301-258-8200 | Sales@PhoenixTS.com | www.PhoenixTS.com

View Full Course Details including Latest Schedule Online

CISCO

IINS Certification Training

This course is designed to provide the necessary knowledge and skills to properly implement and monitor a comprehensive security policy.

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

Our 5-day instructor-led IINS (Implementing Cisco IOS Network Security) training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online is directed toward IT networking professionals. It covers:

- AAA on Cisco devices
- Cisco firewall technologies
- Cisco IPS
- Layer 2 attacks
- Common security threats
- IOS ACLs
- Secure network management & reporting
- Security on Cisco routers
- VPN technologies

This course will prepare you for the CCNA® Security Certification exam.

Before taking this course, you should be familiar with the concepts covered in the ICND1 Certification Training course, have a knowledge of Cisco IOS networking, and can work with a Windows operating system. Cisco recommends having either the CCENT or CCNA® Routing and Switching certifications.

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.

Program Level

Advanced

Training Delivery Methods

Group Live

Duration

5 Days / 32 hours Training

CPE credits

26 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

Course Outline

Understanding Security Fundamentals

- Goals of security
- Network topologies
- Common network security zones

Understanding Security Threats

- Common network attacks
- Social engineering
- Malware
- Data loss and exfiltration

Understanding Cryptography

- Symmetric and asymmetric encryption
- Hashing algorithims
- Key exchange

- Public Key Infrastructure (PKI)

Securing the Routing Process

- Securing router access
- Implementing OSPF routing update authentication
- Securing the control plane

Understanding Layer 2 Attacks

- Understanding STP attacks
- Understanding ARP attacks
- Understanding MAC attacks
- Understanding CAM overflows
- Understanding CDP/LLDP reconnaissance
- Understanding VLAN hopping
- Understanding DHCP spoofing

Preventing Layer 2 Attacks

- Configuring DHCP snooping
- Configuring dynamic ARP inspection
- Configuring port security
- Configuring STP security features
- Disabling DTP
- Verifying mitigations

VLAN Security

- Native VLANs
- PVLANs
- ACLs on switches

Securing Management Traffic

- In-band and out-of-band management
- Securing network management
- Securing access through SNMP v3

- Securing NTP
- Using SCP for file transfer

Understanding 802.1x and AAA

- 8021.x components
- RADIUS and TACACS+ technologies
- Configuring administrative access with TACACS+
- Understanding authentication and authorization using ACS and ISE
- Understanding the integration of active directory with AAA

Securing a BYOD Initiative

- The BYOD architecture framework
- The function of mobile device management

Understanding VPNs

- Understanding IPsec
- Understanding advanced VPN concepts

Configuring VPNs

- Configuring remote access VPNs
- Configuring site-to-site VPNs

Understanding Firewalls

- Understanding firewall technologies
- Stateful vs stateless firewalls

Configuring NAT and Zone-Based Firewalls

- Implementing NAT on ASA 9.x
- Configuring zone-based firewalls

Configuring the Firewall on an ASA

- Understanding firewall services
- Understanding modes of deployment
- Understanding methods of implementing high availability
- Understanding security contexts
- Configuring ASA management access
- Configuring Cisco ASA interface security levels
- Configuring security access policies
- Configuring default Cisco modular policy framework (MPF)

Intrusion Prevention

- IPS terminology
- Evasion techniques
- Introducing Cisco FireSIGHT
- Understanding modes of deployment
- Positioning of the IPS within the network
- Understanding false positives, false negatives, true positives and true negatives

Content and Endpoint Security

- Mitigating email threats
- Mitigating web-based threats
- Mitigating endpoint threats

Exam Information

210-260 IINS Certification Exam Details:

- Number of Questions: 60-70
- Test Duration: 90 minutes
- Test Format: Multiple Choice, Multiple Answer, Drag and drop, Testlets, Simlets and Router & Switch Simulations
- Test Delivery: Pearson VUE

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Exam focuses on these skill areas:

- Secure network infrastructure
- Understanding core security concepts
- Managing secure access
- VPN encryption
- Firewalls
- Intrusion prevention
- Web and email content security
- Endpoint security
- Installation, troubleshooting, and monitoring of a secure network to maintain integrity, confidentiality, and availability of data and devices

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Phoenix TS is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints re-garding registered sponsors may be submitted to the National Registry of CPE Sponsors through its web site: www.nasbaregistry.org

Starting at **$3,495**

ATTENTION

For GSA pricing or Contractor quotes call

10420 Little Patuxent Parkway Suite 500 Columbia, MD 21044

301-258-8200 – Option 2.

GSA

Price Match Guarantee

We'll match any competitor's price quote. Call us at 240-667-7757.

Included in this **IINS Certification Training** course:

- 5 days instructor-led training
- IINS Certification Training book
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*

**denotes this benefit is only available at participating locations.*