VANTAGEP•INT
I.T. TRAINING & CONSULTING

Technology Innovation Centre (UTECH), 237 Old Hope Road, Kingston 6, Jamaica W.I.
Tel: 876-970-5545, Fax: 927-1925, Email: info@vantagepointc.com Website: www.vantagepointitc.com

CCNA Security

Course Duration: 5 Days

In this course, you will learn how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configuring an IP router, managing network devices. You will also learn about the design, implementation, and monitoring of a comprehensive security policy using Cisco IOS security features and technologies. You will also learn about security controls of Cisco IOS devices as well as a functional introduction to the Cisco Adaptive Security Appliance (ASA).

Upon completing this course, you will be able to meet these objectives:

- Describe the components of a comprehensive network security policy that can be used to counter threats against IT systems, within the context of a security policy life cycle

- Develop and implement security countermeasures that are aimed at protecting network elements as part of the network infrastructure

- Deploy and maintain threat control and containment technologies for perimeter security in small and midsize networks

- Describe secure connectivity strategies and technologies using VPNs, as well as configure site-to-site and remote-access VPNs using Cisco IOS features

Course Content:

Fundamentals of Network Security
Networking Security Concepts
Common Security Threats

Secure Access
Implementing AAA in Cisco IOS
Bring Your Own Device (BYOD)

Virtual Private Networks (VPN)
Chapter Fundamentals of VPN Technology and Cryptography
Fundamentals of IP Security
Implementing IPsec Site-to-Site VPNs
Implementing SSL VPNs Using Cisco ASA

Secure Routing and Switching
Securing Layer 2 Technologies
Network Foundation Protection
Securing the Management Plane on Cisco IOS Devices
Securing the Data Plane in IPv6
Securing Routing Protocols and the Control Plane

Cisco Firewall Technologies and Intrusion Prevention System Technologies
Understanding Firewall Fundamentals
Implementing Cisco IOS Zone-Based Firewalls
Configuring Basic Firewall Policies on Cisco ASA
Cisco IDS/IPS Fundamentals

Content and Endpoint Security
Mitigation Technologies for E-mail-Based and Web-Based Threats 477
Mitigation Technologies for Endpoint Threats 495