



# MATHEMATICS, STATISTICS, AND MECHANICS

A Level Mathematics is an essential qualification for many university degree programmes including Mathematics and IT based subjects, it is also extremely useful for other science and social science based degree programmes.

These courses are extremely flexible and allow for many different combinations. Students can take Pure Mathematics and/or Statistics as individual A Levels, or can combine different modules in order to gain A Levels in Pure Mathematics and Further Mathematics. Below we have outlined two different options, but it is possible to take these subjects in other combinations.

## OPTION ONE

Pure Mathematics – C1, C2, C3, C4, FP1, FP2

Statistics – S1, S2, S3, S4, S5, S6

## OPTION TWO

Pure Mathematics – C1, C2, C3, C4, S1, M1.

Further Mathematics – FP1, FP2, S2, S3, M2, M3

Each of these modules is assessed by a one and a half hour written examination, and counts for 16.7% of the total A Level

Plus:

1. Be able to use and apply mathematical models in mechanics
2. Develop an understanding of theories and application of kinematics

## READING

The basic texts for Pure Mathematics, Statistics, and Mechanics are all from the Heinemann Modular Mathematics for Edexcel publications