

IT and Computing

Why study this course at Riverside College?

IT and Computing is an exciting and ever evolving subject, with a job market that is expected to grow exponentially over the next 10 years, and with Liverpool City Region having the second fastest growing Digital and Creative sector in the UK, it is an exciting time to get involved in the subject.

Not only do jobs in IT offer great job satisfaction, the demand for these skills means that good starting salaries are paid especially if you specialise in an area such as programming. At Riverside College we are recognised as a CISCO, Adobe and Microsoft Academy and boast industry qualified staff who have worked in a wide variety of areas and also have their own areas of specialisation.

Our students also enhance their studies by taking part in different trips including: EGX – UK's largest computer game convention, National Media Museum and Bletchley Park – the home of the codebreakers. We also organise international trips with our most recent one being to Disneyland Paris for Computing Live!

Are there any extra costs for this course?

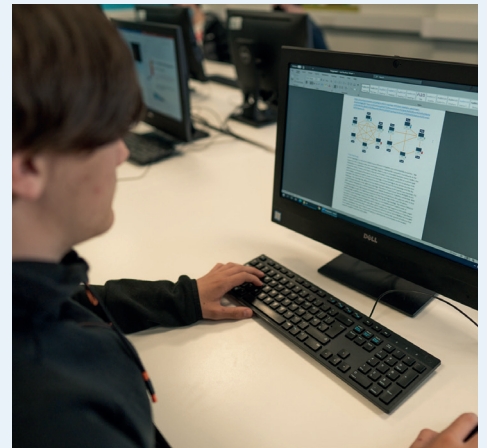
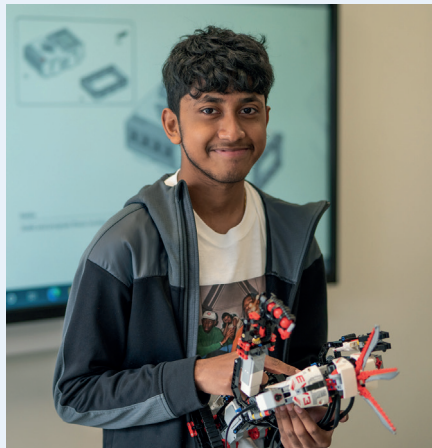
Standard course materials such as, pen, pencil, and paper will be needed. All students will have their own OneDrive cloud storage that will allow them to access work outside of the classroom. We use the most current software used in industry, but we ensure students will have access this for free when working from home. You will be required to pay for trips and visits.

Enrichment opportunities

There are a variety of Enrichment activities that you can get involved in ran by the team including; competing in local and national competitions such as the Bebras Computing Challenge, Cyber Discovery and Cyber Centurion and also other academic enrichment activities including access to Cisco IT Essentials, Cisco CCNA and Adobe Certified Associate exams. We also run enrichment activities including Virtual Reality Club and Missing Map Mapathons.

How will I be assessed?

The course assessed through coursework (internal and external depending on level and unit) including written reports, presentations, working in groups and creating products.



Computing and IT are exciting, dynamic and fast moving subjects and our courses are designed to equip you to work in a growing industry with many varied employment opportunities.

Unique Experience

- Gain industry qualifications as well as your main course:
 - > Adobe accredited centre
 - > Microsoft Academy
 - > CISCO IT Essentials CCNA
- Trips such as:
 - > Berlin
 - > Germany
 - > National Video Game Arcade
 - > Bletchley Park

Business, IT and Employability Level 1 Diploma – 1 Year

Entry Requirements

4 GCSEs at grade 9 – 2 including English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Organisation skills
- Local employer research
- Contributing to running an event
- Developing a personal progression plan
- Recording income and expenditure

What will this course lead on to?

On completion of this course you can progress to the Level 2 BTEC Extended Certificate in Business, Level 2 Technical Certificate or enter employment within an office environment in a wide variety of organisations. You may also choose an apprenticeship in Business, Administration, or IT.

Information and Creative Technology Level 2 BTEC Extended Certificate – 1 Year

Entry Requirements

4 GCSEs at grade 9 – 3 including English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Set up and maintain computer systems
- Carry out day-to-day tasks for safely installing hardware
- Editing and creating digital graphics using Photoshop and Illustrator
- Developing your own website
- Creating systems using Excel and Access
- Develop your wider knowledge of the industry and emerging technologies when studying The Online World and Technology Systems (includes 2 externally assessed online units)
- Complete hardware and software upgrades
- Networks, programming, cloud and cyber security

What will this course lead on to?

Successful completion of this course could lead to the Level 3 Extended Diploma in IT or Multimedia Computing. You will also be prepared to apply for a range of different apprenticeships including Infrastructure Technician and Digital Marketer.

The qualification prepares you for employment in the IT industry, with opportunities such as:

- User Support Technician
- Website Designer
- Office Systems Developer

IT Multimedia Computing and Security Level 3 Extended Diploma – 2 Years

Entry Requirements

4 GCSEs at grade 9 – 3 including English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Game development
- Web development
- Software development
- Cyber security
- Technical support
- Project management
- Virtual Reality
- Create interactive websites using the latest web technologies and be introduced to programming languages including Python and C#
- Combine your programming and creative skills to develop a game using game engines used in industry
- Maintain and upgrade computer systems
- Designing a secure computer network and understanding different cyber security threats

What will this course lead on to?

Successful completion of this course could lead to university or our HND Computing and BSc Computer Science top-up degree. This qualification is also highly valued by employers with many of our students opting to progress onto apprenticeships with local and national employers, recently including BT and KPMG.



Riverside College

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