



INFOCUS COURSEWARE

# ICTICT101 Operate a Personal Computer

Microsoft Windows 8.1



Product Code: INF1182

ISBN: 978-1-925298-45-1

## ❖ General Description

The skills and knowledge acquired in ICTICT101 Operate a Personal Computer are sufficient to be able to operate a personal computer (PC) in a home or small office environment, including accessing files with application programs, sending and retrieving emails, using the internet, using peripheral devices and applying basic security procedures and power management settings. It applies to individuals who require entry level information and communications technology (ICT) knowledge and literacy skills to perform a range of simple operation tasks.

## ❖ Learning Outcomes

At the completion of this course you should be able to:

- understand what a personal computer is and how it works
- work with the basic components of the **Windows 8.1** interface
- work with **Windows Store** apps
- personalise the new user interface
- use several features to optimise the **Windows** operating system
- use **Windows** to install, update and uninstall programs
- work with desktop programs
- understand the history of word processing and the types of documents that can be word-processed
- create, send and receive an email message in **Microsoft Outlook**
- access the internet
- work with **Windows**' security features
- understand data storage and navigate your computer's drives, folders and files
- manage your printer and printing tasks in **Windows**
- back up and restore data

## ❖ Prerequisites

ICTICT101 Operate a Personal Computer assumes little or no knowledge of computing.

## ❖ Topic Sheets

147 topics

## ❖ Methodology

The InFocus series of publications have been written with one topic per page. Topic sheets either contain relevant reference information, or detailed step-by-step instructions designed on a real-world case study scenario. Publications can be used for instructor-led training, self-paced learning, or a combination of the two.

## ❖ Formats Available

A4 Black and White, A5 Black and White (quantity order only), A5 Full Colour (quantity order only), Electronic Licence

## ❖ Companion Products

There are a number of complementary titles in the same series as this publication. Information about other relevant publications can be found on our website at [www.watsoniapublishing.com](http://www.watsoniapublishing.com).

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47 Greenaway Street  
Bulleen VIC 3105  
Australia  
ABN 64 060 335 748

Phone: (+61) 3 9851 4000  
Fax: (+61) 3 9851 4001  
[info@watsoniapublishing.com](mailto:info@watsoniapublishing.com)  
[www.watsoniapublishing.com](http://www.watsoniapublishing.com)

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## Contents

### Personal Computers

- What Is a Computer
- Hardware and Software
- Personal Computers
- Types of Personal Computers
- The Main Parts of a Personal Computer
- Input Devices
- Output Devices
- Device Connections
- Office Technology Communications

### Starting Off With Windows 8

- What Is Windows
- Turning on the Computer
- Signing in to Windows
- The Desktop
- The Start Screen
- The Apps View
- The Taskbar
- The App Switcher
- The App Bar
- The Charms Bar
- Displaying Key User Interface Elements
- Putting Your Computer to Sleep
- Shutting Down Your Computer

### Working With Windows Apps

- Displaying the Start Screen
- Starting Windows Apps From the Start Screen
- Starting Windows Apps From the Apps View
- Displaying the Desktop
- Switching Between Open Apps
- Arranging Apps Side by Side
- Closing Windows Store Apps
- Installing a Windows Store App
- Uninstalling a Windows Store App
- Using Gestures on Touch Screens

### Personalising the User Interface

- Adding Tiles to the Start Screen
- Moving Tiles on the Start Screen
- Changing the Size of the Tiles
- Working With Tile Groups
- Turning Live Tiles on and Off
- Removing Tiles From the Start Screen

- Pinning Apps to the Taskbar
- Creating Desktop Program Shortcut Icons
- Tidying Up the Desktop
- Changing the Lock Screen
- Changing the Start Screen Background
- Changing the Desktop Background
- Changing Your Account Picture

### Optimising Windows

- Viewing System Properties
- Checking Hardware Devices
- Performing a Disk Cleanup
- Understanding Power Options
- Choosing a Power Plan
- Creating a Custom Power Plan

### Working With Programs

- Viewing Installed Programs
- Dealing With Non Responding Programs
- Installing a Program
- What Happens During Installation
- Uninstalling a Program
- Keeping Programs Updated

### Using Desktop Programs

- Starting Desktop Programs
- The Anatomy of a Desktop Window
- Expanding and Minimising the Ribbon
- Using the Ribbon
- Accessing the Backstage View
- Minimising and Maximising a Window
- Resizing a Window Using a Mouse
- Moving a Window on the Desktop
- Switching Between Open Programs
- Snapping Two Desktop Programs Side by Side
- Scrolling in a Window
- Closing Desktop Programs
- Other Ways to Open Desktop Programs

### Word Processing

- Understanding Word Processing
- Creating Documents in Word
- Starting Microsoft Word

- Understanding the Start Screen
- Creating a New Blank Document
- Typing Text Into a Document
- Saving Your New Document
- Typing Numbers Into Your Document
- Inserting a Date Into Your Document
- Making Basic Changes to Your Document
- Checking the Spelling in Your Document
- Saving Changes to an Existing Document
- Printing Your Document
- Safely Closing Your Document

