BTEC National Foundation Diploma in Computing (Digital Technologies) Level 3

In a nutshell

Learners will develop a common core of computing knowledge and study areas such as managing support systems, system analysis, and design & digital graphics to develop additional specialist computing knowledge. The course aims to provide learners with the opportunity to develop their knowledge and skills in computer science, enabling learners to progress to further study in the computing sector.

This course is for you if...

... You want a combination of academic teaching and practical training

... You enjoy working as part of a team

... You are enthusiastic about technology

What will I be doing?

You will learn through practical experiences by taking part in projects set by employers and of course, quality work experience opportunities.

Complete a CyberHub Trust digital technologies project with an industry partner.

The projects offer:

Exciting, innovative and active learning, relating directly to real work
High quality teaching from qualified staff in core academic areas (including English and Maths)

Prestigious coaching and industry expertise
Industry-standard facilities and resources to aid your learning
Personalised learning to suit your individual skills and interests
Excellent links with employers
A clear line of sight to the world of work and your future career
Help to develop essential employability skills
High quality career education and advice
The expectation that on completion of your course, you will progress into either employment, an apprenticeship or further/higher education
Opportunities to meet and connect with other young people around the country through the CyberHub Trust
Expert support, advice and mentoring to expand your horizons and encourage aspiration

You'll acquire a combination of computing knowledge and practical skills to meet the ever-changing technological demands of industry.

The course takes a unit-by-unit approach and you'll be assessed through assignments, tasks and written exams. Qualifications you'll achieve are:

Level 3 Foundation Diploma in Computing
Wider Employability Skills
Level 3 Essential Skills AON and Communications

The BTEC Computing modules include:

Year 1

Principles of Computer Science (exam)
Fundamentals of Computer Systems (exam)
IT Systems Security & Encryption
Business Applications of Social Media

Computer Games Development
Website Development

Year 2

Planning & Management of Computer Projects (exam)
Software Design & Development Project (exam)
Impact of Computing
Digital Graphics & Animation
Relational Database Development
Computer Networking
System Analysis & Design

What is expected of me?

To enter, you'll need a minimum of 5 GCSEs grade C or above to include Maths/Numeracy and English/Welsh First Language, or an appropriate Level 2 Diploma qualification with a Merit grade and GCSE Maths/Numeracy and English/Welsh First Language at grade C or above.

You'll need to be committed to your studies and progression to an apprenticeship or employment in the sector. You'll need to be prepared to study and work in a learning environment which mirrors work rather than the classroom including extended hours, business dress and behaviours.

What comes next?

Work in related fields such as:

Network engineering
Programmer
Website design and development
ICT systems support
Advanced apprenticeships in Computing
University level study in computing subjects

Additional information

There are opportunities to gain work experience, take part in problem-based learning and the

opportunity to partake in the Erasmus scheme.