CAMBRIDGE TECHNICALS IT LEVEL 3

Course Information

- Our Cambridge Technicals IT qualification inspires and challenges students throughout their study of units, with titles such as Global Information, Cyber Security, and Fundamentals of IT.

Level 3 Introductory Diploma in IT

Students will follow IT Infrastructure Technician pathway in this diploma. This pathway focuses on the design, implementation and management of an organisation's IT Infrastructure. Plus, the activities and roles that are carried out in the workplace, such as selecting hardware and software for clients, and learning how to build, upgrade or develop computer systems and networks that are safe and secure.

Fundamentals of IT - This unit will provide a sound understanding of IT technologies and practices 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.

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. You 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 you with a greater understanding of how organisations use information sources both internally and externally, and the types of information they will encounter.

Cyber Security - This unit has been designed to enable you to gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations. You will learn about the solutions that can be used to prevent or deal with cyber security incidents resulting from these challenges. You will be able to apply your knowledge and understanding of cyber security issues and solutions by reviewing and making recommendations for ways to best protect digital systems and information.

Computer Networks - The emphasis of this unit is to give you the practical ability to plan, implement and maintain computer networks. The approach adopted by this unit is 'bottom up' where you begin with a solid set of components, cables and connectors of a network and then progressively build a networking capability. The range of protocols has been deliberately limited to those which are used in the vast majority of computer networks; TCP/IP and Ethernet.

Internet of Everything (IOE) -This unit is about the use of the Internet and how it is impacting people and society. You will learn about the Internet of Everything (IOE) and how it is used. Using your knowledge you will carry out a feasibility study for a potential idea. You will pitch your idea to potential stakeholders and use their feedback to revise your proposal.

Entry Requirements

The Level 3 Introductory Diploma in IT course will require students, in most cases, to achieve 30 points from their top 6 subjects to study Level 3 courses. Where subjects have not moved to a numerical system, the following points will be awarded: A* = 8.5, A=7, B = 5.5, C=4.

Progression

This course gives students a wide choice of progression into higher education, further study, apprenticeship or relevant employment. Students who successfully complete this qualification will be well equipped to move onto degrees and BTEC Higher National Diplomas in related subjects such as ICT, Computer Science, Information Systems, Multimedia, Software Engineering, Computer Networking, cyber security, e-Business and Information Management.

Career Pathway

Jobs directly related to your degree include: Database Administrator, Information Systems Manager, IT consultant, IT technical support officer, Multimedia programmer, Network engineer, Systems analyst, Cyber Security and Systems developer.

Should you like to receive any additional information on this course, please contact Mr Sanjeeva Karunaratne – Head of Department.