

CompTIA A+ 1000 Certification Series!

Overview: A+ Certification is the computer industry recognized credential that certifies the competency of PC Service Specialists. It is sponsored by CompTIA – the Computing Technology Industry Association, and tests are administered by Pearson VUE. This certification program is backed by over 50 Major computer hardware and software manufacturers, vendors, distributors, resellers, and publications. Certification provides a wealth of benefits to any person seeking a job in the computer industry! Your successful computer career can start with this one course, or it can serve as proof of your computer hardware and operating system knowledge as a professional already in your field.

Course Modules:

Module 01 – IT Professional Soft Skills

(Duration: 35m)

1. Workbook (Pdf)
2. IT Professional Soft Skills
3. Troubleshooting and Problem Identification
4. Troubleshooting Steps
5. Problem Analysis and Potential Causes
6. Documentation Resources
7. Communication and Professionalism
8. Demo – IT Professional Soft Skills
9. Chapter 01 Review
10. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 02 -Safety for You and Computer Components

(Duration: 39m)

1. Workbook (Pdf)
2. Safety for You and Computer Components
3. Common IT Tools
4. Electrostatic Discharge
5. Handling Components
6. Personal Safety
7. High Voltage
8. Ergonomics
9. Environmental Waste
10. Demo – Safety for You and Computer Components
11. Chapter 02 Review
12. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 03 -System Component Overview

(Duration: 23m)

1. Workbook (Pdf)
2. System Component Overview
3. Processors and CPUs
4. Power Supplies
5. Storage Devices
6. Adapter Cards
7. BIOS/CMOS
8. Chips
9. Input and Output Devices

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10. Ports
11. Demo- System Component
12. Chapter 03 Review
13. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 04 -Understanding Motherboards

(Duration: 30m)

1. Workbook (Pdf)
2. Understanding Motherboards
3. Motherboard Chipsets
4. Front and Side Panels
5. Cache Memory
6. RAM Slots
7. BIOS Chip
8. Expansion Slots
9. Connectors and Ports
10. Demo- Understanding Motherboards
11. Chapter 04 Review
12. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 05 -Understanding Processors

(Duration: 34m)

1. Workbook (Pdf)
2. Understanding Processors
3. Data Bus
4. Architecture

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5. Chip Packaging
6. Processor Sockets
7. Intel and Non-Intel Chips
8. Additional Core Processors
9. Installing a Processor
10. Demo- Performing Installation of a Processor
11. Chapter 05 Review
12. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 06 -Understanding Types of Memory

(Duration: 26m)

1. Workbook (Pdf)
2. Understanding Types of Memory
3. Understanding Types of Memory- RAM
4. Understanding Types of Memory- ROM
5. Error Checking Memory
6. Single- and Double-sided Memory
7. Installing and Upgrading Memory
8. Demo- Understanding Types of Memory
9. Chapter 06 Review
10. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 07 -Understanding BIOS and CMOS

(Duration: 26m)

1. Workbook (Pdf)
2. Understanding BIOS and CMOS

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3. BIOS and Upgrades
4. Understanding (CMOS)
5. Hard Drives
6. Optical Drives
7. RAM Memory
8. Speeds and Ports
9. Advanced Settings
10. Demo- BIOS and CMOS
11. Chapter 07 Review
12. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 08-Hard Drives and Storage Devices

(Duration: 40m)

1. Workbook (Pdf)
2. Hard Drives and Storage Devices
3. Hard Disks
4. IDE Devices
5. Demo- Installing IDE Devices
6. Small Computer System Interface
7. Removable Storage
8. Demo- Hard Drives and Storage Devices
9. Chapter 08 Review
10. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 09 -Power Supplies and Voltage

(Duration: 30m)

1. Workbook (Pdf)
2. Power Supplies and Voltage
3. Power Supplies
4. Power Supply Uses
5. Power Consumption
6. Power Connections
7. Demo- Power Supplies and Voltage
8. Chapter 09 Review
9. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 10 -Ports, Cables, and Connectors

(Duration: 33m)

1. Workbook (Pdf)
2. Ports, Cables, and Connectors
3. Cables
4. Ribbon Cables
5. Coaxial Cables
6. Twisted Pair
7. Fiber
8. Cable Orientation and Cable Types
9. Male and Female Connections
10. DB-15
11. RJ-11
12. RJ-45

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13. Universal Serial Bus (USB) Connections
14. Type-A
15. Type-B
16. Mini-B
17. External Cables
18. Types of Adapters and Converters
19. VGA
20. DVI Cables
21. HDMI Cables
22. Audio Cables
23. USB Cables and Thunderbolt USB
24. Computer Power Cords
25. Demo- Ports, Cables, and Connectors Hardware
26. Chapter 10 Review
27. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 11 -Input and Output Devices

(Duration: 46m)

1. Workbook (Pdf)
2. Input and Output Devices
3. Video Adapters
4. Video Standards
5. Video Card Features
6. Video Connectors
7. Installing Video Cards
8. Types of Displays
9. Display Features
10. Multiple Displays
11. Troubleshooting Displays
12. Soundcards
13. Demo – Input and Output Devices
14. Chapter 11 Review
15. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 12-Managing Printers

(Duration: 44m)

1. Workbook (Pdf)
2. Managing Printers
3. Types of Printers
4. Laser Printers
5. Inkjet Printers
6. Dot Matrix Printers
7. Multifunction Printers
8. Cloud-based Printers
9. Thermal Printers
10. Printer Parts
11. Printer Connections
12. Installing Printers
13. Printer Troubleshooting
14. Demo – Printer Install
15. Demo – Managing Printers
16. Chapter 12 Review
17. Review Quiz (Number of attempts allowed: Unlimited)

