

Cambridge TECHNICALS LEVEL 3

IT

DIPLOMA SUITE  
QUALIFICATION HANDBOOK

OCR Level 3 Cambridge Technical Introductory Diploma in IT (05840)  
OCR Level 3 Cambridge Technical Foundation Diploma in IT (05841)  
OCR Level 3 Cambridge Technical Diploma in IT (05842)  
OCR Level 3 Cambridge Technical Extended Diploma in IT (05877)

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[ocr.org.uk/computing](http://ocr.org.uk/computing)

# Cambridge Technical Introductory Diploma in IT IT Infrastructure Technician

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# Course Summary

- ❖ This qualification is designed for learners who are interested in an introduction to the study of creating IT and computing systems to manage and share information, alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in computing.
- ❖ 360 GLH - Equivalent in size to one A Level.
- ❖ **4 units** of which **3 are mandatory** and **1 extra unit**
  - ❖ Mandatory content (83%). External assessment (58%).

Unit no.	Unit title	Guided learning hours (GLH)	Unit ref. no. (URN)	How are they assessed?	IT Infrastructure Technician	Spe
1	Fundamentals of IT	90	M/507/4999	E	M	
2	Global information	90	R/507/5000	E	M	
3	Cyber security	60	Y/507/5001	E	O	
4	Computer networks	60	H/507/5003	I	M	
17	Internet of Everything	60	H/507/5020	I	O	

# Why choose this subject?

- ❖ Level 3 Introductory Diploma in IT places a high value on practical, industry-relevant learning, and aim to support students to acquire the skills needed for immediate employment in the IT field. Additionally, the qualification provides a solid foundation for higher education and career advancement, making it a well-rounded choice for those interested in IT careers.
- ❖ This qualification, combined with other qualifications, will provide learners with the skills, knowledge and understanding to progress into Higher Education (HE) on a **Computing program such as Information Systems, Cybersecurity, Database management, Networking, Web design, Artificial Intelligence (AI)**

# What are the entry requirements?

- ❖ A minimum of five GCSEs, at Grades A\* – C/4 – 9, including English Language and Math's, from a mixture of GCSEs and equivalents.
- ❖ You will be expected to manage your time well to meet deadlines.
- ❖ You will be expected to have an excellent attendance record.

# Course structure:

- ❖ Students will focus on practical and hands-on learning, allowing you to develop real-world skills that are directly applicable to the IT industry. This can be especially valuable if you prefer a more practical approach to education.

## Core Units:

- ❖ **Information Technology Systems:** This unit covers the fundamentals of IT systems, including hardware, software, and networking components. **[Exam]**
- **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. **[Exam]**
- ❖ **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.

## Extra Units:

- Cyber Security-Exam
- Internet of Everything

# How is the course assessed?

- ❖ Examined units are graded **Pass, Merit and Distinction.**
- ❖ Internally assessed units are graded **Pass, Merit and Distinction.**
- ❖ The qualification is graded **Pass, Merit, Distinction, Distinction\***

# Where might it lead?

The qualification supports entry to, for example:

- HND in Networking , Cyber security, software engineering
- BA (Hons) in Computing
- BSc (Hons) in Software development
- BSc (Hons) in Software Development for Animation

This qualification enables students to peruse an IT and computing related apprenticeship or follow a careers such as **IT Support Specialist, Web Developer, Network Technician, Database Administrator, Software Developer** and many more