



CompTIA: a+ Cyber On-Demand

Course ID #: 7000-1146-ZZ-Z

Hours: 35

Delivery Method: Group Internet Based

Course Content

Description:

Welcome to your next step toward a rewarding career in IT security and support. In this course, you will gain a strong foundation in essential cybersecurity concepts, technical support roles, and network fundamentals—all with practical, real-world applications. The course is designed to guide you through each critical aspect of modern IT environments, ensuring you develop skills that are directly aligned with current industry needs. Whether you're just starting out or looking to reinforce your knowledge base, you will find interactive lessons, hands-on labs, and real-case scenarios that make learning engaging and effective.

Throughout your learning journey, you will delve into Windows and Linux administration, master secure client and enterprise networking basics, and develop a working familiarity with scripting and automation. You'll also learn how to implement cybersecurity controls and manage data effectively. Each section is designed not only to build theoretical understanding but also to provide you with practical skills you can use immediately. By the end of this course, you'll be prepared to confidently pursue further certifications and roles in cybersecurity and technical support.

Objectives:

Upon successful completion of this course, students will:

- Explain and perform common cybersecurity support roles within an organization.
- Assist with fundamental Microsoft Windows administration tasks.
- Configure and secure network clients and applications.
- Implement core principles of enterprise campus networking.
- Apply basic cybersecurity controls to protect information assets.
- Operate and troubleshoot Linux application servers.
- Use basic scripting and automation tools to improve IT processes.
- Execute foundational data management and protection practices.
- Utilize industry terminology and concepts effectively in technical environments.

Prerequisites:

Basic computer literacy; familiarity with general IT concepts is recommended.

Target Audience:

- Entry-level IT professionals
- Aspiring cybersecurity technicians
- Help desk and technical support staff
- Individuals preparing for cybersecurity or IT support roles



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Topics:

Module 1: Cybersecurity Support Roles

- Cybersecurity roles and responsibilities
- Threats, vulnerabilities, and risk
- Security Operations Center (SOC) fundamentals

Module 2: Microsoft Windows Administration Fundamentals

- Managing and securing Windows systems
- Administrative tools and user management
- Application and storage management

Module 3: Secure Network Client Fundamentals

- Network protocols and TCP/IP
- Configuring network clients
- SOHO networks and secure browsing

Module 4: Enterprise Campus Network Fundamentals

- Enterprise network design
- Network security components
- Data centers and virtualization

Module 5: Enterprise Network Application Fundamentals

- Authentication and authorization
- Application protocols
- WANs, VPNs, cloud, and IoT

Module 6: Cybersecurity Controls

- Operational procedures and asset management
- Vulnerability and incident management
- Security monitoring and response

Module 7: Linux App Server Fundamentals

- Linux command-line operations
- User and file system management
- Linux application services

Module 8: Automation Scripting Fundamentals

- Scripting concepts and logic
- PowerShell and Bash scripting
- Automation use cases

Module 9: Data Management Fundamentals

- Data storage concepts
- Data security and privacy
- Backup and lifecycle management

Register for this class by visiting us at:

www.tcworkshop.com or by calling us at 800-639-3535

NASBA CPE details are provided on the following pages.



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NASBA Information

Level: Intermediate

Advanced Preparation:

Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.

Recommended Field(s) of Study: Computer Software & Applications

Recommended CPEs: 39.00

Policies: Course Registration, Cancellation, Refund, and Complaint Resolution

For more information regarding administrative policies such as complaint and program cancellation policies, please contact our offices at 800-639-3535 or visit us at: www.tcworkshop.com

Official National Registry Statement:

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NOTE: Since our information is in multiple places on our website or in PDF format that is sent to clients, we have provided our normal course content with the NASBA Information added along with links to our policy page on the web. We will add our name to the Official National Registry Statement after we are approved.