



Cambridge Technical Extended Certificate in IT Level 3

Overview

Course:

Cambridge Technical Extended Certificate in IT

Awarding Body:

OCR

Length of Course:

2 years

Entry Requirements:

There are no formal entry requirements for this qualification; however a GCSE in IT would be advantageous. A good level of literacy and numeracy skills is expected.

Further information:

Please see any member of St Aidan's ICT & Computer Science Department

Course Content and Examination Requirements

This qualification will benefit students who want to continue their education through applied learning; by developing their knowledge and understanding of the principles of IT and global information systems.

Learners must achieve a total of five units consisting of three mandatory units and two optional units. Units 1, 2 and 3 are assessed by exam and marked externally. All the other units are internally assessed with external moderation. The units are graded Pass, Merit, Distinction and Distinction*

Unit 1 (Exam) Fundamentals of IT	Unit 2 (Exam) Global Information
<ul style="list-style-type: none"> Understand computer hardware Understand computer software Understand business IT systems Understand employability and communication skills used in an IT environment Understand ethical and operational issues and threats to computer systems 	<ul style="list-style-type: none"> Understand where information is held globally and how it is transmitted Understand the styles, classification and the management of global information Understand the use of global information and the benefits to individuals and organisations Understand the legal and regulatory framework governing the storage and use of global information Understand the process flow of information Understand the principles of information security
Unit 3 (Exam) Cyber Security	Unit 8 (Coursework) Project Management (<i>Optional</i>)
<ul style="list-style-type: none"> Understand what is meant by cyber security Understand the issues surrounding cyber security Understand measures used to protect against cyber security incidents Understand how to manage cyber security incidents 	<ul style="list-style-type: none"> Understand the project life cycle Be able to initiate and plan projects Be able to execute projects Be able to carry out project evaluations
Unit 9 (Coursework) Product Development (<i>Optional</i>)	Unit 17 (Coursework) Internet of Everything (<i>Optional</i>)
<ul style="list-style-type: none"> Understand the product development life cycle Be able to design products that meet identified client requirements Be able to implement and test products Be able to carry out acceptance testing with clients 	<ul style="list-style-type: none"> Understand what is meant by the Internet of Everything (IoE) Be able to repurpose technologies to extend the scope of the IoE Be able to present concept ideas for repurposed developments

Relevance to Further Studies and Careers

The OCR Level 3 Cambridge Technical Extended Certificate in IT is designed for learners 16 years old or over who want to continue their education through applied learning by developing their knowledge and understanding of the principles of IT and global information systems. Achievement of this qualification can support progression to go on and study relevant IT degrees in a Higher Education institution such as, Computing and IT, Computing Science, Software Developments, Software Engineering, ICT and Computer Networks or Business Information Systems. Additionally it will benefit those who want to progress into IT-related apprenticeships.