Certified Cybersecurity Operations Analyst (CCOA) Training

Duration: **5 Day**

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Overview

ISACA's Certified Cybersecurity Operations Analyst (CCOA™) certification equips learners with the technical skills to evaluate threats, identify vulnerabilities, and design countermeasures to protect digital ecosystems. As emerging technologies such as AI-enabled automation continue to evolve, the demand for skilled cyber analysts is critical to safeguarding organisations.

This practical hands-on training develops the analytical and investigative expertise required to detect, respond to, and mitigate cybersecurity incidents. Learners will explore technology essentials, adversarial tactics and procedures, incident detection and response, and asset security through practical scenarios and applied learning. By building the ability to identify patterns, anomalies, and indicators of compromise, participants will strengthen their role as a vital component of their organisation's cybersecurity defence.

Prerequisites

The CCOA certification is recommended for cybersecurity professionals with 2–3 years of practical experience who wish to expand their technical capabilities and respond more effectively to evolving cyber threats. A useful pre-requisite for this course is the OffSec SEC-100 Security Essentials.

Target audience

This course is designed for:

- Cybersecurity analysts and operations professionals
- SOC analysts and incident responders
- IT and network administrators seeking to build security expertise
- Professionals responsible for cybersecurity governance, compliance, and risk management
- Early to mid-career practitioners aiming to enhance technical and operational skills

What You Will Learn

By the end of this course, learners will be able to:

- Identify the key components of computer and cloud networking, databases, and virtualised environments
- Understand cybersecurity governance and align security strategy with enterprise objectives
- Analyse adversarial tactics, techniques, and procedures to detect and respond to threats effectively
- Apply incident detection and response techniques, including forensic and malware analysis
- Recognise the significance of proactive incident preparedness and planning
- Design and recommend countermeasures to secure digital assets across industries
- Implement identity, access, and vulnerability management practices
- Apply best practices, frameworks, and standards to strengthen cybersecurity operations

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