

# Cisco CCNA Security Certification



## Course Outline

### Module 1: Networking Security Fundamentals

- Introducing Networking Security Concepts
- Understanding Security Policies Using a Life-Cycle Approach
- Building a Security Strategy for Borderless Networks

### Module 2: Protecting the Network Infrastructure

- Introducing Cisco Network Foundation Protection
- Protecting the Network Infrastructure Using Cisco Configuration Professional
- Securing the Management Plane on Cisco IOS Devices
- Configuring AAA on Cisco IOS Devices Using Cisco Secure ACS
- Securing the Data Plane on Cisco Catalyst Switches
- Securing the Data Plane in IPv6 Environments

### Module 3: Threat Control and Containment

- Planning a Threat Control Strategy
- Implementing Access Control Lists for Threat Mitigation
- Understanding Firewall Fundamentals
- Implementing Cisco IOS Zone-Based Policy Firewalls
- Configuring Basic Firewall Policies on Cisco ASA Appliances
- Understanding IPS Fundamentals
- Lesson 7: Implementing Cisco IOS IPS

### Module 4: Secure Connectivity

- Understanding the Fundamentals of VPN Technologies
- Introducing Public Key Infrastructure
- Examining IPsec Fundamentals
- Implementing Site-to-Site VPNs on Cisco IOS Routers
- Implementing SSL VPNs Using Cisco ASA Appliances