

Information Technology (BTEC National Extended Certificate Level 3 - Double Award - Edexcel)

Programme of Study:

Year 1

- Using Social Media in Business
Exploring the changing world of social media and how it can be used to promote businesses.
- Creating systems to manage information (Databases)
Databases are the lifeblood of many organisations and their development and use is a vital skill in the modern world
- Programming unit - Learners study the underpinning concepts and implications of programming languages to design, develop and test computer programs.
- Cloud storage unit - Learners explore the uses of cloud technologies for storing and distributing data, and apply cloud technologies that aid collaboration to meet a client's needs.
- Enterprise in IT - Learners develop the skills and attributes needed for developing an IT product or service and use lean methods or a traditional business plan for starting up an enterprise.

Year 2

- Information Technology Systems
In Depth focus on hardware and software that are used in business
- Website design where students will create a website for their client incorporating client side scripting languages. Students will develop an understanding of the different aspects of website design.
- IT project management - Learners investigate a range of project management principles and methodologies and undertake the management of a 'live' or 'simulated' IT project from start to finish.
- Cyber security - Learners study cyber security threats and vulnerabilities, the methods used to protect systems against threats and how to plan for and manage security incidents.

Assessment

Unit 1: Information Technology Systems - External Examination
Unit 2: Creating systems to manage information - External Examination
Unit 3: Using Social Media in Business - Practical Internal Assessment
Unit 4: Programming - Practical Internal Assessment
Unit 6: Website Development - Practical Internal Assessment
Unit 9: IT Project Management - Practical Internal Assessment
Unit 11: Cyber security and incident management - External Examination
Unit 16: Cloud storage and collaboration tools - Practical Internal Assessment
Unit 20: Enterprise in IT - Practical Internal Assessment

Entry Requirements

Students must achieve a minimum of a grade 4 in English Language and Maths as well as a total grade point of 32 from their 8 best GCSE's

Recommended Reading and Subject Enrichment

BTEC Nationals Information Technology Student Book ISBN-13: 9781292140414

Revision Guide: Revise BTEC National Information Technology Units 1 and 2 Revision Workbook ISBN-13: 9781292230597

Revise BTEC National Information Technology Units 1 and 2 Revision Guide ISBN-13: 9781292230504

Higher Education and Career Pathways

This level 3 BTEC will get you started in IT and give you the skills and knowledge to progress to higher education. You could progress onto an apprenticeship, University or employment in the IT field.

Complimentary Subjects

Business, Media and English.