

Diploma IN Hardware and Networking Certification

A+

- Computer Components Identification
- Assemble and Disassemble Computer Components
- Components in Portable Computers
- Devices Installation and Configuration
- Characteristics of Cabling and their Connectors
- Common IDE, SCSI and Peripheral Devices
- Optimize PC Operations Optimization
- Determine the Issues that must be Considered when upgrading a PC
- Popular CPU Chips
- Types of Memory (RAM)
- Types of Motherboards and their Components
- Printer Technologies, Interfaces and Options/Upgrades
- Troubleshoot Common Printer Problems
- Operating System Fundamentals OS Installation
- Common Error Codes Interpretation
- Networking Capabilities of Windows
- Basic Internet Protocols and Terminologies
- Procedures for Establishing Internet Connectivity

Network +

- Logical or Physical Network Topologies
- Networking Standards
- Characteristics of Different Types of Cables
- Different media Connectors and Describe their uses
- Purposes, Features and Functions of Network Components
- General Characteristics of the Different wireless technologies
- Different Network Protocols
- Classful IP and Their Subnet Masks
- Subnetting
- Private and Public network addressing schemes
- WAN Technologies
- Security protocols and authentication protocols
- Basic capabilities different server operating systems
- Benefits and characteristics of using a firewall and proxy service
- Main characteristics and purpose of extranets and intranets
- Antivirus software
- Fault Tolerance
- Network Utility to Troubleshoot Networks
- Impact of modifying, adding or removing network services
- Network Troubleshooting with Physical Topology