



## NZQA 2783 - Personal Computer Systems - Generic Computing

Programme Title:	Generic Computing		
Module Title:	Demonstrate knowledge of the components of personal computer systems		
Content Provider:	Software Educational Resources Limited (SERL)		
	Version: 5	Level: 3	Credits: 3

### Overview

People credited with this unit standard are able to demonstrate knowledge of: the features of main hardware components of a personal computer system and interaction between the components; operating system software and applications software and their interaction; and the relationships between hardware, software, data, and information.

### Content Outline

#### Data and Information

- Data and the Computer
- Analogue versus Digital
- Bits and Bytes
- Binary Numbers
- The Processing Cycle
- Computer Types
- Types of Hardware

#### Input Devices

- Keyboard
- Mouse
- Scanner
- Microphone
- Cameras

#### Storage Devices

- Hard Drive
- Floppy Disks
- Compact Discs
- DVD
- Tape and Backup

#### Output Devices

- Monitor
- Video Card
- Sound
- Printers

#### Communication Devices

- The Modem
- Networking
- Networking Hardware
- Types of Networks

#### Processing Hardware

- System Unit
- Power Supply
- Motherboard
- Ports
- CPU
- Buses
- Memory – RAM
- RAM on the Motherboard
- Other Memory Types
- Fetch and Execute
- Computer Specifications

#### Software

- System Software
- Operating System Types
- Operating System Functions
- Operating System Examples
- Application Software
- Application Requirements and Interactions
- Data Translation Utilities
- Software Creation
- Interaction Summary

### Assessment / Certification / Qualification

What is Intuto offering?

1. Online test/assessment; theory based only, where % score and number of attempts is recorded.
2. NZQA paper based assessments; candidate and assessor copies – for site implementation, marking and submission to NZQA for moderation.

### Suggested Learning Hours

Estimated time for completion of 'NZQA 2783 - Personal Computer Systems' is thirty (30) hours.