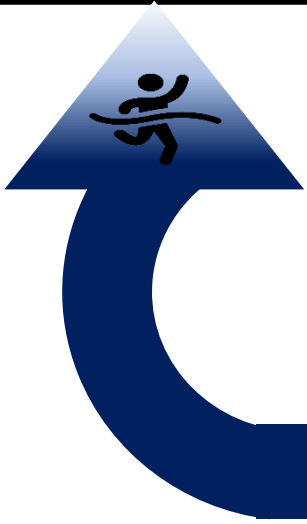A range of university courses, careers and apprenticeships related to Computing such as opportunities within programming, cyber security, technicianship, website development etc.

BTEC National Extended Certificate in Computing: Learning Journey

COMPUTER SCIENCE

Examination
This unit is examined through a 2hr written examination

May

Unit 15 Assignment 2
Design and develop a website. Create, evaluate and justify designs for the web site. Develop the web site and test it for functionality, compatibility

Unit 15 Website Development

Principles of Computer Science (Unit 1)
Draw on their understanding of computational-thinking skills to effectively analyse computing problems

Unit 1 Principles of Computer Science

Unit 15 Assignment 1
Compare and consider how the principles of website design have been used to create sites which are creative and perform well. How suitable the sites are for their intended audience and purpose

Unit 15 Website Development

Year 13

Autumn Term

Microsoft **Visual Basic 6.0**

Unit 2 Fundamentals of Computer Systems

Examination (Unit 2)
This unit is examined through a 1hr 45 minute written examination

Summer

May ½ Term

CYBER SECURITY

Unit 7 Assignment 2
Examine the techniques used to protect an IT system from security threats D Implement strategies to protect an IT system from security threats.

Unit 7 Systems Security & Encryption

python

Feb ½ Term

Fundamentals of Computer Systems (Unit 2)
How computer systems work, including the role of hardware and software, the way components of a system work together and how data in a system is used. This unit is examined in June

Unit 2 Fundamentals of Computer Systems

Unit 7 IT Systems Security & Encryption

Unit 7 Assignment 1
Understand current IT security threats, information security and the legal requirements affecting the security of IT systems B Investigate cryptographic techniques and processes used to protect data

Year 12

Course Introduction
Unit Outlines, Programme Delivery and Deadlines.
Location of resources and Microsoft Teams