



# CompTIA® A+® Certification: Practical Application (2009 Objectives)

## COMP-125

### **Course Description:**

This CompTIA® A+® Certification: Practical Application (2009 Objectives) course is designed to provide students with the knowledge to install, upgrade, repair, configure, optimize, troubleshoot, and perform preventative maintenance on basic personal computer hardware and operating systems.

### **Course Objectives:**

Upon completion of the CompTIA® A+® Certification: Practical Application (2009 Objectives) course, students will be able to:

- Install and configure system components
- Troubleshoot system components
- Maintain and troubleshoot installations of Microsoft Windows
- Identify network technologies
- Install and manage network connections
- Support laptops and portable computing devices
- Support printers
- Identify personal computer security concepts
- Support personal computer security

### **Prerequisites:**

- Successful completion of COMP-120 CompTIA® A+® Certification: Essentials (2009 Objectives) course, or have equivalent knowledge, skills, and experience

### **Audience:**

- Anyone with basic computer user skills and essential computer support skills and knowledge (such as describing personal computer hardware components; installing and configuring peripherals, input devices, laptop components, and operating systems; performing basic troubleshooting, repair, and maintenance; describing basic networking and security concepts; performing basic safety and

- environmental procedures; and using appropriate communication skills) who is interested in obtaining a job as an IT professional or PC technician
- Students who are preparing to achieve a CompTIA A+ Certification

**Course Duration:**

3 Days

**Course Topics:**

**I. Installing and Configuring System Components**

- Install and Configure Adapter Cards
- Install and Configure Storage Devices
- Select and Install Power Supplies
- Select and Install Memory
- Select, Install, and Configure CPUs and Cooling System Units
- Install and Configure System Boards

**II. Troubleshooting System Components**

- Troubleshoot Adapter Cards
- Troubleshoot Storage Devices
- Troubleshoot Power Supplies
- Troubleshoot Memory
- Troubleshoot CPUs and Cooling Systems
- Troubleshoot System Boards

**III. Maintaining and Troubleshooting Microsoft Windows**

- Operating System Utilities
- Troubleshoot Microsoft Windows
- Recover Microsoft Windows

**IV. Network Technologies**

- Network Communications
- Topic 4B: Network Connectivity
- Internet Technologies

## **V. Installing and Managing Network Connections**

- Create Network Connections
- Install and Configure Web Browsers
- Maintain and Troubleshoot Network Connections

## **VI. Supporting Laptops and Portable Computing Devices**

- Laptop and Portable Computing Device Components
- Install and Configure Laptops and Portable Computing Devices
- Maintain and Troubleshoot Laptops and Portable Computing Devices

## **VII. Supporting Printers**

- Maintain and Troubleshoot Printers

## **VIII. Personal Computer Security Concepts**

- Security Fundamentals
- Security Protection Measures
- Data and Physical Security
- Install and Secure a Wireless Network

## **IX. Supporting Personal Computer Security**

- Install and Configure Security Measures
  - Maintain and Troubleshoot Security Measures
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- Appendix A: Mapping Course Content to the CompTIA® A+® Practical Application 220-702 Exam Objectives
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- Appendix B: CompTIA® A+® Acronyms