

C)HT: Hardware Technician

Course ID #: 7000-785-ZZ-Z

Hours: 35



Course Content

Course Description:

In this course you will cover the foundational knowledge needed to install, configure, and support computer hardware systems; this includes assembling components based on customer requirements; installing, configuring and maintaining devices, PCs, and servers.

The C)HT will also provide an understanding of the fundamentals of networking and security/forensics; properly and safely diagnosing, resolving, and documenting common issues; as well as applying troubleshooting skills. A favorite part of this course is the dive into wireless networks, mobile devices and custom builds for end user deployment.

Course Objectives:

Upon successful completion of this course, students will be able to:

- Competently take the C)HT exam well as the CompTIA A+ 220-1001 exam

Prerequisites:

None.

Target Audience:

- Anyone

Topics:

Chapter 1: Troubleshooting

- Troubleshooting theory
- Safety

Chapter 2: Motherboards and CPUs

- Motherboards
- CPUs

Chapter 3: Computer Power Supplies

- Power supply connectors
- Power supply installation
- Power supply troubleshooting

Chapter 4: Memory

- Read-only memory
- Random access memory

Chapter 5: Computer Expansion

- Expansion interfaces
- Expansion card installation
- Connectors and cables

Chapter 6: Physical Storage

- Disk drives
- Redundant array of independent disks (RAID)
- Optical drives
- Other storage methods



mile2 AUTHORIZED TRAINING CENTER

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Chapter 7: Input-Output Devices

- Input devices
- Output devices
- Dual input-output devices

Chapter 8: Display Devices

- Display types
- Display installation
- Display troubleshooting

Chapter 9: Network Cables and Connectors

- Twisted-pair connections
- Coaxial connections
- Optical media

Chapter 10: Mobile Devices

- Mobile device types
- Mobile device troubleshooting

Chapter 11: Printers and Multifunction Print Devices

- Printer technologies
- Printer installation
- Printer maintenance
- Printer troubleshooting

Chapter 12: Custom Computers

- Wi-Fi standards
- Wireless encryption

Chapter 13: Operational Procedures

- Environment
- Safety
- Content Privacy
- Professionalism

Accreditations:



Register for this class by visiting us at:

www.tcworkshop.com or calling us at 800-639-3535