

CompTIA Strata – IT Fundamentals

Days of Training: 3

Overview

In this course students will set up, configure, maintain, troubleshoot, and perform preventative maintenance of the hardware, software, and security components of a basic personal computer workstation, including implementation of basic green IT practices.

Prerequisites

Basic end-user experience with personal computers and personal computer software is highly desirable.

Next Steps

In order to obtain the Strata IT Fundamentals certificate, students must pass the “Strata IT Technology” exam code FC0-U41.

Lesson 1: Getting Started with Computers

Computer Basics
Components of a Personal Computer

Lesson 2: System Unit Components

System Board Components
Storage Devices

Lesson 3: Computer Peripherals

Input Devices
Display Devices
External Devices

Lesson 4: Portable Computing Devices and Media Players

Portable Computing Devices
Media Players

Lesson 5: Setting Up a Basic PC Workstation

Personal Computer Connection Methods
Connect Display Devices
Connect Input Devices
Connect External Devices
Start the Computer
Configure the Operating System

Lesson 6: Working with Files and Folders

Create a File
Navigate Folders with Windows Explorer
Manage Files and Folders
Compress and Extract Files

Lesson 7: Working with Software

Identify Installation Requirements
Install Software

Lesson 8: Network Technologies

Network Types
Ethernet Technologies
Wireless Networks

Lesson 9: Working with the Internet

Information Networks
Work with a Web Browser
Internet Protocols
Email Protocols
Internet Addresses

Lesson 10: Personal Computer Security Concepts

Social Engineering Attacks
Malicious Software
System Vulnerabilities
Personal Computer Security Measures

Lesson 11: Identifying Risks in Upgrading Systems

Identify Risks Associated with Upgrading Software
Identify Risks Associated with Upgrading Hardware

Lesson 12: Preventative Maintenance Techniques

Tools of the Trade
Prevent Electrical Hazards
Perform Preventative Maintenance

Lesson 13: Maintaining and Troubleshooting a Basic PC Workstation

Back Up and Restore Data
Operating System Utilities
Troubleshoot Common Hardware and Software Issues

Lesson 14: Green IT

Green Equipment
Green Policies and Procedures
Reuse and Dispose of Materials

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