CompTIA: a+ Cyber

Course Content

Description:

In this course, you will cover: The CompTIA a+ Cyber course is an excellent starting point for individuals aspiring to build a career in cybersecurity, offering a strong foundation of essential knowledge and skills. Designed to prepare learners for advanced training courses like CompTIA Security+, this program equips learners with the expertise needed to secure devices, protect networks, and manage both Linux and Windows systems effectively. By establishing a solid baseline, CompTIA a+ Cyber sets learners on the path to achieving industry-recognized certifications and pursuing rewarding opportunities in the ever-growing field of cybersecurity.

Objectives:

Upon successful completion of this course, students will:
* Identify cybersecurity support roles and security operations concepts
* Manage and secure Microsoft Windows systems
* Configure and secure network clients and SOHO networks
* Explain enterprise campus networking and data center fundamentals
* Implement enterprise authentication, authorization, and application protocols
* Apply cybersecurity controls and incident response concepts
* Operate and manage Linux servers and applications
* Develop basic automation scripts
* Understand data storage and data security principles

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:

Lesson 1: Cybersecurity Support Roles
- Cybersecurity roles and responsibilities
- Threats, vulnerabilities, and risk
- Security Operations Center (SOC) fundamentals

Lesson 2: Microsoft Windows Administration Fundamentals
- Managing and securing Windows systems
- Administrative tools and user management
- Application and storage management

Lesson 3: Secure Network Client Fundamentals
- Network protocols and TCP/IP
- Configuring network clients
- SOHO networks and secure browsing

Lesson 4: Enterprise Campus Network Fundamentals
- Enterprise network design
- Network security components
- Data centers and virtualization

Lesson 5: Enterprise Network Application Fundamentals
- Authentication and authorization
- Application protocols
- WANs, VPNs, cloud, and IoT

Lesson 6: Cybersecurity Controls
- Operational procedures and asset management
- Vulnerability and incident management
- Security monitoring and response

Lesson 7: Linux App Server Fundamentals
- Linux command-line operations
- User and file system management
- Linux application services

Lesson 8: Automation Scripting Fundamentals
- Scripting concepts and logic
- PowerShell and Bash scripting
- Automation use cases

Lesson 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.

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 Applications & Software
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**

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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.