# SECFNDU - CISCO SECURITY FUNDAMENTALS V1.0

Course Code: 860061

Stay ahead of evolving threats with Cisco Security Fundamentals (SECFNDU), a course crafted for IT professionals who want actionable skills in modern network security. Delve into the latest technologies, including virtualization, next-generation firewalls, VPNs, and endpoint protection. You'll master the deployment and management of Cisco Secure Firewall ASA and Umbrella, learning how to implement robust security policies and respond to real-world attack scenarios.

SECFNDU goes beyond theory, offering practical insights into attack vectors, reconnaissance techniques, and infrastructure protection. By the end of the course, you'll be ready to secure networks, endpoints, and cloud environments with confidence—making you an indispensable asset to any organization.

**This training is eligible for 24 Continuing Education Credits (ILT & ELT Modality).**

## What You'll Learn

This course provides you with comprehensive foundational security skills to empower you to:

- Understand and articulate the principles of defense-in-depth and the attack continuum in modern network security.
- Identify and describe the functions of key network security technologies, including firewalls, intrusion prevention systems, and malware protection.
- Analyze common TCP/IP and network application attacks, recognizing vulnerabilities and attack vectors.
- Implement foundational network infrastructure protection strategies, including control, management, and data plane security controls.
- Deploy and configure Cisco Secure Firewall ASA and Secure Endpoint solutions to enhance organizational security.
- Explain the concepts and applications of VPN technologies and cryptography in securing communications.

## Who Needs to Attend

- Security Engineers
- Network Engineers

- Network Designers
- Network Administrators
- Systems Engineers
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners
- Network Managers
- Cisco integrators and partners

## Prerequisites

Skills and knowledge equivalent to those learned in Implementing and Administering Cisco Solutions (CCNA) v2.2 course or the Implementing and Administering Cisco Solutions (CCNA) v2.2 Bootcamp

- Familiarity with Ethernet and TCP/IP networking
- Working knowledge of the Windows operating system
- Working knowledge of Cisco IOS networking and concepts
- Familiarity with basics of networking security concepts

# SECFNDU - CISCO SECURITY FUNDAMENTALS V1.0

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| CLASSROOM LIVE | $2,995 USD | 3 Day |
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## Classroom Live Outline

- Module 1: Network Security Technologies
- Module 2: Describe Common TCP/IP Attacks
- Module 3: Describe Common Network Application Attacks
- Module 4: Network Infrastructure Protection
- Module 5: Cisco Secure Firewall ASA Deployment
- Module 6: VPN Technologies AND Cryptography Concepts
- Module 7: Cisco Umbrella Deployment
- Module 8: Common Endpoint Attacks
- Module 9: Endpoint Security Technologies
- Module 10: Cisco Secure Endpoint
- Module11: 802.1X Authentication

## Classroom Live Labs

- Discovery 1: Configure Network Settings and NAT on Cisco Secure Firewall ASA
- Discovery 2: Configure Cisco Secure Firewall ASA Access Control Policies
- Discovery 3: Examine Cisco Umbrella Dashboard and DNS Security
- Discovery 4: Explore Cisco Umbrella Secure Web Gateway and Cloud-Delivered Firewall
- Discovery 5: Explore Cisco Umbrella CASB Functionalities
- Discovery 6: Explore Cisco Secure Endpoint
- Discovery 7: Perform Endpoint Analysis Using Cisco Secure Endpoint Console
- Discovery 8: Explore File Ransomware Protection by Cisco Secure Endpoint Console

# SECFNDU - CISCO SECURITY FUNDAMENTALS V1.0

Course Code: 860061

| VIRTUAL CLASSROOM LIVE | $2,995 USD | 3 Day |

## Virtual Classroom Live Outline

- Module 1: Network Security Technologies
- Module 2: Describe Common TCP/IP Attacks
- Module 3: Describe Common Network Application Attacks
- Module 4: Network Infrastructure Protection
- Module 5: Cisco Secure Firewall ASA Deployment
- Module 6: VPN Technologies AND Cryptography Concepts
- Module 7: Cisco Umbrella Deployment
- Module 8: Common Endpoint Attacks
- Module 9: Endpoint Security Technologies
- Module 10: Cisco Secure Endpoint
- Module11: 802.1X Authentication

## Virtual Classroom Live Labs

- Discovery 1: Configure Network Settings and NAT on Cisco Secure Firewall ASA
- Discovery 2: Configure Cisco Secure Firewall ASA Access Control Policies
- Discovery 3: Examine Cisco Umbrella Dashboard and DNS Security
- Discovery 4: Explore Cisco Umbrella Secure Web Gateway and Cloud-Delivered Firewall
- Discovery 5: Explore Cisco Umbrella CASB Functionalities
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- Discovery 7: Perform Endpoint Analysis Using Cisco Secure Endpoint Console
- Discovery 8: Explore File Ransomware Protection by Cisco Secure Endpoint Console

Mar 9 - 11, 2026 | 9:00 AM - 5:00 PM EDT

Jun 8 - 10, 2026 | 9:00 AM - 5:00 PM EDT

Sep 14 - 16, 2026 | 9:00 AM - 5:00 PM EDT

Nov 2 - 4, 2026 | 9:00 AM - 5:00 PM EST

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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