



Comp TIA A+ Tech Skills will prepare students for CompTIA A+ 220-602 exam. Students will learn how to support PC hardware in a business setting, including installation, troubleshooting, and component replacement.

This course is for anyone who wishes to begin a career in information technology by becoming a personal computer service technician, or who wants to prepare to take the CompTIA A+ Essentials examination.

Prerequisites

- Introduction to Windows or Equivalent Experience
- CompTIA A+ Essentials or Equivalent Experience

Content

- Measure and describe the characteristics of electricity; understand and follow safe practices when working with electricity; describe the purpose and features of power supplies, and install a new power supply into a PC; install power conditioning equipment and configure systems to minimize power consumption; and troubleshoot faulty power supplies.
- Define interrupt, IRQ, I/O address, DMA, and base memory address, and describe how those resources are involved with device interaction with system resources; install and configure an expansion card, laptop expansion devices, and legacy expansion adapters; and troubleshoot expansion-card problems.
- Install hard drives into a PC; partition and format drives to prepare them for use; install and use optical drives and discs; install floppy drives and use floppy disks to store data; connect, use, and troubleshoot USB and FireWire external drives; describe, install, use, and troubleshoot tape drives; and back up and restore data.
- Identify features of dot-matrix printers; install, use, and troubleshoot inkjet printers and laser printers; identify other printer types; identify steps in the Windows printing process and configure a Windows printer; identify printer options and upgrades; install scanners; and troubleshoot scanner problems.
- Identify features of, use of, and ways to troubleshoot problems with laptop and notebook computers; replace internal components in a notebook computer; and identify features of, connect, and troubleshoot handheld computer devices.
- Manage directories and files; monitor and manage the operating system; monitor events on the computer; and manage the Registry.