



CompTIA A+ Hardware

5 days; Instructor-Led Training

Chapter 1: The Path of the PC Tech

The Importance of Skill in Managing and Troubleshooting PCs

The Importance of the CompTIA A+ Certification

How Do I Become CompTIA A+ Certified?

Chapter 2: The Visible PC

Historical / Conceptual

How the PC Works

Tools of the Trade and ESD Avoidance

Essentials

The Complete PC

Inside the System Unit

Chapter 3: Microprocessors

Historical / Conceptual

CPU Core Components

Memory

Essentials

Modern CPUs

IT Technician

Installing CPUs

Chapter 4: RAM

Historical / Conceptual

Understanding DRAM

Essentials

Types of RAM

Working with RAM

IT Technician

Troubleshooting RAM

Visit CCS on-line at www.ctcomp.com

Branch Training Site

344 W. Main St.
Milford, CT 06460

Headquarters

101 E. Summer St.
Plantsville, CT 06479

Branch Training Site

809 Main Street
E. Hartford, CT 06108



Chapter 5: BIOS and CMOS

Historical / Conceptual

We Need to Talk

Essentials

CMOS

BIOS and Device Drivers

IT Technician

Power-On Self Test (POST)

Care and Feeding of BIOS and CMOS

Chapter 6: Expansion BUS

Historical / Conceptual

Structure and Function of the Expansion Bus

Essentials

Modern Expansion Buses

System Resources

Installing Expansion Cards

IT Technician

Troubleshooting Expansion Cards

Chapter 7: Motherboards

Historical / Conceptual

How Motherboards Work

Essentials

Chipset

Motherboard Components

Upgrading and Installing Motherboards

IT Technician

Troubleshooting Motherboards

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Chapter 8: Power Supplies

Historical / Conceptual

Understanding Electricity

Essentials

Powering the PC

IT Technician

Installing, Maintaining and Troubleshooting Power Supplies

Chapter 9: Hard Drive Technologies

Historical / Conceptual

How Hard Drives Work

Essentials

ATA – The King

SCSI – Still Around

Protecting Data with RAID

Connecting Drives

BIOS Support: Configuring CMOS and Installing Drivers

Troubleshooting Hard Drive Installation

Chapter 10: Implementing Hard Drives

Historical / Conceptual

Hard Drive Partitions

Hard Drive Formatting

The Partitioning and Formatting Process

Maintaining and Troubleshooting Hard Drives

Chapter 11: Removable Media

Historical / Conceptual

Floppy Drives

Essentials

Flash Memory

Optical Drives

IT Technician

Troubleshooting Removable Media

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Chapter 12: Input / Output

Essentials

Supporting Common I/O Ports

Common I/O Devices

Specialty I/O Devices

Chapter 13: Video

Historical / Conceptual

Video Displays

Essentials

Video Cards

Installing and Configuring Video

IT Technician

Troubleshooting Video

Chapter 14: Sound

Historical / Conceptual

How Sound Works in a PC

Essentials

Getting the Right Sound Card

Installing Sound in a Windows System

IT Technician

Troubleshooting Sound

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