

CompTIA Cybersecurity Analyst (CySA+)

Overview

The CompTIA Cybersecurity Analyst (CySA+) course is the only intermediate high-stakes cybersecurity analyst with intrusion detection and response. The behavioral analytics skills covered by the CompTIA CySA+ certification identify and combat malware and advanced persistent threats (APTs), resulting in better threat visibility across a broad attack surface by focusing on network behavior, including an organization's interior network. CompTIA CySA+ meets the ISO 17024 standard and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is compliant with government regulations under the Federal Information Security Management Act (FISMA). Regulators and government rely on ANSI accreditation because it provides confidence and trust in the outputs of an accredited program.

Course Objectives

At the end of the course, students will be able to:

- Leverage intelligence and threat detection techniques
- Analyze and interpret data
- Identify and address vulnerabilities
- Suggest preventative measures
- Effectively respond to and recover from incidents

Duration

5 Days

Who Should Attend

This course is suited for these roles:

- IT Security Analyst
- Security Operations Center (SOC) Analyst
- Vulnerability Analyst
- Cybersecurity Specialist
- Threat Intelligence Analyst
- Security Engineer

Prerequisites

- CompTIA Network+
- CompTIA Security+

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Course Topics

Module 1	Explaining the Importance of Security Controls and Security Intelligence
Module 2	Utilizing Threat Data and Intelligence
Module 3	Analyzing Security Monitoring Data
Module 4	Collecting and Querying Security Monitoring Data
Module 5	Utilizing Digital Forensics and Indicator Analysis Techniques
Module 6	Applying Incident Response Procedures
Module 7	Applying Risk Mitigation and Security Frameworks
Module 8	Performing Vulnerability Management
Module 9	Applying Security Solutions for Infrastructure Management
Module 10	Understanding Data Privacy and Protection
Module 11	Applying Security Solutions for Software Assurance
Module 12	Applying Security Solutions for Cloud and Automation