### Using Email

- Starting Outlook
- Common Outlook 2013 Screen Elements
- The Mail Screen
- Composing an Email Message
- Creating a New Message
- Sending the Message
- Understanding the Inbox
- Retrieving Email
- Opening an Outlook Data File
- Reading Messages
- Deleting Messages

### Accessing the Internet

- Before You Begin
- Creating an Internet Connection
- Starting Internet Explorer From the Desktop
- The Internet Explorer Screen
- Going to a Specific URL
- Understanding How to Search Effectively
- Using the Address Bar to Search
- Stopping and Refreshing Pages
- Closing Internet Explorer

### Security and Protection

- Understanding Computer Security
- Checking the Action Centre
- Checking Windows Firewall Settings
- Checking Malware Protection Settings
- Checking Windows Update Settings



47 Greenaway Street  
Bulleen VIC 3105  
Australia  
ABN 64 060 335 748

Phone: (+61) 3 9851 4000  
Fax: (+61) 3 9851 4001  
[info@watsoniapublishing.com](mailto:info@watsoniapublishing.com)  
[www.watsoniapublishing.com](http://www.watsoniapublishing.com)

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## Data Storage on Your Computer

- Understanding Data Storage in Windows
- Understanding File Explorer
- Opening File Explorer
- Viewing Storage Devices Using File Explorer
- Viewing Network Connections
- Understanding USB Flash Drives
- Understanding Folder Hierarchy
- Navigating the Folder Hierarchy
- Understanding Files
- Creating a Simple File
- Exploring Files in Windows
- Copying Files to a USB Flash Drive

## Printing

- Understanding Printing in Windows
- Viewing Available Printers
- Installing a USB Printer
- Setting the Default Printer
- Pausing a Printer
- Printing Files From File Explorer
- Printing From Windows Apps

## Backing Up and Restoring Data

- Understanding Backup and Restore Options
- Preparing Files for Backup
- Setting Up File History
- Performing a Manual Backup
- Restoring Files From a Backup



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## Unit Mapping

This unit describes the skills and knowledge required to operate a personal computer (PC) in a home or small office environment, including accessing files with application programs, sending and retrieving emails, using the internet, using peripheral devices and applying basic security procedures and power management settings.

	Performance Criteria	Location
<b>1</b>	<b>Prepare to use the personal computer</b>	
1.1	Identify physical components and associated peripheral devices of the personal computer to become familiar with the available network	Chapter 1: Personal Computers
1.2	Check physical connectivity of devices to ensure correct operation and performance	Chapter 1: Personal Computers
1.3	Boot up and follow procedures to activate the computer	Chapter 2: Starting Off With Windows 8
<b>2</b>	<b>Manage computer configurations</b>	
2.1	Alter the computer settings to best suit the user	Chapter 4: Personalising the User Interface
2.2	Configure power management settings to minimise power consumption as an environmentally sustainable measure	Chapter 5: Optimising Windows
2.3	Identify operating system and the application programs loaded on the computer to determine computer capability	Chapter 3: Working With Windows Apps, Chapter 5: Optimising Windows, Chapter 6: Working With Programs
2.4	Conduct basic software installation and removal to improve computer capability	Chapter 3: Working With Windows Apps, Chapter 6: Working With Programs
2.5	Navigate and manipulate desktop environment to create and customise desktop icons and access application programs	Chapter 3: Working With Windows Apps, Chapter 4: Personalising the User Interface, Chapter 7: Using Desktop Programs
<b>3</b>	<b>Access and use basic application programs</b>	
3.1	Open a folder with file documents containing basic office applications, make minor changes and save in a different folder	Chapter 7: Using Desktop Programs, Chapter 8: Word Processing
3.2	Send and retrieve a simple email message using the desktop icon to communicate with other parties	Chapter 9: Using Email
3.3	Access the internet using the web browser to view and conduct basic web information search	Chapter 10: Accessing the Internet
3.4	Use firewall and antivirus and malware scans to reduce security risks and threats in the system	Chapter 11: Security and Protection
<b>4</b>	<b>Access and use basic peripheral devices</b>	
4.1	Access external storage devices to retrieve, copy, move and save information in different media and locations	Chapter 12: Data Storage on Your Computer
4.2	Use printer settings on an installed printer to print a document	Chapter 13: Printing
4.3	Access audio-visual (AV) devices to view and play a multimedia file	Chapter 12: Data Storage on Your Computer
<b>5</b>	<b>Shut down computer</b>	
5.1	Back up important documents and programs to minimise risk of data loss	Chapter 14: Backing Up and Restoring Data
5.2	Save any work to be retained and close open application programs	Chapter 8: Word Processing
5.3	Shut down computer and switch off any unused peripheral devices	Chapter 2: Starting Off With Windows 8

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