

COMPUTER SCIENCE



WHAT WILL I STUDY?

Explore the fundamentals of programming, design, problem solving, and how the use of data structures and computer systems impact society.

Analyse the internal architecture of a computer, hardware, software, data representation and encryption techniques.

A LEVEL COMPUTER SCIENCE

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:

Guest speakers and masterclasses led by industry experts give students an insight into the computer science industry after college.

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 Computer Science is full-time for two academic years.

HOW WILL I BE ASSESSED?

Through a combination of written exams and practical assessments.

WHAT CAN I PROGRESS TO?

On successful completion we will support you in applying to prestigious universities nationwide to study. If you wish to secure employment, we will support you in your job searches and applications.

UNIVERSITY COURSES

Computer Science
Information Systems
Software Engineering
Artificial Intelligence
Health Informatics

CAREER ASPIRATIONS

Data Analyst
Cyber Security
Games Developer
Software Engineer
Web Developer



A LEVEL EXTENDED CHOICES COMPUTING & TECHNOLOGY

If you choose to attend Parsons Walk, Wigan you may study a mixed programme of A Levels and a BTEC Level 3 qualification to help you fulfil your career ambitions. This provides an alternative route to university and degree apprenticeships and may be suitable for those who prefer a combination of coursework and examinations.

A LEVELS
(choose two from the following)

Business
Chemistry
Mathematics
Physics

BTEC LEVEL 3 EXTENDED CERTIFICATE
(equivalent to one A Level)

BTEC Level 3 Extended Certificate in Computing
Learn how a computer works and organises data, including introduction to programming constructs in different languages and object oriented and procedural programming. Explore data security and encryption techniques.

ENTRY REQUIREMENTS

A minimum of 5 GCSE subjects graded 9-5 including English and Maths.
If you wish to study A Level Mathematics or Science you will need a grade 6 at GCSE.

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