

Course Level

BTEC Level 3 (AAQ)

Awarding Body

Edexcel

Entry Requirements

Total Point Score 34

Assessment

Assessment is criterion referenced, based on the achievement of specified learning outcomes. Each unit has specified criteria which are to be used for grading. A summative unit grade can be awarded at pass, merit, distinction, or distinction star. The Extended Certificate is equivalent to one A Level.

IT COMPUTING (BTEC Extended Certificate)

The course is designed to give students the technical knowledge, skills and understanding they need to use computer systems competently and to equip students with some of the skills they will need in the workplace or in further education or training. It will promote teaching and learning through work-related contexts, provide a range of teaching, learning and assessment styles to motivate learners to achieve their full potential. The course consists of three mandatory units, plus students can select one additional optional unit to be completed over two years.

The mandatory units are:

Unit 1: Information Technology Systems

Unit 2: Cyber Security and Incident Management

Unit 3: Website Development

Unit 6: Relational database development.

Special Requirements

Appropriate work experience while not a requirement of the course, would be useful as it enables the learning to be as active, practical and work-related as possible.

Unit 1 - 120 Credits

Externally assessed unit

2-hour written exam

This unit looks into different information technology systems, some of the units that learners study are:

- Hardware and software
- Networking
- Network security

Unit 3 - 60 Credits

Internally assessed unit

Coursework

In this unit learners will look at website design principles

- Students will then take these design principles and create a website that is based around a scenario.
- Students will create the website using HTML, CSS and JavaScript

Unit 2 - 120 Credits

Externally assessed unit

2-hour written exam

This unit looks into different information technology systems, some of the units that learners study are:

- Network security
- Security protocols
- Preventing attacks

Unit 4 - 60 credits

Internally assessed unit

Coursework

In this unit learners will look at database design and how to create a relational database.

- Students will learn how databases exchange information and they will set up a RDBS.
- Students will create input forms, produce reports and run queries and their database.

Career and Progression Opportunities

The BTEC has been developed in the Information Technology industry and is appropriate for career qualifications in this very wide employment area. It gives students the opportunity to gain a nationally recognised vocational specific qualification to enter employment in the Information Technology industry or to progress to higher education vocational qualifications such as the Edexcel Levels 4 - 7 BTEC Higher National in Information Technology or Computing.

Link to specification: <https://qualifications.pearson.com/en/qualifications/btec-nationals/information-technology-aag.html>