

รายละเอียดหลักสูตรการฝึกอบรม CompTIA IT Fundamentals

หลักสูตร CompTIA IT Fundamentals

วันที่ 1

เวลา	รายละเอียดหลักสูตร
8.30 – 12.00 น.	1.0 Software 1.1 Compare and contrast common Operating Systems and their functions and features <ul style="list-style-type: none">• Types• Software compatibility for different OS types and versions• Awareness of hardware compatibility for OS support• Basic functions of an operating system 1.2 Identify common programs, applications and their purpose <ul style="list-style-type: none">• Types• Platforms• Common file types 1.3 Given a scenario, use software management best practices <ul style="list-style-type: none">• Install / uninstall• Patching / updates for OS, drivers, applications and security software• Software version identification and compatibility• Licensing
12.00 – 13.00 น.	พักกลางวัน
13.00 – 16.30 น.	1.4 Identify the following alternative technologies and their purpose <ul style="list-style-type: none">• Virtualization• Cloud Computing• Web applications• VoIP• Telepresence• Gesture-based interaction 1.5 Explain the basic software features and functions of wireless devices <ul style="list-style-type: none">• Unlocking/security• Bluetooth pairing• Wireless connection setup• Email configuration• Screen orientation• Synchronization configuration• Airplane mode• Stores for mobile applications

วันที่ 2

เวลา	รายละเอียดหลักสูตร
8.30 – 12.00 น.	<p>2.0 Hardware</p> <p>2.1 Identify basic wired and wireless peripherals and their purpose</p> <ul style="list-style-type: none"> • Output devices • Laser • Inkjet • Thermal • Flatscreen • CRT • Projector • Input devices • Mouse • Touchpad • Joystick • Stylus pen • Trackball • Input & Output devices • Flash drive • External hard drive • CD/DVD/Blu-Ray • Network Attached Storage • Memory card • Mobile media players • Smart phone
12.00 – 13.00 น.	พักกลางวัน
13.00 – 16.30 น.	<p>2.2 Compare and contrast common computer connector types</p> <ul style="list-style-type: none"> • Video • FireWire • eSATA • Thunderbolt • USB • PS/2 • Parallel • Serial • RJ-45 • RJ-11 • Audio • Power <p>2.3 Identify the purpose of internal computer components</p> <ul style="list-style-type: none"> • CPU • Power Supply • RAM • Storage • Expansion cards • Motherboard/mainboard • System cooling

วันที่ 3

เวลา	รายละเอียดหลักสูตร
8.30 – 12.00 น.	<p>3.0 Security</p> <p>3.1 Define basic security threats</p> <ul style="list-style-type: none"> • Malware • Phishing • Social engineering • Spam • Password cracking • Physical security <p>3.2 Given a scenario, use security best practices</p> <ul style="list-style-type: none"> • Password management • Device hardening • Disable Bluetooth • Disable NFC • Software firewall • Anti-malware • Open WiFi vs. secure WiFi • Multifactor authentication • Suspicious emails • Act on security software alerts • Admin vs. user vs. guest account
12.00 – 13.00 น.	พักกลางวัน
13.00 – 16.30 น.	<p>3.3 Given a scenario, use web-browsing best practices</p> <ul style="list-style-type: none"> • Recognize a secure connection/website • Recognize invalid certificate warnings • Recognize suspicious links • Recognize suspicious banner ads • Recognize adware symptoms • Limit the use of personal information (PII) • Update browsers and plugins • Disable unneeded/suspicious browser plugins, toolbars and extensions • Disable autofill forms/passwords • Clear browser cache/history/cookies • Recognize untrusted source warnings • Risks of using public workstations

วันที่ 4

เวลา	รายละเอียดหลักสูตร
8.30 – 12.00 น.	<p>4.0 Networking</p> <p>4.1 Given a scenario, set up and configure a basic SOHO router (wired / wireless)</p> <ul style="list-style-type: none"> • Verify wired connection, if applicable • Set WEP vs. WPA vs. WPA2 • Change SSID from default • Apply a new wireless password • Change admin password for router • Connect to the new network • Verify internet connectivity • Update firmware if necessary
12.00 – 13.00 น.	พักกลางวัน
13.00 – 16.30 น.	<p>4.2 Compare and contrast cellular, wireless and wired data connections</p> <ul style="list-style-type: none"> • High vs. low mobility • High vs. low availability • High vs. low throughput/bandwidth • High vs. low reliability • Connection delay • Number of concurrent connections • Levels of security <p>4.3 Compare and contrast different methods of sharing and storage</p> <ul style="list-style-type: none"> • HTTP vs. HTTPS • FTP vs. FTPS vs. SFTP (Secure File Transfer Protocol) • Local vs. hosted storage • Peer-to-peer • Network vs. local printing

วันที่ 5

เวลา	รายละเอียดหลักสูตร
8.30 – 12.00 น.	<p>5.0 Basic IT literacy</p> <p>5.1 Perform appropriate steps to set up a basic workstation</p> <ul style="list-style-type: none"> • Plug in cables • Power on computer • Follow initial operating system setup wizard • Install security software • Configure peripherals (if applicable) • Uninstall unneeded software (if applicable) • Configure and verify internet connection • Install additional software (if applicable) • Run software and security updates • Other user accounts (if applicable) • Basic cable management <p>5.2 Explain the basic methods of navigating an operating system</p> <ul style="list-style-type: none"> • Executing programs • Difference between shortcuts and files • Manipulating files • Read-only vs. modifiable files • Navigate a file structure • Search, sort and display files • Create screen captures • Navigate with hot keys • Folder and file size • Accessibility options • Folder and file permissions
12.00 – 13.00 น.	พักกลางวัน
13.00 – 16.30 น.	<p>5.3 Given a scenario, implement basic support concepts</p> <ul style="list-style-type: none"> • Check for external issues • Manufacturer documentation • Manufacturer websites • Technical community groups • Contact technical support <p>5.4 Explain basic backup concepts</p> <ul style="list-style-type: none"> • Importance of backups • Scheduling • Frequency • Storage mediums • Backup verification and testing <p>5.5 Describe the importance and impact of various environmental and safety concepts</p> <ul style="list-style-type: none"> • Proper disposal methods • Power • Device placement • Electrostatic discharge concepts • Ergonomic concepts • Follow manufacturer safety guidelines

วันที่ 6

เวลา	รายละเอียดหลักสูตร
8.30 – 16.30 น.	ทบทวนและสอบ Certified CompTIA IT Fundamentals