

Network Information Security (NIS)



Course Benefits:

This course improves practical relevant and job-ready skills for cybersecurity professionals by providing knowledge in two tracks:

Network security: Network Security provides the proficiency needed to create a robust security framework, identify network vulnerabilities and threats, and effectively counteract security risks.

Furthermore, the course places a strong emphasis on fundamental security technologies, including the installation, troubleshooting, and monitoring of network devices to ensure the integrity, confidentiality, and availability of data and devices. It also focuses on developing proficiency in the technologies utilized by Cisco in its security framework.

CyberOps Associate: This course will provide comprehensive training in Cybersecurity Operations, equipping participants with the essential information and abilities required to effectively manage the responsibilities and duties of an associate-level Security Analyst operating inside a Security Operations Center (SOC).

- The course will provide technical training on Cisco devices, the course will also be conducted by qualified CISCO instructors. The course will not be restricted to technical background but also will cover the theory of operation and design issues.

- The participant who will pass the course exam will get a certificate of attendance in two tracks (Network security and CyberOps Associate). Participants who pass the course exam will enjoy a 60% discount voucher for the CyberOps Associate international exam (200-201 CBROPS).

- The course will be taught in a hybrid way (online sessions and in class sessions).

Why
MIU Cisco
Academy?

Who Should Attend?

This course is designed for IT technicians and entry-level engineers seeking to advance their career in the network security field. Network specialists, network administrators, network engineers, system engineers, network support specialists, and network consultants could also attend the course. In addition, senior students of ECE and CS could attend the course to improve their skills for cybersecurity career.

Prerequisites

Applicants should be familiar with:

- Network Fundamentals
- Basic computer knowledge and basic Internet usage skills
- Basic operating system navigation skills

Course Content

Network Information Security course contains two parts:

Network Security part covers the following topics:

- Network Security Concepts.
- Implementing AAA.
- Layer 2 and LAN Security.
- Cryptography Concepts
- Intrusion Detection and Prevention Systems.
- Virtual Private Network (VPN) and ASA Firewall.

CyberOps associate part covers the following topics:

- Defining the Security Operations Center (SOC).
- Common TCP/IP Attacks.
- Endpoint Security Technologies.
- Attackers and Their Tools.
- Evaluating Alerts.
- SOC Metrics, Workflow and Automation.
- Digital Forensics and Incident Analysis and Response

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