

# Understanding Cisco Cybersecurity Operations Fundamentals (CCNACBR) Training

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Understanding Cisco Cybersecurity Operations Fundamentals (CCNACBR, course v2.0) prepares associate-level analysts to work in a threat-centric security operations center. Cisco renamed this course from CBROPS in February 2026; the certification is now CCNA Cybersecurity and the exam remains 200-201.

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|----------------------------------|----------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|
| <b>LEVEL</b><br><b>Associate</b> | <b>DURATION</b><br><b>5 Days</b> | <b>EXPERIENCE</b><br><b>None (TCP/IP, Windows &amp; Linux basics recommended)</b> | <b>EXAM</b><br><b>200-201 CCNACBR (v1.2)</b> | <b>CERTIFICATION</b><br><b>CCNA Cybersecurity</b> |
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## Course Overview

You will learn security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies and procedures — the five domains of the 200-201 CCNACBR exam — and practice them across 13 hands-on labs.

## Course Outline

- 1. Security Operations
- 2. Security Principles
- 3. Access Control Models
- 4. Cloud Security Models
- 5. Cryptography for Security Operations
- 6. Windows OS Basics
- 7. Linux OS Basics
- 8. CLIs in Security
- 9. Network Protocols
- 10. Network Security Controls
- 11. IDS and IPS
- 12. Endpoint Security
- 13. Threat Actors
- 14. Cyber Kill Chain Model
- 15. MITRE ATT&CK Framework
- 16. Social Engineering Attacks

- 17. Network Attack Fundamentals
- 18. Advanced Threat Landscape
- 19. Network Security Monitoring (NSM) Data
- 20. Log Data Sources
- 21. NetFlow for Security Monitoring
- 22. Web Application Attacks
- 23. Advanced Log Analysis
- 24. Packet Capture and Forensics
- 25. Malware and Threat Intelligence
- 26. Security Information and Event Management (SIEM)
- 27. Security Orchestration, Automation, and Response (SOAR)
- 28. Extended Detection and Response (XDR)
- 29. Incident Response Planning
- 30. CSIRT Roles and Operations
- 31. Security Monitoring Playbooks
- 32. Threat Hunting Methodologies

## Intended Audience

Associate-level cybersecurity analysts working in security operations centres, and students or professionals moving into SOC analyst, incident responder and security operations roles.

## Prerequisites

There are no formal prerequisites. Cisco recommends familiarity with Ethernet and TCP/IP networking, working knowledge of the Windows and Linux operating systems, and familiarity with basic networking security concepts.

## Lab Outline

- 1. Explore Cryptographic Technologies
- 2. Explore the Windows Operating System
- 3. Explore the Linux Operating System
- 4. Explore Endpoint Security
- 5. Investigate Hacker Methodology
- 6. Explore TCP/IP Attacks
- 7. Investigate Advanced Persistent Threats
- 8. Use NSM Tools to Analyze Data Categories
- 9. Analyze Suspicious DNS Activity

- 10. Investigate Browser-based Attacks
- 11. Correlate Event Logs, PCAPs, and Alerts of an Attack
- 12. Explore SOC Playbooks
- 13. Hunt Malicious Traffic

**Ready to enroll?** Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.