

Level 3 **Cyber Security and Computing**

**2 years,
full time**

Designed for
**Students aged
16-18**

**Practical,
project based
and supportive**

**Specialist
computing
facilities &
industry
standard
software**

**Academic and
pastoral support
to help students
succeed**



Level 3 Cyber Security & Computing

An academic and practical pathway into the digital, computing and cyber security sector

At Runshaw, our Level 3 Cyber Security and Computing course gives learners a strong foundation in all aspects of this exciting and vital sector. Whether you aim to progress to university, move into employment, or continue training through an apprenticeship, this course provides the knowledge and skills you need, while also allowing you to specialise in areas that match your interests and career goals. Throughout your studies, you'll explore a variety of units carefully chosen to reflect current industry trends and demands. Our highly experienced and dedicated teachers are committed to making your time at Runshaw both enjoyable and rewarding. Success in this course requires effective communication skills, creativity, and dedication, but above all, a passion for the subject.

The course comprises 3 strands: **computing, application development and cyber security and networking**, giving you the skills and knowledge needed for modern digital careers within local, regional and national priority sectors.

You will study a blend of units from:

OCR AAQ in Application Development

- Fundamentals of Application Development
- Designing and Communicating UX/UI Solutions
- Website Development
- Developing Application Software
- Game Development

OCR AAQ in Cyber Security

- Fundamentals of Cyber Security
- Preventing Cyber Attacks
- Fundamentals of Networks
- Digital Forensic Investigation
- Penetration Testing and Incident Response

Pearson AAQ in Computing

- Programming Fundamentals
- Computer Network Security and Encryption
- Human-Computer Interaction
- Practical Programming

Learning is hands on and applied, bring theory to real world scenarios to prepare you for progression to university, apprenticeships or employment in the digital sector.

You will complete a work placement within a related employer setting, to apply to be part of the MOD Cyber Bursary Programme, engage in employer visits, guest speaking sessions and dedicated career/ employability-based activities.

How will I be assessed?

Over this 2-year programme, you will complete a range of assessments that are designed to reflect how computing, application development and cyber skills are used in the real world.

You will be assessed through a combination of:

- Coursework projects
- Externally set and assessed exams (3 per year)
- Practical assignments

Entry Requirements:

To join this course, students are normally expected to have:

- At least five GCSEs at grade 4 or above, including Maths and/or English
- A strong interest in computing, digital technology or cyber security

Progression options

This qualification is recognised for progression to a wide range of next steps, including:

Higher education

- Computing, Cyber Security or Computer Science degrees
- Digital and technology related foundation degrees

Apprenticeships

- Software development
- Cyber security
- IT support and networking

Employment

- A variety of roles within the digital and technology sector

The course also provides excellent preparation for more specialist digital routes, including T Levels and higher level technical qualifications.

For more information about our courses, visit runshaw.ac.uk
call **01772 643000** or email info@runshaw.ac.uk