

Course Outline



Course Name: Huawei Certified ICT Associate Security

Course Code: HW-HCIA-SEC

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
5 Days	Associate	Security	VITL/In Class	N/A

Introduction

With HCNA-Security certification, it will prove that you have a preliminary understanding of the basic knowledge of small and medium-sized network information security, Huawei firewall technology, encryption and decryption technology, information security system operation and maintenance, and have the ability to assist in the design of small and medium-sized enterprise security network architecture and deployment and maintenance of the corresponding solutions.

Target Audience

- Security operation and maintenance personnel.
- Those who hope to obtain HCIA-Security certification.

Prerequisites

Before attending this course, delegates must have:

- CompTIA Security+ and Basic knowledge of TCP/IP
- Basic knowledge of Routing and Switching

Course Objectives

On completion of this program, the participants will be able to:

- Understand the basic concepts of information security
- Understand information security common specifications
- Configure network devices
- Understand security attacks
- Understand encryption principle
- Understanding basic WAN secured connectivity
- Understand the basic principles of operating system
- Understanding the common risks and defense methods of operating systems
- Understand the basic process of security operation and maintenance
- Understanding of safety analysis methods and evidence collection methods

Course Content

Lesson 1: Security information and security overview

- Information Security Standards and Specifications
- Basic Network Concepts and Common Network Devices
- Common Information Security Threats
- Threat Defence and Information Security Development Trends

Lesson 2: Operation system and Host security

- Operating System Overview
- Common Server Types and Threats
- Host Firewalls and Antivirus Software

Lesson 3: Network security basis

- Introduction to Firewalls
- Network Address Translation
- Dual-System Hot Standby
- Firewall User Management
- Overview of Intrusion Prevention
- Remote connections; Basic L2TP, GRE, IPSec and SSL VPN

Lesson 4: Application of Encryption and Decryption

- Encryption and Decryption Mechanism
- PKI Certificate System
- Application of Cryptographic Technologies

Lesson 5: Security operation and analysis

- Introduction to Security Operations
 - Data Monitoring and Analysis
-

- Digital Forensics
- Cybersecurity Emergency Response

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to write the HCIA-Security V3.0 exam #: H12-711 which covers information security and security overview, operation system and Host security, network security basis, Application of Encryption and Decryption, Safety operation and analysis basis, VPN's etc.

Candidates wishing to write the HCIA Security exam, must create a profile online on the Huawei website and Pearson Vue. If you don't wish to self-book the exam online, a profile details must be presented at our exam centres together with the booking form. Registration is free of charge and is completed on the Huawei website.