Module 13 -Mobile Devices, Multimedia, and Laptop Computers

(Duration: 43m)

1. Workbook (Pdf)
2. Mobile Devices, Multimedia, and Laptop Computers

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3. Laptop Components
4. Demo – Five Laptops
5. Laptop Operations
6. Battery Types
7. Battery Handling
8. Improving Battery Performance
9. Standby and Sleep Modes
10. AC Adapters
11. LCD Panel Displays
12. Keyboards and Keys
13. Troubleshooting Laptops
14. Demo – Mobile Devices, Multimedia, and Laptop Computers
15. Demo – Mobile Device Maintenance
16. Chapter 13 Review
17. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 14- Preventive Maintenance

(Duration: 29m)

1. Workbook (Pdf)
2. Preventive Maintenance
3. Preventive Tasks
4. Preventive Maintenance Tools- Outside
5. Preventive Maintenance Tools- Inside
6. Common Issues
7. Demo- Preventive Maintenance Hardware
8. Chapter 14 Review
9. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 15 -Troubleshooting Procedures

(Duration: 1h 7m)

1. Workbook (Pdf)
2. Troubleshooting Procedures
3. Common Screws
4. Software Tools
5. Troubleshooting
6. What to Look for
7. Audible Codes
8. Visible Codes
9. What to Look for- Drives and Processors
10. What to Look for- External Parts
11. Demo- Troubleshooting Procedures
12. Chapter 15 Review
13. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 16 -Operating Systems

(Duration: 1h 39m)

1. Workbook (Pdf)
2. Operating Systems
3. Big 3- Windows, Linux, and Mac
4. Applications
5. Windows Versions
6. Windows 10 Overview
7. Demo- Windows 10
8. Linux

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9. Mac
10. Operating System Versions
11. Paging Memory
12. Choosing a Filesystem
13. The Registry
14. Tools and Configuration Utilities
15. Demo- Control Panel
16. Security and Maintenance
17. Windows Security
18. System
19. Power Options
20. Storage Spaces
21. Computer Drives
22. Configuration
23. Remote Assistance
24. Demo- Remote Assistance
25. Files
26. Installation and Upgrades for Windows
27. Installation
28. Demo- Operating Systems Command Prompt
29. Demo – Operating Systems Administrative Tools
30. Demo – Operating Systems Migration
31. Demo – Operating Systems Configurations
32. Chapter 16 Review
33. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 17 -Managing Files

(Duration: 23m)

1. Workbook (Pdf)
2. Managing Files
3. Common Executable File Extensions
4. Common Application File Extensions
5. Common Compression File Extensions

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6. Common System File Extensions
7. Graphic File Extensions
8. Miscellaneous Files
9. Questions
10. File Attributes
11. Encryption
12. Setting Attributes
13. Command Prompts
14. Demo – Managing Files
15. Chapter 17 Review
16. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 18 - Applications Utility, Troubleshooting, and Optimization

(Duration: 1h 4m)

1. Workbook (Pdf)
2. Applications Utility, Troubleshooting, and Optimization
3. Installing, Removing, and Repairing Applications
4. Windows Compatibility Modes
5. Optimizing the Windows Environment
6. Performance Monitors
7. Virtual Memory
8. Troubleshooting Utilities
9. System Configuration Utility
10. Computer Management
11. Error Codes
12. Demo – Applications Utility
13. Demo – Troubleshooting Utility
14. Demo – Optimization
15. Chapter 18 Review
16. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 19 -Configuring Device Drivers

(Duration: 17m)

1. Workbook (Pdf)
2. Configuring Device Drivers
3. Changing Device Settings
4. Updating Drivers
5. Removing Device Drivers
6. Plug-and-Play Devices
7. Device Failure
8. Demo – Configuring Drivers
9. Chapter 19 Review
10. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 20 -Networking and Wireless Connections

(Duration: 59m)

1. Workbook (Pdf)
2. Networking and Wireless Connections
3. Peer-to-Peer
4. Server Networks
5. Topology
6. Bus
7. Star
8. Ring
9. Network Protocols
10. Networking Devices
11. Ways to Network a Computer

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12. Wireless Communications
13. Securing Routers
14. Installing a Network Adapter
15. Troubleshooting Networks
16. Demo- Networking and Wireless Connections
17. Chapter 20 Review
18. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 21 – Recovering Systems and Disaster Recovery

(Duration: 25m)

1. Workbook (Pdf)
2. Recovering Systems and Disaster Recovery
3. Disaster Recovery
4. Booting into Safe Mode
5. Emergency Repair
6. Backup and Restore
7. Recovery Methods
8. Preventive Maintenance
9. Demo- Recovering Systems
10. Chapter 21 Review
11. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 22 -Cloud Computing

(Duration: 46m)

1. Workbook (Pdf)
2. Cloud Computing
3. Overview
4. Benefits and Risks
5. Deployment Models
6. Cloud Characteristics
7. Planning
8. Cloud Computing Technologies
9. Architecture
10. Infrastructure
11. Cloud Models
12. Virtualization
13. Security
14. Demo- Cloud Storage
15. Chapter 22 Review
16. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 23-Security Fundamentals

(Duration: 50m)

1. Workbook (Pdf)
2. Security Fundamentals
3. Types of Attackers
4. Types of Attacks
5. Malware

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6. Physical Security
7. Authentication
8. Multifactor Authentication
9. Data Protection
10. Data Backups
11. Prevention Methods
12. Security Controls
13. System Hardening
14. Demo- Security Fundamentals
15. Chapter 23 Review
16. **Review Quiz (Number of attempts allowed: Unlimited)**

This course includes

- about 15.30 hours on-demand video
- 23 downloadable Pdf Workbooks
- Unlimited time access (During Membership)
- Access on mobile and Desktop
- Certificate of Completion

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