

CySA+

Cybersecurity Analyst

For Government Agencies and Contractors

Strengthen your agency's use of behavioral analytics to combat malware, advanced persistent threats and more.



CompTIA Cybersecurity Analyst (CySA+)

empowers your employees to prevent, detect and combat cybersecurity threats through continuous security monitoring.

WHAT IS CySA+?

CompTIA CySA+ is an intermediate level 'blue team' cybersecurity certification. The exam validates candidates have the knowledge and skills to leverage intelligence and threat detection technique, analyze and interpret data, identify and address vulnerabilities, suggest preventative measures, and effectively respond to and recover from incidents.

WHY AN ANALYTICS-BASED APPROACH?

The average total cost of a data breach in the U.S. has grown from \$3.54 million in 2006 to \$8.19 million in 2019, a 130 percent increase over 14 years. As attackers have learned to evade traditional signature-based solutions, such as firewalls and anti-virus software, an analytics-based cybersecurity approach is increasingly important for agencies.

CySA+ seamlessly takes up where CompTIA Security+ ends, applying behavioral analytics to networks to identify and combat malware and APTs, resulting in an enhanced threat visibility across a broad attack surface. CySA+ validates a candidate's ability to proactively defend and continuously improve the security of an organization.

WHY CySA+?

CySA+ focuses on the candidate's ability to not only proactively capture, monitor, and respond to network traffic findings, but also emphasizes software and application security, automation, threat hunting, and IT regulatory compliance, which affects the daily work of security analysts.

CySA+ covers the most up-to-date core security analyst skills and upcoming job skills used by threat intelligence analysts, application security analysts, compliance analysts, incident responders/handlers, and threat hunters, bringing new techniques for combating threats inside and outside of the Security Operations Center (SOC).

WHO IS CySA+ FOR?

CySA+ is for government IT workers and contractors that want to apply behavioral analytics to negate network threats, and secure and protect applications and systems.

CySA+ is accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M for the five job roles listed to the right.

DoD APPROVED 8140/8570 BASELINE CERTIFICATIONS

IAT Level II

CompTIA Security+
CompTIA CySA+
CCNA
GICSP
GSEC
SSCP

CSSP Analyst

CompTIA Cloud+
CompTIA CySA+
CompTIA PenTest+
CEH
CFR
GCIA
GCIH
GICSP
SCYBER

CSSP Infrastructure Support

CompTIA Cloud+
CompTIA CySA+
CEH
GICSP
SSCP

CSSP Incident Responder

CompTIA CySA+
CompTIA PenTest+
CEH
CFR
GCFA
GCIH
SCYBER

CSSP Auditor

CompTIA CySA+
CompTIA PenTest+
CEH
CISA
GSNA

CySA+ Domains and Percentage of Exam Content:

Threat and Vulnerability Management	Software and Systems Security	Security Operations and Monitoring	Incident Response	Compliance and Assessment
22%	18%	25%	22%	13%

CompTIA CySA+® Certification for Government Agencies and Contractors



Organizations that certify staff with CySA+:

- U.S. Department of Defense
- U.S. Department of Veterans Affairs
- U.S. Navy
- Splunk
- Netflix
- Target
- Integra
- Dell SecureWorks
- Northrop Grumman
- BlackNight Cyber Security International

Job Roles Include:

- Security analyst
- Threat intelligence analyst
- Security engineer
- Application security analyst
- Incident response or handler
- Compliance analyst
- Threat hunter

Verified Security Analyst Skills

CySA+ is a vendor-neutral certification for IT professionals looking to gain IT security analyst skills, and for those following CompTIA's recommended skills pathway to achieve cybersecurity mastery. Along with CompTIA PenTest+, CySA+ provides a bridge from CompTIA Security+ to CompTIA Advanced Security Practitioner (CASP+).

As part of the CompTIA Continuing Education program, CySA+ certification is valid for three years from exam pass date and can be renewed through pre-approved renewal options. CySA+ includes multiple-choice and performance-based questions that require each individual to perform in a simulated environment. While there is no prerequisite, CySA+ is intended to follow CompTIA Security+ or equivalent experience and has a technical, hands-on focus.

CySA+ certified candidates have the knowledge and skills 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

STEPS TO GETTING CySA+ CERTIFIED:



1. Choose a training option.

Prepare with instructor-led training, books, e-learning, practice labs, boot camps, and more.
CompTIA.org/training



2. Get familiar with the exam.

Download the exam objectives.
CompTIA.org/certifications/cybersecurity-analyst



3. Test.

Pearson VUE has two options to register for and take the CySA+ exam. You can locate the testing center nearest you or you can take your exam online with OnVUE online proctored testing.
CompTIA.org/testing



The U.S. Bureau of Labor Statistics predicts that information security analysts will be the fastest-growing job category, with **32%** overall growth between 2018 and 2028.

It is recommended that CompTIA CySA+ candidates have Network+, Security+ or equivalent knowledge and a minimum of 4 years of hands on experience in a technical cybersecurity job role.

Learn more about CySA+ at **CompTIA.org/certifications/cybersecurity-analyst**



CompTIA is the world's largest provider of vendor-neutral certifications. CompTIA certifications are developed with the support of leading technology companies and organizations and validated by industry experts around the world.