

**Course: A+ 2006 OBJECTIVES, Field Technician**

**Course Duration: Two Semesters**

**Prerequisites: Familiarity with Windows XP or Windows Vista**

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**Personal Computer Components**

Personal Computer Components  
System Unit Components  
Storage Devices  
Personal Computer Connection Methods

**Operating System Fundamentals**

Personal Computer Operating Systems  
Windows User Interface Components  
Windows File System Management  
Windows System Management Tools

**PC Technician Professional Best Practices**

Tools of the Trade  
Electrical Safety  
Environmental Safety and Materials Handling  
Perform Preventative Maintenance  
Diagnostics and Troubleshooting  
Professionalism and Communication

**Installing and Configuring Peripheral Components**

Install and Configure Display Devices  
Install and Configure Input Devices  
Install and Configure Adapter Cards  
Install and Configure Multimedia Devices

**Installing and Configuring System Components**

Install and Configure Storage Devices  
Install and Configure Power Supplies  
Install and Configure Memory  
Install and Configure CPUs  
Install and Configure System Boards

**Maintaining and Troubleshooting Peripheral Components**

Troubleshoot Display Devices  
Maintain and Troubleshoot Input Devices  
Troubleshoot Adapter Cards  
Troubleshoot Multimedia Devices

**Troubleshooting System Components**

Troubleshoot Storage Devices  
Troubleshoot Power Supplies  
Troubleshoot Memory  
Troubleshoot CPUs  
Troubleshoot System Boards

**Installing and Configuring Operating Systems**

Install Microsoft Windows  
Upgrade Windows  
Add Devices to Windows  
Optimize Windows

**Maintaining and Troubleshooting Microsoft Windows**

Operating System Utilities  
Maintain Microsoft Windows  
Troubleshoot Microsoft Windows  
Recover Microsoft Windows

**Network Technologies**

Network Concepts  
Network Communications  
Network Connectivity  
Internet Technologies

**Installing and Managing Network Connections**

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

**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

**Supporting Printers and Scanners**

Printer and Scanner Technologies  
Printer and Scanner Components  
Printer and Scanner Processes  
Install and Configure Printers and Scanners  
Maintain and Troubleshoot Printers and Scanners

**Personal Computer Security Concepts**

Security Fundamentals  
Security Protection Measures  
Data and Physical Security  
Wireless Security  
Social Engineering

**Supporting Personal Computer Security**

Install and Configure Security Measures  
Maintain and Troubleshoot Security Measures