# BTEC Level 3 Information Technology Curriculum

| Course Title | Year 1 Route (Year 12) | Year 2 Route (Year 13) |
|---|---|---|
| **BTEC Level 3 Certificate** | Pathway 1 | n/a |
| **BTEC Level 3 Extended Certificate** | Pathway 1 | Pathway 2 |
| **BTEC Level 3 Foundation Diploma** | Pathway 1+2 | Pathway 3 |
| **BTEC Level 3 Diploma** | Pathway 1+2 | Pathway 3+4 |

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| External Exam units | |
| Internal Coursework units | |

|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|---|---|---|---|---|---|---|
| **Pathway 1** | Unit 2: Information Systems | Unit 2: Information Systems | Unit 2 / Unit 3 | Unit 3: Social Media in Business | Unit 3: Social Media in Business | Unit 3: Social Media in Business |
| **Pathway 2** | Unit 1: Information Technology Systems | Unit 1: Information Technology Systems | Unit 1 / Unit 5 | Unit 5: Data Modelling | Unit 5: Data Modelling | Unit 5: Data Modelling |
| **Pathway 3** | Unit 6: Website development | Unit 6: Website development | Unit 4: Programming | Unit 4: Programming | Unit 4: Programming | COURSE COMPLETION |
| **Pathway 4** | Unit 11: Cyber Security and Incident management | Unit 11: Cyber Security and Incident management | Unit 11 / Unit 9 | Unit 9: Project Management | Unit 9: Project Management | |

| Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 | Unit 6 | Unit 9 | Unit 11 |
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| **External Exam January** | **External Exam January** | **A:** Explore the impact of social media on the ways in which businesses promote their products and services | **A:** Examine the computational thinking skills and principles of computer programming. | **A:** Investigate data modelling and how it can be used in the decision-making process | **A:** Understand the principles of website development | **A:** Investigate the principles and methodologies of IT project management | **External Exam January** |
| **A**: Digital devices in IT systems. | **A:** The purpose and structure of relational database management systems | **B:** Develop a plan to use social media in a business to meet requirements | **B:** Design a software solution to meet client requirements | **B:** Design a data model to meet client requirements | **B:** Design a website to meet client requirements | **B:** Carry out a project initiation for an IT project | **A:** Cyber security threats, system vulnerabilities and security protection methods |
| **B**: Transmitting data | **B:** Standard methods and techniques to design relational database solutions | **C:** Implement the use of social media in a business. | **C:** Develop a software solution to meet client requirements | **C:** Develop a data model to meet client requirements | **C:** Develop a website to meet client requirements | **C:** Carry out the planning, execution, monitoring and controlling of an IT project. | **B:** Use of networking architectures and principles for security |
| **C**: Operating online | **C:** Creating a relation database structure | | | | | | **C:** Cyber security protection plan |
| **D**: Protecting data and information. | **D:** Evaluating a database development project | | | | | **D:** Undertake the closure of a project by reflecting on the success of personal performance and the project outcome. | **D:** Cyber security documentation |
| **E**: Impact of IT systems | | | | | | | **E:** Forensic procedures |
| **F**: Issues | | | | | | | |