimulating and empowering experience.
- For someone who enjoys Mathematics, it provides a challenge and a chance to explore new and more sophisticated mathematical concepts.
- It enables students to distinguish themselves as able mathematicians in the university and employment market.
- Some prestigious university courses will only accept students with Further Mathematics on maths and science (Chemistry and Physics) based degrees.
- Studying Further Maths boosts students' performance in AS/A-level Mathematics.
- "When students begin an engineering course with a further maths qualification, whether at A-level or AS, we find they are significantly better prepared to manage their studies."

John Morton, Chief executive: Engineering and Technology Board

- "ECUK strongly supports the work of the Further Mathematics Network. By offering increased opportunities to students to take Further Maths at AS and A2 levels, it will help make them better prepared to enter degree courses in engineering. Furthermore by offering high quality professional development for teachers it will enhance the totality of learning and teaching in Mathematics."

Andrew Ramsay, Executive Director: Engineering Council UK

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Many universities are now encouraging students to take Further Maths if they wish to study Maths-related subjects such as engineering, sciences, computing or technology.

### Any special requirements?

To study Further Mathematics you need to obtain at least a grade 8 at GCSE.

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