

Network Security 1.0

Product Overview

Security is #1 Concern for CEOs – Here's Why



58 days median time from internal data breach to discovery ²



186 days median time from external breach to discovery ²

Sophistication, stealth, and frequency of threats will continue to increase



\$3.92M average cost of a breach ³

2. Source: Mandiant M – Trend Report, 2018

3. Source: Ponemon Institute: Cost of a Data Breach Study, 2019

Network Security

Course Overview

This course introduces the core security concepts and skills needed to configure and troubleshoot computer networks and help ensure the integrity of devices and data.

Benefits

Gain practical, hands-on skills to design, implement, and manage network security systems and ensure their integrity.

Prepare for Careers

- ✓ Build expertise in network security and data protection
- ✓ Develop skills for entry-level network security specialist roles
- ✓ Gain industry in-demand skills aligned with the National Institute for Standards and Technology (NIST) Cybersecurity Framework

Course Details

Target Audience: 2-year and 4-year college students in Networking or Engineering programs

Estimated Time to Completion: 70 hours

Recommended Preparation: Basic understanding of computer networks (CCNA: Introduction to Networks and CCNA: Switching, Routing, and Wireless Essentials, or equivalent)

Course Delivery: Instructor-led

Learning Component Highlights:

- ✓ 22 modules and 23 practice labs
- ✓ 22 Cisco Packet Tracer activities
- ✓ 87+ interactive activities, videos, and quizzes
- ✓ 1 final exam

Course Recognitions: Certificate of Completion, Letter of Merit, Digital Badge

Recommended Next Course: CyberOps Associate, IoT Security



Cybersecurity



Requirements & Resources

- **ASC Alignment Required:** Yes
- **Instructor Training Required:** Yes
- **Physical Equipment Required:** Yes
- **Discount Availability:** Not Applicable

Quick Links

[Course Page](#)

[Course Demos](#)

(Available for select courses)

[List of All Courses](#)

(Includes language availability)



Hands-on practice with
Cisco Packet Tracer



Valuable for many types of tech jobs

Gain critical security skills



- Network security impacts all industries: healthcare, food, transportation, smart cities, water, energy, and many more.
- This course teaches students the methods and tools of modern network security applied to IT and network operations, preparing them for entry-level network security positions.
- The Network Security course complements CCNA, CyberOps Associate, IoT Security, or DevNet Associate courses. Students can pursue a career in security and broaden their networking or software skills.

NetAcad Career Courses align to NIST Framework

Builds upon introductory courses:

Introduction to Cybersecurity
Cybersecurity Essentials

IoT Security

- Discovering Vulnerabilities
- Modeling Risk
- Suggest mitigations

Network Security

- Preventing Intrusions
- Hardening systems
- Securing, Implementing security policies



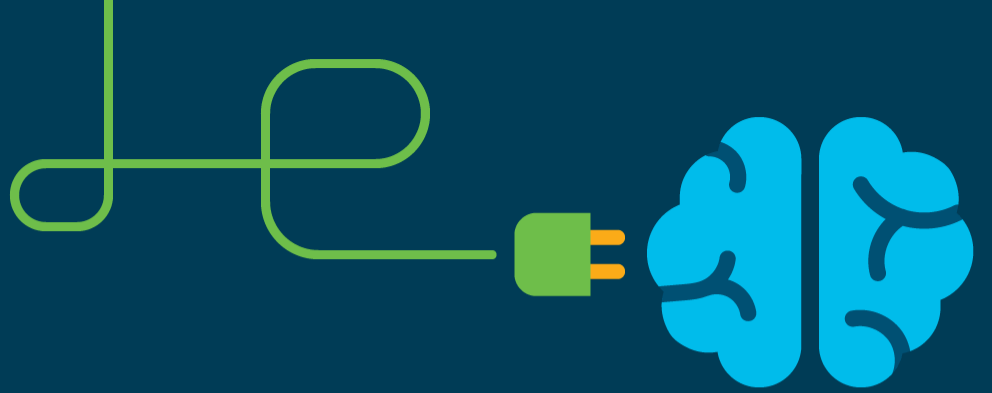
CyberOps Associate

- Detecting Intrusions
- Monitoring, analyzing
- First response



Gain a solid network security understanding

Module		Module Group Assessments
Module 1	Securing Networks	Securing Networks
Module 2	Network Threats	
Module 3	Mitigating Threats	
Module 4	Secure Device Access	
Module 5	Assign Administrative Roles	Monitoring and Managing Devices
Module 6	Device Monitoring and Management	
Module 7	Authentication, Authorization, and Accounting (AAA)	
Module 8	Access Control Lists	ACLs and Firewalls
Module 9	Firewall Technologies	
Module 10	Zone-Based Policy Firewalls	
Module 11	IPS Technologies	Intrusion Prevention
Module 12	IPS Operation and Implementation	
Module 13	Endpoint Security	Layer 2 and Endpoint Security
Module 14	Layer 2 Security Considerations	
Module 15	Cryptographic Services	Cryptography
Module 16	Basic Integrity and Authenticity	
Module 17	Public Key Cryptography	
Module 18	VPNs	VPNs
Module 19	Implement Site-to-Site IPsec VPNs with CLI	
Module 20	Introduction to the ASA	ASA
Module 21	ASA Firewall Configuration	
Module 22	Network Security Testing	



Contact us

Address:

1 Dungarvan West Road,
Borrowdale Harare, Zimbabwe

Call/App: +263 774 020 715

Email: info@lindnet.co.zw /
info@lindnet.ac.zw

Website: www.lindnet.ac.zw

