

BTEC INFORMATION TECHNOLOGY



**Pearson Level 3 Alternative
Academic Qualification BTEC
National in Information
Technology (Extended
Certificate)**

Achieving Excellence Together

Pearson Level 3 Alternative Academic Qualification -BTEC National in Information Technology

Entry Requirements: Grade 4 in English and Computing at GCSE Level /BTEC Tech Award in I.T. Merit, if studied.

Course Description

This qualification is equivalent to 1 A Level. The course is a two year course with the following units being covered:

This programme will allow Learners to study the fundamental knowledge of Information Technology covering the role and implications of using Information Technology systems and cyber-security threats and how to manage attacks. Students will also develop important skills for creating websites to meet a specific purpose and to manage data through the development of a relational database solution. There are two examined units and two internally assessed units where students will engage in practical tasks to develop their Information Technology skills and knowledge. The qualification is designed to be taken alongside A Levels as part of a study programme and can link to learning in A Level Mathematics and A Level Business Studies. It is intended for students that wish to progress into higher education as a pathway to employment

Who is this qualification for?

This course is suitable for students looking to develop their applied knowledge and skills in Information Technology as part of a study programme alongside A Levels.

Course Description

The qualification has four mandatory units covering the following topics:

Information Technology Systems
- Information technology systems, including the relationship between software and hardware, and the issues related to IT systems

Cyber Security and Incident Management - Types of cyber security attacks, the vulnerabilities in networked systems and how to plan and respond to attacks

Website Development - The development tools, techniques and processes used in website development and how to test usability, functionality and fitness for purpose.

Relational Database Development
- Structure of data, data design and database management systems (DBMS)

Method(s) of Assessment

66.6% of the total qualification GLH is made up of external assessment. A summary is given below. See the unit content and sample assessment materials for more information.

Progression

Unit 1: Information Technology Systems .An external examination set and marked by Pearson.

Unit 2: Cyber Security and Incident Management. An external examination unit , set and manage by Pearson.

Unit 3: Website Development . Assessed by coursework portfolio of written and digital task

Unit 4: Relational Database Development . Assessed by coursework of written and practical task

Students will develop the Knowledge of digital technologies and how organisations plan digital projects and follow a project lifecycle

It will provide learners with the understanding of organisation structures and processes and how to embed digital safety to keep data and assets secure.

Students who successfully complete the qualification will be prepared to move onto degrees in related subjects such as BA Business Studies, BSc Information Systems and BSc Computer Science.

email: m.aruna@barnwell.herts.sch.uk