



Consulting and Training | Reach New Heights

Course Name

CompTIA CySA+

Sector Name

Information Technology

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CompTIA CySA+

Course Introduction

The CompTIA Cybersecurity Analyst (CySA+) certification focuses on applying behavioral analytics to networks and devices to prevent, detect, and combat cybersecurity threats.

This training program provides participants with the theoretical knowledge and analytical skills needed to conduct threat analysis, interpret data, identify vulnerabilities, and respond effectively to incidents.

Covering the CySA+ exam domains, it prepares learners for cybersecurity roles that require proactive defence strategies in complex IT environments.

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Target Audience

- ✓ Cybersecurity analysts and SOC team members
- ✓ Network administrators and security engineers
- ✓ IT professionals seeking CySA+ certification
- ✓ Threat hunters and incident response specialists
- ✓ Information security consultants and auditors

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Learning Objectives

- ✓ Understand the CySA+ framework and exam objectives.
- ✓ Apply threat detection and analysis methodologies.
- ✓ Interpret and analyze network traffic data for anomalies.
- ✓ Identify and prioritize security vulnerabilities.
- ✓ Implement proactive defense measures based on analytics.
- ✓ Understand incident response procedures and best practices.
- ✓ Utilize tools for continuous monitoring and security assessment.
- ✓ Apply risk management concepts to security operations.
- ✓ Align security operations with compliance and policy requirements.
- ✓ Prepare effectively for the CompTIA CySA+ certification exam.

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Course Outline

✓ DAY 01

Threat Management

- ✓ Overview of cybersecurity threat landscape and CySA+ domains
- ✓ Understanding threat intelligence and its lifecycle
- ✓ Threat data and intelligence sources: internal and external
- ✓ Analysing indicators of compromise (IOCs)
- ✓ Threat classification models and frameworks (MITRE ATT&CK, Kill Chain)
- ✓ Using threat feeds and threat intelligence platforms
- ✓ Mapping threats to potential attack vectors
- ✓ Correlation of threat intelligence with organizational assets

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Course Outline

✓ Day 02

Vulnerability Management

- ✓ Concepts and importance of vulnerability management
- ✓ Vulnerability scanning methodologies and best practices
- ✓ Interpreting vulnerability scan results and reports
- ✓ Common vulnerabilities and exposures (CVEs)
- ✓ Prioritizing vulnerabilities using CVSS and risk-based scoring
- ✓ Patch management strategies and lifecycle
- ✓ Integrating vulnerability management into security operations
- ✓ Compliance implications of vulnerability management

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Course Outline

✓ Day 03

Security Operations and Monitoring

- ✓ Security information and event management (SIEM) fundamentals
- ✓ Log analysis for detecting anomalies and malicious activities
- ✓ Network monitoring and intrusion detection/prevention systems (IDS/IPS)
- ✓ Endpoint detection and response (EDR) concepts
- ✓ Behavioral analysis for proactive threat detection
- ✓ Automated alerts and incident prioritization
- ✓ Continuous monitoring strategies for various environments
- ✓ Challenges and limitations of monitoring tools

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Course Outline

✓ Day 04

Incident Response and Recovery

- ✓ Principles and phases of incident response
- ✓ Incident detection, analysis, and classification
- ✓ Containment strategies for security incidents
- ✓ Eradication and recovery procedures
- ✓ Post-incident analysis and reporting
- ✓ Legal and regulatory considerations in incident response
- ✓ Role of forensics in incident handling
- ✓ Coordination with internal and external stakeholders

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Course Outline

✓ Day 05

Compliance, Assessment, and Exam Preparation

- ✓ Understanding security-related regulatory requirements
- ✓ Aligning security operations with organizational policies
- ✓ Security risk assessment methodologies
- ✓ Security awareness and training for end-users
- ✓ Review of CySA+ exam objectives and domain weightings
- ✓ Common pitfalls and exam-taking strategies

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 21, 2026	Dec. 25, 2026	5 days	4250.00 \$	UAE , Dubai
Jan. 10, 2027	Jan. 14, 2027	5 days	4250.00 \$	Bahrain , Manama
Aug. 24, 2026	Aug. 28, 2026	5 days	5950.00 \$	switzerland , Geneva
April 6, 2026	April 10, 2026	5 days	4250.00 \$	UAE , Dubai

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