

BTEC National AAQ in Information Technology



What is an AAQ?

- ▶ A brand new qualification with a similar assessment process to BTEC Tech Awards with built-in re-sit opportunities.
- ▶ Designed to study the most up-to-date IT topics.
- ▶ Allows you to develop both specific and transferable IT skills.
- ▶ Assessments are set in real-world scenarios to best represent how IT is used in the world of work.
- ▶ Learn more about 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 need.



Why you should study IT?

- ▶ Almost every job requires you to use a computer, and this course will give you valuable workplace skills.
- ▶ Cyber-security is a massive growth area so it will support future careers in this area.
- ▶ The problem solving and thinking skills that you learn will support your other subjects and your future self!
- ▶ It is a good mix of practical and theory.
- ▶ A modular course with internal assessments allows you to achieve throughout the course.
- ▶ Offers you access to a range of degrees and Apprenticeships.





Did you know...?



4 out of 5
of BTEC students go on to receive a 1st or 2nd class degree***



1 in 4
students
who got into a UK University in 2015 did so with a BTEC**



Level 3 BTECs
can boost your lifetime earnings by **£92,000***

More than



of 20-30 year olds in Higher Education have studied a BTEC



90%
of BTEC students are employed full time after graduating***

Over **1 million** students in the UK choose BTEC each year. Will you?

Find out more and choose your BTEC at IchooseBTEC.com

Assessment



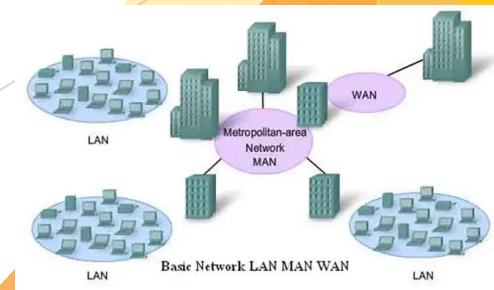
Mandatory units, learners complete all units

1	Information Technology Systems	120 GLH	External
2	Cyber Security and Incident	120 GLH	External
3	Website Development	60 GLH	Internal
4	Relational Database Development	60 GLH	Internal

External Assessment	66%
Mandatory content	100%
External Assessment Administration	2 x Exams: 1 x 2hrs, 1 x 2hrs 15mins
Internal Assessments	2 units
Internal Assessment Length	Unit 3: 15hrs Unit 4: 15hrs Learners will be assessed for 30hrs (learners complete two internal assessments)
Total assessments taken	4 units

Unit 1 IT Systems

- ▶ This unit covers key theory including:
- ▶ **Digital Devices** - what they are, how to choose them, how to implement new systems.
- ▶ **Networking** - different types of network, the hardware used, how to select the right network for your needs.
- ▶ **Online Systems and Communities** - how to use Cloud services, how to develop an online community to support your business.



Unit 2 Cyber Security

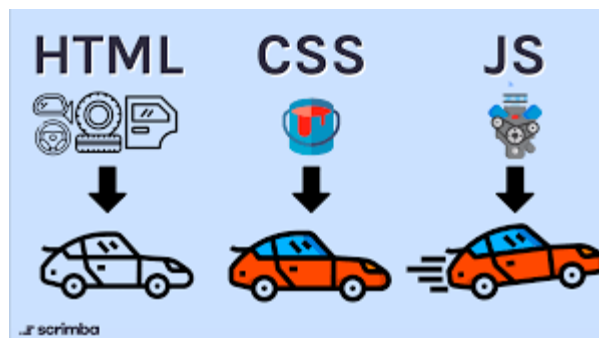
- ▶ Learn about:
- ▶ Threats to data - why is data attacked and how.
- ▶ Vulnerabilities - looking at where systems are vulnerable to attacks and how to resolve this.
- ▶ Networking - how computers are linked together and how the hardware can be configured to improve security.
- ▶ Cyber-security - what can be done to improve security, how to respond in an attack.
- ▶ System Forensics - how to examine a system to review the results of an attack.



Unit 3 Website Development



- ▶ In this unit you will learn:
- ▶ Explore the principles of website development.
- ▶ How to create a website using HTML, Javascript, and CSS.
- ▶ How to design a website to meet a client brief.



Unit 4 Relational Database Development

- ▶ In this unit you will learn:
- ▶ What a database is and how they are used.
- ▶ The key principles of database models and normalisation.
- ▶ How to design a database model.
- ▶ How to create a relational database with data input forms, queries, and reports.



Where Can IT take you?

- ▶ Past IT students have gone on to:
- ▶ University degrees in: Computer Science, Networking, Cyber Security, Game Design, and non-IT related courses.
- ▶ Apprenticeships in : IT, Networking, Marketing, and other non-IT related courses.



Any Questions?

- ▶ Please don't be afraid to ask!
- ▶ Course contact:
- ▶ Mrs A Jones (Head of Computing) ajones@stfrancis.cc

