



Programma corso Certificazione CompTIA A+



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Informazioni generali

La Certificazione CompTIA A+ attesta il possesso di conoscenze e competenze nelle tecnologie fondamentali Hardware e dei sistemi operativi, incluso l'installazione, la configurazione, la diagnosi, la manutenzione ed elementi di networking. Infatti per operare nei sistemi informativi di oggi, uno specialista Hardware e Software deve possedere le competenze necessarie per la gestione dei sistemi. Questo corso vuole introdurre l'allievo nel mondo delle tecnologie informatiche e delle telecomunicazioni digitali; è fortemente orientato alle attività pratiche con particolare attenzione sulla teoria del funzionamento dei computer, manutenzione, uso di particolari tecnologie e sicurezza dei laboratori e degli ambienti di lavoro.

Il corso è rivolto a tutti coloro che desiderano avvicinarsi al mondo dei sistemi informatici.

La frequenza a questo corso viene consigliata per la preparazione agli esami:

- CompTIA 220-801 CompTIA A+ Essentials
 - CompTIA 220-802 CompTIA A+ Practical Application
- necessari per il conseguimento della Certificazione CompTIA A+

E' possibile richiedere Corsi personalizzati per:

- Preparazione singolo esame CompTIA A+
- Preparazione Certificazione CompTIA A+

CompTIA 220-801 CompTIA A+ Essentials**PC Hardware**

- :: Configure and apply BIOS settings
- :: Differentiate between motherboard components, their purposes, and properties
- :: Compare and contrast RAM types and features
- :: Install and configure expansion cards
- :: Install and configure storage devices and use appropriate media
- :: Differentiate among various CPU types and features and select the appropriate cooling method
- :: Compare and contrast various connection interfaces and explain their purpose
- :: Install an appropriate power supply based on a given scenario
- :: Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs
- :: Given a scenario, evaluate types and features of display devices
- :: Identify connector types and associated cables
- :: Install and configure various peripheral devices

Networking

- :: Identify types of network cables and connectors
- :: Categorize characteristics of connectors and cabling
- :: Explain properties and characteristics of TCP/IP
- :: Explain common TCP and UDP ports, protocols, and their purpose
- :: Compare and contrast wireless networking standards and encryption types
- :: Install, configure, and deploy a SOHO wireless/wired router using appropriate settings
- :: Compare and contrast Internet connection types and features
- :: Identify various types of networks
- :: Compare and contrast network devices their functions and features
- :: Given a scenario, use appropriate networking tools

Laptops

- :: Install and configure laptop hardware and components
- :: Compare and contrast the components within the display of a laptop
- :: Compare and contrast laptop features

Printers

- :: Explain the differences between the various printer types and summarize the associated imaging process
- :: Given a scenario, install, and configure printers
- :: Given a scenario, perform printer maintenance

Operational Procedures

- :: Given a scenario, use appropriate safety procedures
- :: Explain environmental impacts and the purpose of environmental controls
- :: Given a scenario, demonstrate proper communication and professionalism
- :: Explain the fundamentals of dealing with prohibited content/activity

CompTIA 220-802 CompTIA A+ Practical Application**Operating Systems**

- :: Compare and contrast the features and requirements of various Microsoft Operating Systems
- :: Given a scenario, install, and configure the operating system using the most appropriate method
- :: Given a scenario, use appropriate command line tools
- :: Given a scenario, use appropriate operating system features and tools
- :: Given a scenario, use Control Panel utilities
- :: Setup and configure Windows networking on a client/desktop
- :: Perform preventive maintenance procedures using appropriate tools
- :: Explain the differences among basic OS security settings
- :: Explain the basics of client-side virtualization

Security

- :: Apply and use common prevention methods
- :: Compare and contrast common security threats
- :: Implement security best practices to secure a workstation
- :: Given a scenario, use the appropriate data destruction/disposal method
- :: Given a scenario, secure a SOHO wireless network
- :: Given a scenario, secure a SOHO wired network

Mobile Devices

- :: Explain the basic features of mobile operating systems
- :: Establish basic network connectivity and configure email
- :: Compare and contrast methods for securing mobile devices
- :: Compare and contrast hardware differences in regards to tablets and laptops
- :: Execute and configure mobile device synchronization

Troubleshooting

- :: Given a scenario, explain the troubleshooting theory
- :: Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools
- :: Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools
- :: Given a scenario, troubleshoot common video and display issues
- :: Given a scenario, troubleshoot wired and wireless networks with appropriate tools
- :: Given a scenario, troubleshoot operating system problems with appropriate tools
- :: Given a scenario, troubleshoot common security issues with appropriate tools and best practices
- :: Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures
- :: Given a scenario, troubleshoot printers with appropriate tools