

Why Learn CISCO CyberOps Associate CBROPS?

Develop the know-how to monitor, detect and respond to cybersecurity threats.

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.

Audience Profile :

- The CyberOps Associate course is designed for Cisco Networking Academy® students who are seeking career oriented, entry-level security analyst skills.
- Students pursuing a technical degree
- Current IT professionals
- Recent college graduates with a technical degree

Prerequisites:

- Familiarity with Ethernet and TCP/IP networking.
- Basic understanding of computer networks
- Binary and Hexadecimal understanding
- Familiarity with Cisco Packet Tracer
- Implementing and Administering Cisco Solutions (CCNA).



Course Overview:

- Develop the know-how to monitor, detect and respond to cybersecurity threats.
- 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.
- Uncovering cybercrime, cyber espionage, and other networking threats are just some of the exciting cybersecurity jobs spanning across every industry. Learn the skills to join this fast-growing field and take advantage of the opportunities found in security operation centers. Feel confident that you are helping make the world a safer place by pursuing a role in this field.
- In this course you will learn security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies procedures. This course also aligns with the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework to support consistent communication language for cybersecurity education, training, and workforce development.
- This course aligns with the Cisco Certified CyberOps Associate (CBROPS) certification.
- Candidates need to pass the 200-201 CBROPS exam to achieve the Cisco Certified CyberOps Associate certification.
- The CBROPS exam tests a candidate's knowledge and skills related to security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies and procedures.
- You'll Learn These Core Skills:
 - Deepen knowledge in how best to detect and respond to security incidents.
 - Gain job-ready, practical skills in cybersecurity operations.
 - Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
 - Prepare for Cisco Certified CyberOps Associate Certification.

CISCO CyberOps Associate CBROPS Outline:

- Defining the Security Operations Center
- Understanding Network Infrastructure and Network Security Monitoring Tools
- Exploring Data Type Categories
- Understanding Basic Cryptography Concepts
- Understanding Common TCP/IP Attacks
- Understanding Endpoint Security Technologies
- Understanding Incident Analysis in a Threat-Centric SOC
- Identifying Resources for Hunting Cyber Threats
- Understanding Event Correlation and Normalization
- Identifying Common Attack Vectors
- Identifying Malicious Activity
- Identifying Patterns of Suspicious Behavior
- Conducting Security Incident Investigations
- Using a Playbook Model to Organize Security Monitoring
- Understanding SOC Metrics
- Understanding SOC Workflow and Automation
- Describing Incident Response
- Understanding the Use of VERIS
- Understanding Windows Operating System Basics
- Understanding Linux Operating System Basics

Lab Outline

- Use NSM Tools to Analyze Data Categories
- Explore Cryptographic Technologies
- Explore TCP/IP Attacks
- Explore Endpoint Security
- Investigate Hacker Methodology
- Hunt Malicious Traffic
- Correlate Event Logs, Packet Captures (PCAPs), and Alerts of an Attack
- Investigate Browser-Based Attacks
- Analyze Suspicious Domain Name System (DNS) Activity
- Explore Security Data for Analysis
- Investigate Suspicious Activity Using Security Onion
- Investigate Advanced Persistent Threats
- Explore SOC Playbooks
- Explore the Windows Operating System
- Explore the Linux Operating System

Training Solutions:

- ✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.
- ✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

Why Learners Prefer CLS as their Training Services provider ?

- Premium Training Services Accredited from Global Technology Vendors.
- Best Rated Experts & Certified Trainers in Egypt.
- Official Training Hours, Practice Labs, Hands-on Learning.
- CLS Training Classrooms are designed with High Edge PCs and Training Facilities.
- Return on Training Investment is Guaranteed to boost performance.

