



# CTEC IT

**Qualification:** Level 3 Cambridge Technicals  
Extended Certificate in IT

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## About the course:

Cambridge Technicals prepares students for a world increasingly dominated by the use of IT systems. It is an ideal subject for students who want a broad education in IT as well as those looking to develop skills needed in a vocational or work context. The course inspires students to achieve the best they can and empowers them to take charge of their own learning and development.

## Topics studied in the syllabus include:

**Fundamentals in IT:** Information learnt in this unit will create a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how businesses use IT.

**Global Information:** The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the Internet, by individuals and organisations. This unit will provide you with a greater understanding of how organisations use information sources both internally and externally and the types of information you will encounter.

**Cyber Security:** Business and e-commerce can be undertaken twenty four hours a day, seven days a week and telecommunications enable us to keep in touch with family and friends and collaborate with colleagues at any time. Mobile devices offer us freedom and flexibility of where and how we learn and work. You will learn about the solutions that can be used to prevent or deal with cyber security incidents .

**Project Management:** The key to any project being a success is the planning and management that takes place. Project management skills are essential transferable skills that can be used for all projects whether it's traditional methodologies or more recently adopted agile approaches within the IT development environment. These skills can be adapted and used even on the smallest 'tasks' during the planning and implementation stages.



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**Product Development:** The purpose of this unit is to prepare you to undertake product development activities. You will learn about different product design methodologies and the role of the product development life cycle. In addition, you will discover the factors that influence product developments.

## Potential future pathways:

A good foundation in IT will enable you to follow one of a wide variety of career paths. Graduates and others with qualifications in IT and related areas have no difficulty in finding excellent employment opportunities. An IT qualification is a good basis for work in data processing, computing, software engineering, programming and many other industries.

The Cambridge Technicals qualifies for UCAS points so if you complete it successfully you can move on to study for a BTEC Higher National Diploma or a degree in related subjects such as ICT, Computer Science, Information Systems, Multimedia, Software Engineering, Computer Networking, e-Business and Information Management.