Further Mathematics - A Level (Edexcel)

A Level Further Mathematics builds on your love of mathematics, algebra and problem solving, expanding beyond the standard Maths curriculum. You will learn about new and intriguing topics such as imaginary numbers, matrices, groups and number theory as well as extend your knowledge of calculus and coordinate geometry.

This course is available for international students, if you are applying as an international student please click here.

WHAT WILL I STUDY?

Topics covered can include:

- Complex numbers
- Roots of polynomials
- Matrices and transformations
- Sequences and series
- Proof by induction
- Matrices and inverses
- Further calculus
- Complex numbers and geometry
- Vectors and 3D space
- Inequalities
- Coordinate systems
- Trigonometry
- Vectors
- Numerical methods
- Discrete random variables
- Discrete distributions
- Chi-squared numbers
- Work, energy and power
- Impulse and momentum
- Maclaurin series
- Polar coordinates
- Further calculus
- Applications of integration
- First order differential equations
- Second order differential equations

Start Date: 2 September 2024
Duration: 2 Years
Attendance: Full Time
Location: Angel Sixth Form College

WHAT WILL I NEED?

You will need:

- Grade 5 or above in GCSE English Language
- Grade 8 or above in GCSE Maths
- Three further GCSEs at grade 4 or above

If you wish to study 4 A Levels, you will need 7 GCSEs at grade 7 or above, including two at grade 8.

All applicants must have an interview to confirm that A Levels are suitable for them.

This subject must be studied in combination with Maths.

When applying for an A Level programme at City and Islington, please refer to the general entry requirements on our A Level Courses page as well as the subject-specific details listed above.

HOW WILL I BE ASSESSED?

Assessment is by examination at the end of the course. There will be two exams on the core aspects of the course and two exams on further pure mathematics.

WHAT WILL IT COST?

AGED 16-18

If you will be aged 16, 17 or 18 on 31st August prior to the start date of your course and you have the legal right to remain in the UK for the duration of your programme then your study with us will be free. Please see here for the documents you will need to show us.

Some courses will have other associated costs, such as for specialist materials and trips. Many of our students are eligible for financial support, see here for details.

WHAT CAN I DO AFTER?

A Levels are widely regarded as the standard entry qualification for top universities in the UK, and the rest of the world. Many of our students go on to study for a degree at the university of their choice, with some choosing to progress into apprenticeships or other employment.

Start Date: 2 September 2024
Duration: 2 Years
Attendance: Full Time
Location: Angel Sixth Form College

Ofsted
Good
Provider

Capital City
College Group
www.capitalccg.ac.uk