

PC Technology - Level 3 Online Course

Key Information

Course Format:
Online Course

Price:
£225.00

Assessment:
Assignments

Payment Options:
Spread the cost over 4 monthly payments

Approximate Study Time:
100 Hours of Self Study

Initial Payment of
£90.00

Approximate Delivery Time:
1-2 Working Days via Email

Followed by 3 payments of:
£45.00



The **PC Technology - Level 3 Online Course** is designed for students who are interested in starting a career as a PC technician or who simply want to learn more about their PC hardware and Windows operating system. The course is also designed as a thorough introduction to the renowned and industry-recognised CompTIA (Computer Technology Industry Association) A+ syllabus, so that PC technology novices are suitably prepared for the highly-technical content of the A+ course itself.

The course teaches all you need to know about PC hardware components, diagnostics, maintenance, and troubleshooting, the support and maintenance of the latest Windows 10 operating system, networking fundamentals, the latest mobile devices, the Internet and web technologies, such as the HyperText Markup language (HTML) and Cascading Style Sheets (CSS), and how to protect your PC and network against malicious software attacks, viruses, and cyber-crime.

The course is in a modern multimedia online format, includes a wide range of high-quality close-up photographs of important hardware components, and is continuously updated as technology evolves, so it is always up-to-date with the latest hardware innovations and Windows operating system developments.

On successful completion of this popular course, you will receive a Level 3 Open Awards Quality Endorsed Unit Course Certificate with 8 Open Awards credits.

The PC Technology Course consists of the following modules:

- **Lesson 1 - Introduction to PC Hardware**

The following topics are covered: Introduction & Getting Started; A History Of Computer Technology; Computer Numbering Systems; Overview Of PC Hardware Components; Overview Of PC Operating Systems; Overview Of Peripheral Hardware Devices; Securing Your PC; Glossary Of Important Terms; Lesson Review & Quiz; and Assignment 1 – Review Questions & Exercises.

- **Lesson 2 – PC Hardware Components**

The following topics are covered: The System Unit & Power Supply; Important Motherboard Components; Input Devices; Storage Devices; Display Devices; Peripheral Devices; Laptops, Tablets, & Smartphones; Lesson Review & Quiz; and Assignment 2 – Identify PC Hardware Components.

- **Lesson 3 – Installing PC Hardware**

The following topics are covered: Installing Display Devices; Installing Input Devices; Installing Output Devices; Installing I/O Devices; Installing Expansion Cards; Installing CPUs & Power Supplies; Installing Storage Devices; Lesson Review & Quiz; and Assignment 3 – Installation Review Questions.

- **Lesson 4 – Hardware, Diagnostics & Troubleshooting**

The following topics are covered: Safety Information & Toolkit Essentials; Dealing With Boot Failure; Diagnosing Disk Drive Problems; Diagnosing Windows Problems; Useful Diagnostic Tools; Hardware & Software Conflicts; Preventative Maintenance; Lesson Review & Quiz; and Assignment 4 – Diagnostic Exercises.

- **Lesson 5 – Supporting Mobile Devices**

The following topics are covered: Introduction; Laptop Components; Laptop Maintenance Guidelines; External Laptop Hardware Devices; Other Mobile Devices; Mobile Accessories & Ports; Troubleshooting Mobile Devices; Lesson Review & Quiz; and Assignment 5 – Identify Laptop Components.

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- **Lesson 6 - Networking Technologies**

The following topics are covered: Introduction To Computer Networks; Network Types; Network Components; Introducing TCP/IP; Internet Connections; Ports & Protocols; Networking Tools; Security Issues; Lesson Review & Quiz; and Assignment 6 – Network Review Questions.

- **Lesson 7 – Understanding the Internet**

The following topics are covered: Introduction To The Internet; Security On The Internet; Connecting To The Internet; Search Engine Technologies; An Introduction To Email; An Introduction To HTML; Understanding Cascading Style Sheets; Lesson Review & Quiz; and Assignment 7 – Build A Simple Web Page.

- **Lesson 8 – The Windows Operating System**

The following topics are covered: Operating System Fundamentals; The Evolution Of Windows; Installing & Configuring Windows; Start Menu, Task Bar, & Desktop; Clipboard, Explorer & Launching Apps; Control Panel & Accessories; Setting Up Printers & Scanners; Lesson Review & Quiz; and Assignment 8 – Windows Review Questions.

- **Lesson 9 – Maintaining Windows**

The following topics are covered: Automatic Maintenance; Optimizing Microsoft Windows; Backup & Restore System Data; Disk Storage Maintenance; Installing Software Updates; Other Operating Systems; Lesson Review & Quiz; and Assignment 9 – Maintenance Review Questions.

- **Lesson 10 – System Security Issues**

The following topics are covered: Common Security Threats; System Security Best Practices; Firewalls & Other Security Devices; Mobile Security Controls; Windows 10 Built-in Security; Network & Wireless Security; Lesson Review & Quiz; and Assignment 10 – Security Review Questions.

Prerequisites:

There are no particular entry requirements although as this is an online course students should be comfortable working on computers.

Please Note: This course covers the use of PCs with the Windows Operating System so is not relevant for use on Apple Mac computers unless you have a Windows partition installed.

Course Duration & Support:

Students may register at any time for a fully-supported one-year training licence and will have constant access to a personal tutor via email. As the course is self-study, you can complete in as little or as long a time as you prefer within the one year licence period.

Assessment:

You will be assessed on the completed assignments contained in the training programme. Your work can be submitted to your course tutor by email or by post on completion of your training.

Certification:

On successful completion of this course students will receive the PC Technology Level 3 Open Awards Quality Endorsed Unit Course Certificate with 8 Open Awards Credits.



The course measurable learning outcomes have been benchmarked at Level 3 (using Ofqual's Qualification and Credit Framework (QCF) level descriptors) to allow you to consider the depth of study, difficulty, and level of achievement involved. You can find further information on qualifications/certificates and their levels on the Ofqual Qualification & Credit Framework level descriptors page.

The certification is issued through Open Awards. Open Awards are an Awarding Body Organisation approved by Ofqual. Set up in 1981, Open Awards (Previously the North West Region of the National Open College Network - OCNNW) have been in business for over 30 years and are a not for profit organisation and a registered charity.