OCR Cambridge Technical IT

Assessment overview

Students must take two exams and three coursework units to complete the course.

Unit 1 Fundamentals of IT (Examined unit)

A sound understanding of IT technologies and practices is essential for IT professionals. 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. After completing this unit, the knowledge, skills and understanding your students have developed will underpin their study for the additional units. Knowledge gained in the study of this unit will also help prepare students for relevant industry qualifications such as CompTIA A+, CompTIA Mobility+ and Cisco IT Essentials

Unit 2 Global Information (Examined unit)

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. Your students will discover that good management of both data and information is essential and that it can give any organisation a competitive edge. This unit will provide students with a greater understanding of how organisations use information sources both internally and externally and the types of information they will encounter. The skills gained by completing this unit will give them knowledge of the functionality of information and how data is stored and processed by organisations. They will also learn about how individuals use information of various types. This unit will help students to understand the legislation and regulation governing information which flows in to and out of an organisation and the constraints and limitations that apply to it. They'll also learn the relationship between data and Information.

Unit 17 Internet of Everything (IOE) (Coursework unit)

This unit is about the use of the Internet and how it is impacting people and society. Students will learn about the Internet of Everything (IOE) and how it is used. Using their knowledge, they'll carry out a feasibility study for a potential idea. They will pitch their idea to potential stakeholders and use their feedback to revise their proposal. This unit is optional within all four pathways. Knowledge gained in the study of this unit will also help prepare students for relevant industry qualifications such as Cisco IoE.

Unit 6 Application Design (Coursework unit)

The world is increasingly reliant on applications that help individuals, businesses and organisations achieve specific activities or purposes. In this unit you will explore potential ideas for a new application (a product website that you will create on Wix) and develop the fundamental design for it. You will then develop the designs for an application and how users will interact with it. The application that you design can be for any sector and for any purpose. You will have the opportunity to present your ideas, prototype them, and gain feedback before refining your design. Besides the technical knowledge that you will gain about designing an application, you will also learn key transferable skills such as liaising with clients, questioning people effectively to gain the information you need to develop successful designs, and presenting your ideas to an audience and getting feedback from them. This unit is mandatory to the application developer specialist pathway in the Level 3 Diploma suite of qualifications as it supports the development of skills, knowledge and understanding appropriate to a wide range of job roles requiring the development of applications in mobile technology, business software, graphics, game and web design.

Unit 9 Product Development (Coursework unit)

The purpose of this unit is to prepare your students to undertake product development activities. They will learn about different product design methodologies and the role of the product development life cycle. In addition, they'll discover the factors that influence product developments. The key to any product development being a success is the analysis, client review, design, testing and final acceptance that takes place. The skills that students will learn can be applied to the development of any product, large or small. They will use product development skills and work through the product development life cycle. It is recommended that your students develop a product alongside the other units they are studying so that they can explore the units holistically as a wider project. This will align to their chosen pathway and support progression into their chosen field within the IT industry. Whether you are building a network, developing a website, developing a system for data analytics or creating an Augmented or Virtual Reality resource, they are all products. It is therefore important that your students understand the processes required for the development of products and that they can apply them to a variety of situations. Consequently, this unit is optional within all four specialist pathways.