

# CompTIA CySA+

CompTIA Cybersecurity Analyst (CySA+) is a certification for cyber professionals tasked with incident detection, prevention and response through continuous security monitoring.

## Set yourself apart with CompTIA CySA+

- **Proactively Monitor and Detect.** Demonstrate your skills in detecting and analyzing indicators of malicious activity using the most up-to-date methods and tools, such as threat intelligence, security information and event management (SIEM), endpoint detection and response (EDR) and extended detection and response (XDR).
- **Respond to Threats, Attacks and Vulnerabilities.** Prove your knowledge of incident response and vulnerability management processes and highlight the communication skills critical to security analysis and compliance.
- **Demonstrate Competency of Current Trends.** Valuable team members can show knowledge of current trends that affect the daily work of security analysts, such as cloud and hybrid environments.

## Prove your skills with CompTIA CySA+

### Validate the skills required for high-stakes cybersecurity analysis.

CySA+ is a global, vendor-neutral certification covering intermediate-level knowledge and skills required by information security analyst job roles. It helps identify a cybersecurity professional's ability to proactively defend an organization using secure monitoring, threat identification, incident response and teamwork. The CompTIA CySA+ CS0-003 certification exam ensures the candidate has the knowledge and skills required to:

- Detect and analyze indicators of malicious activity
- Understand threat hunting and threat intelligence concepts
- Use appropriate tools and methods to manage, prioritize and respond to attacks and vulnerabilities
- Perform incident response processes
- Understand reporting and communication concepts related to vulnerability management and incident response activities



Exam #

CS0-003

Release Date

June 6, 2023

Languages

English





CE Required?

Yes

Accreditation

Accredited by ANSI to show compliance with the ISO 17024 Standard.

## How does CompTIA CySA+ compare to alternatives?

		 EC-Council Certified Security Analyst		 Certified Information Systems Auditor An ISACA® Certification
<b>Certification</b>	<b>CompTIA CySA+</b>	<b>EC-Council Certified Security Analyst (ECSCA)</b>	<b>GIAC Continuous Monitoring Certification (GMON)</b>	<b>Certified Information Systems Auditor (CISA)</b>
<b>Performance-Based Questions</b>	Yes	No	No	No
<b>Vendor Neutral?</b>	Yes	Yes	Yes	Yes
<b>Experience Level</b>	Intermediate	Intermediate	Intermediate	Advanced
<b>Exam Focus</b>	Security analytics, intrusion detection and response	Pentesting methodology	Defensible security and continuous security monitoring	Auditing and vulnerability assessment
<b>Training Products</b>	Full suite of online test prep tools, LOT, books	Self-paced online, LOT, courseware, mobile toolkit	In-person training and online	Online review course and answers database, courseware

### Jobs that use CompTIA CySA+

- Security Analyst
- Security Operations Center (SOC) Analyst
- Incident Response Analyst
- Vulnerability Management Analyst
- Security Engineer

The great majority of candidates with IT certifications are more confident in their abilities (92%). Furthermore, most have more confidence to explore new job opportunities (81%).

#### **PearsonVUE**

2023 Value of IT Certification Candidate Report; 2021 Value of IT Certification Employer Report

## Technical skills covered in the certification and training

<p>Security Operations</p> <p><b>33%</b></p> <ul style="list-style-type: none"><li>• Explain the importance of system and network architecture concepts in security operations.</li><li>• Analyze indicators of potentially malicious activity.</li><li>• Use appropriate tools or techniques to determine malicious activity.</li><li>• Compare and contrast threat-intelligence and threat-hunting concepts.</li><li>• Explain the importance of efficiency and process improvement in security operations.</li></ul>	<p>Vulnerability Management</p> <p><b>30%</b></p> <ul style="list-style-type: none"><li>• Implement vulnerability scanning methods and concepts.</li><li>• Analyze output from vulnerability assessment tools.</li><li>• Analyze data to prioritize vulnerabilities.</li><li>• Recommend controls to mitigate attacks and software vulnerabilities.</li><li>• Explain concepts related to vulnerability response, handling and management.</li></ul>
<p>Incident Response Management</p> <p><b>20%</b></p> <ul style="list-style-type: none"><li>• Explain concepts related to attack methodology frameworks.</li><li>• Perform incident response activities.</li><li>• Explain the preparation and post-incident activity phases of the incident management lifecycle.</li></ul>	<p>Reporting and Communication</p> <p><b>17%</b></p> <ul style="list-style-type: none"><li>• Explain the importance of vulnerability management reporting and communication.</li><li>• Explain the importance of incident response reporting and communication.</li></ul>

Nearly all IT managers (97%) recognize the value certified professionals bring to the organization such as boosting productivity, helping to meet client requirements and closing organizational gaps.

**Skillsoft IT Skills & Salary Report 2022**

## Organizations that have contributed to the development of CompTIA CySA+

- Amazon Web Services
- Bank of Montreal (BMO)
- Booz Allen Hamilton
- Contentful
- Deloitte
- Fidelis Risk Advisory
- Fidelity Investments
- Five9
- General Dynamics IT (GDIT)
- L3Harris
- Microsoft
- Organon
- SecureWorks
- SenseOn
- University of Maryland
- U.S. Department of Defense
- U.S. Navy
- U.S. Navy Center for Information Dominance
- Visa
- Washington State Patrol
- Zoom
- 11:11 Systems

## Research and statistics

**Fastest-Growing Job Category** Information security analyst is one of the fastest growing U.S. job categories, with **35% growth expected between 2021 and 2031**.<sup>1</sup>

**Well-Paying Positions** Security analysts had a **median pay of \$103,000** in 2021 in the U.S.<sup>1</sup>

**Job Openings** On average, there are **over 30K job openings specifically looking for qualified cybersecurity analysts** in the United States every year. That number is matched by job openings looking for qualified and skilled penetration and vulnerability testers.<sup>2</sup>

---

### ✦ Strengthen defensive skills.

CompTIA CySA+ gives you and your team the most up-to-date skills required to confidently lead incident detection, prevention and response through continuous security monitoring.

### ✦ Boost productivity.

Know what skills are essential for cybersecurity analysis. Today's landscape requires teams to work together on building a solid incident response and vulnerability management process while adhering to compliance regulations.

### ✦ Get trained and certified by CompTIA.

First and foremost, we're an education company. CompTIA provides training and has awarded more than 3 million certifications in areas such as cybersecurity, networking, cloud computing and technical support.

<sup>1</sup> Bureau of Labor Statistics, Occupational Outlook 2023, Information Security Analysts

<sup>2</sup> Cyberseek 2023, Cybersecurity Analyst Career Pathway