FURTHER MATHS, AS-LEVEL

Overview

On the AS/A Level further mathematics course, you will be in class for 4 hours a week. You will complete the AS-Level in the first year and the full A Level in the second year. This course is designed to be taken in tandem with AS/A2 mathematics, with both AS courses to be sat in year 1. Both courses follow the new specification beginning in the 17/18 year.

The topics support those learned in A Level mathematics, with additional techniques in calculus, trigonometry and methods of proof with an increased focused on unstructured tasks, and flexibility over the choice of applied units, which can be taken from mechanics, statistics, and discrete mathematics, with an increased emphasis on modelling and data analysis to reflect the modern economy.

The course can be taken in the following ways:

- As a stand-alone part-time course.

- As an 'add on' to a Full Time Level 3 Study Programme at the College, for example alongside a BTEC Extended Diploma.

- As part of a study programme with another two A-Levels (full-time package).

What will I learn?

AS further mathematics encompasses a number of topics, including but not restricted to:

-Constructing mathematical arguments and methods of proof
-Complex numbers
-Matrices and vectors
-Equations in Cartesian, parametric and polar form
-Topics from mechanics, statistics and/or discrete mathematics

The full A-Level further mathematics programme covers the above at a greater depth.

How will I be assessed?

Both AS and A-Levels have written examinations in May/June. You will complete two 1 hour 30 minute papers in year 1 and three papers in year 2.

Career Opportunities

An A level in further mathematics, when combined with other A-Levels, is an excellent preparation for study at degree level, especially in the science, technology, engineering and mathematics fields, and well respected by universities.

Mathematics is a highly respected academic subject and advanced qualifications in mathematics provide career opportunities in a number of sectors, especially within the areas of engineering, industry, finance, operational research and education.

Further mathematics will enable you to will develop the deeper skills of analysis, reasoning and critical thinking which are much sought after even in careers without a specifically mathematical focus.

Entry requirements

5 GCSEs at Grades A-C (including English at grade 4), and a mathematics GCSE at grade 8. Offers based on mathematics qualifications achieved at post-college level will be agreed during the application process.

If you would like to apply for the full-time package (3-4 AS-Levels) please complete a full-time application form.

If you would like to study this course part-time, please contact the tutor, Andrew Hawkins (Andrew.Hawkins@kendal.ac.uk)

Fees

Adult fees

£724.00

Please note: If you are an adult student you may be entitled to financial support to cover the cost of your course, dependent on your circumstances. Please contact Student Services on enquiries@kendal.ac.uk for details. More about Student Finance. ({page_2118})