



# BTEC National in Information Technology

## About the course:

The Single Award course for Information Technology consists of four units and is equivalent to an A-Level at the end of Year 13.

## Subject requirements

Minimum of GCSE 4 in English and Maths + Pass in ICT or grade 4 in Computer Studies (if studied at GCSE)

## Course Content

### Year 12 (Certificate on successful completion)

During Year 12, students will study two units:

#### Unit 1: Information Technology Systems

This unit covers a broad range of theoretical topics, including how computers operate and how data is securely transmitted across networks.

#### Unit 3: Website Development

Students will explore design principles and gain practical skills in creating web pages using HTML

### Year 13 (Extended Certificate - on successful completion)

In Year 13, students will undertake the following units:

#### Unit 2: Cyber Security and Incident Management

This unit examines how organizations protect their systems from online threats and manage security incidents effectively.

#### Unit 4: Relational Database Development

Students will learn to normalise data and develop database systems using Microsoft Access, enabling efficient data management.

## Assessment Criteria

Assessment involves a combination of teacher-marked coursework assignments, tasks set by the exam board, and written examinations.

## Exam Board: Pearson

Qualification: BTEC National Level 3 AAQ in Information Technology (Extended Certificate)

## What further learning will this qualification lead to?

This qualification can lead to progression to the following degrees:

- BA Business Studies
- BSc Information Systems
- BSc Computer Science

This course can lead to careers in:

- Business
- Game Design
- Website Development
- IT Consultancy
- Marketing
- Database Management



## Transferable skills

The framework encompasses four key skill areas, each comprising specific competencies:

- Self-Management: Personal responsibility, resilience and strengths, career planning, and goal setting.
- Effective Learning: Self-directed learning, continuous development, secondary research, and primary research skills.
- Interpersonal Skills: Written, verbal, and non-verbal communication, teamwork, and cultural and social intelligence.
- Problem Solving: Critical thinking, problem resolution, and fostering creativity and innovation.
- Digital Skills: Digital skills are essential across industries and everyday life, covering problem solving, collaboration, digital transactions, security, and data management, ensuring learners develop relevant competencies aligned with technological advancements.
- Sustainability Skills: This qualification promotes sustainability skills and mindset through content aligned with the UNESCO Sustainable Development Goals tailored to the sector. Sustainability knowledge may be integrated into teaching and assessments as appropriate, depending on its relevance to each unit's purpose.