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# Cisco CyberOps Associate Certification Training

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

2 days (14 hours)

## Presentation

The Cisco CyberOps Associate™ certification will attest to your advanced expertise as a senior analyst. This certification will validate your skills.

With our Cisco CyberOps™ training you'll gain a deeper understanding of [cybersecurity operations](#). Strengthen your expertise to proactively protect, secure your devices, and excel in your role as a senior analyst.

The exam is made up of [several modules](#) including devices, operations and vulnerabilities of the TCP/IP-based network infrastructure. Allowing you to arm yourself for the challenges of IT security.

During our exam preparation course, we'll cover all the relevant points and give you all the tips you need to prepare for the exam.

You'll be able to fortify network protocols, secure your devices and optimize operational efficiency.

## Objectives

- Understanding the fundamentals of cybersecurity
- Mastering safety concepts
- Acquire expertise in safety monitoring
- Preparing for Cisco CyberOps Associate™ certification

## Target audience

- Cybersecurity Analyst
- SOC Analyst

## Prerequisites

- CCNA certification or knowledge of basic networking principles and local network construction
- Understand how Ethernet and TCP/IP networks work
- Proficiency in Windows & Linux operating systems

*Note: Ambient IT does not own Cisco Certifications™, this certification belongs to Cisco, Inc.*

## Cisco CyberOps Associate™ training program

### Introduction to Cybersecurity and basic concepts

- CIA (Confidentiality, Integrity, Availability)
- Security Deployments
  - Network, endpoint, and application security systems
  - Agentless and agent-based protections
  - Legacy antivirus, antimalware
  - SIEM, SOAR, log management
  - Cloud security deployments

### Security fundamentals and Access Control

- **Security Concepts**
  - Risk
  - Threat
  - Vulnerability
  - Exploit
- Access Control Models
  - Discretionary, mandatory, nondiscretionary access control
  - Authentication, authorization, accounting

### Data Visibility and Loss Prevention

- Data Visibility Challenges
  - Network, host, cloud visibility
- Data Loss Prevention
  - Identifying data loss from traffic profiles

### Security Monitoring

- Data type
  - TCP dump
  - NetFlow
  - Firewalls
  - Application control
- Using data for security monitoring
  - Full packet capture, session data, transaction data, statistical data, metadata, alert data

## Common cyber attacks

- Network Attacks
- Web Application Attacks
- Social Engineering Attacks
- Endpoint-based Attacks
- Evasion and Obfuscation Techniques
- Impact of Certificates on Security

## Intrusion analysis

- Extracting files from TCP streams
- Identification key elements
- Protocol headers
- Artifact elements

## Strategy and methods for exam success Mock

exam

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.