

# MATHEMATICS $\sqrt{2}$



## WHAT WILL I STUDY?

Studying AS/A Level Mathematics will help you to develop a logical approach to problem-solving, as well as your mathematical knowledge and skills. You will study three areas: Pure Mathematics, Statistics and Mechanics.

Understanding Mathematics and its processes will help to increase confidence, foster enjoyment and provide a strong foundation for further study. You will learn how to apply mathematics in other fields of study and be aware of the relevance of it to the world of work and in society.

## A LEVEL MATHEMATICS

### ENTRY REQUIREMENTS

A minimum of 5 GCSE subjects graded 9-5 including English and 2 GCSE subjects graded 9-6 including Maths.

### COURSE FEATURES

- Academic Development - opportunity to take additional qualifications and develop skills alongside academic studies.
- Work placement.
- Partnerships with some of the UK's leading employers.
- Programme designed in response to the findings of some of the UK's leading universities and businesses.
- Exceptional learning facilities.
- Small class sizes.
- Additional academic support tutorials delivered individually or in small groups.
- Mock interviews.
- Opportunities to undertake enterprise projects and compete in local and national competitions.
- Enrichment opportunities that add value to applications for higher study and chosen careers, including an enhanced guest speaker programme.

Students undertake a work placement, voluntary and charity work opportunities.

These experiences will help you build vital skills and expand your personal development, as well as boosting applications to top universities and employers.

The college's strong industry links, combined with its purpose built state-of-the-art facilities, provide the foundations for establishing a dynamic career, with the support of industry experienced professional tutors.

## ACADEMIC DEVELOPMENT

**Students benefit from a range of extra qualifications, work placements, voluntary work and masterclasses, delivered by industry experts. Options include:**

You will benefit from masterclasses with industry experts such as Ford France and BAE Systems. You can challenge yourself at UKMT Senior Mathematics Challenge. You will be supported through the University of Manchester support sessions and the college's Mathematics lunchtime club.

If you have any queries please contact our Admissions Team: **01942 761 111** or email: **applications@wigan-leigh.ac.uk**

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## COURSE LENGTH

A Level Mathematics is full-time for two academic years.

## HOW WILL I BE ASSESSED?

Through a combination of exams.

## WHAT CAN I PROGRESS TO?

You may progress to study at a Russell group university for a degree in a related subject.

## UNIVERSITY COURSES

Accountancy

Computer Science

Economics

Engineering

Mathematics

Statistics

## CAREER ASPIRATIONS

Astronomer

Investment Analyst

Accountant

Research Scientist

Data Analyst

Statistician

Financial Analyst

Teacher



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