

The content assessed on Paper 1 is:

- Statistical Diagrams, Calculations and Methods
- Mathematics for Personal Finance (taxation, National Insurance, interest, mortgages, inflation, budgeting, currency, pensions)
- Fermi Estimation
- Critical Analysis of Data

The content assessed on Paper 2 is:

- Critical Analysis of Data, Graphs and Articles
- Drawing and Interpreting Graphical Models (linear, quadratic, cubic, distance-time, velocity-time)
- Rates of Change
- Exponential Models and Graphs

Throughout the course you will undertake three formative assessments similar to mock examinations. This will aid you in developing your examination technique and to provide you with the next steps in your learning.

COURSE COMMITMENT

The course has 4.5 hours of lesson time per week which is one block of the college timetable.

There are weekly homework tasks which are used to consolidate your learning, close any identified learning gaps you may have and prepare you for any upcoming examinations. The set tasks will take a maximum of 3 hours to complete.

COURSE COSTS

A Casio fx-991EX scientific calculator is required (which will be available to purchase from the College Resource Centre). Graphical calculators can be used but are not essential.

ENTRANCE REQUIREMENTS

For entrance on to this course you will need to meet the college standard entry requirements for advanced study of 5 GCSE passes (grades 4 - 9), including GCSE grade 4 or above in Mathematics.

PROGRESSION ROUTES

Many universities and employers have shown their support for mathematical studies as you develop analytical skills which are required in later life. The University of Sheffield say: 'If you're taking a Core Maths qualification, we'll make you an alternative offer equivalent to one A-level grade below the standard entry requirements for your course, subject to you achieving a specific grade in Core Maths.'

Previous students on this course have progressed onto different pathways after achieving the qualification. Common progression routes for the course are apprenticeships, full time employment and university.

In August 2022, the pass rate for the course was 100%, with 62.5% of students achieving a Grade A or B.

FURTHER INFORMATION

The full course specification can be found at:

<https://www.aqa.org.uk/subjects/mathematics/aqa-certificate/mathematical-studies-1350>

Should you require further information please contact Ryan Matthewman via r.matthewman@tvc.ac.uk .