CERTIFICATION GUIDE

CompTIA CASP+

What is it?

CompTIA Advanced Security Practitioner (CASP+) is the ideal certification for those technical professionals who wish to remain immersed in technology as opposed to managing cybersecurity policy and frameworks.

Why is it different?

CASP+ is the only hands-on, performance-based certification for practitioners – not managers – at the advanced skill level of cybersecurity. While cybersecurity managers help identify what cybersecurity policies and frameworks could be implemented, CASP+ certified professionals figure out how to implement solutions within those policies and frameworks.

About the exam

The CASP+ certification validates advanced-level competency in risk management; enterprise security operations and architecture; research and collaboration; and integration of enterprise security.

Successful candidates will have the knowledge required to:

- Conceptualize, engineer, integrate and implement secure solutions across complex enterprise environments to build resilient networks
- Apply critical thinking and judgment across a broad spectrum of security disciplines to propose and implement sustainable security solutions that map to organizational strategies
- Translate business needs into security requirements
- Analyze risk impact
- Supervise and respond as team lead to security incidents

Exam #	CAS-003
Release Date	April 2018
Languages	English
CE Required?	Yes
Accreditation	Accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M.

What’s in this version?

CompTIA is updating CASP+ in 2018 to continue to address current risks and incident response scenarios inherent with cyber warfare, modern hacking techniques and cloud migration. A sample of changes include:

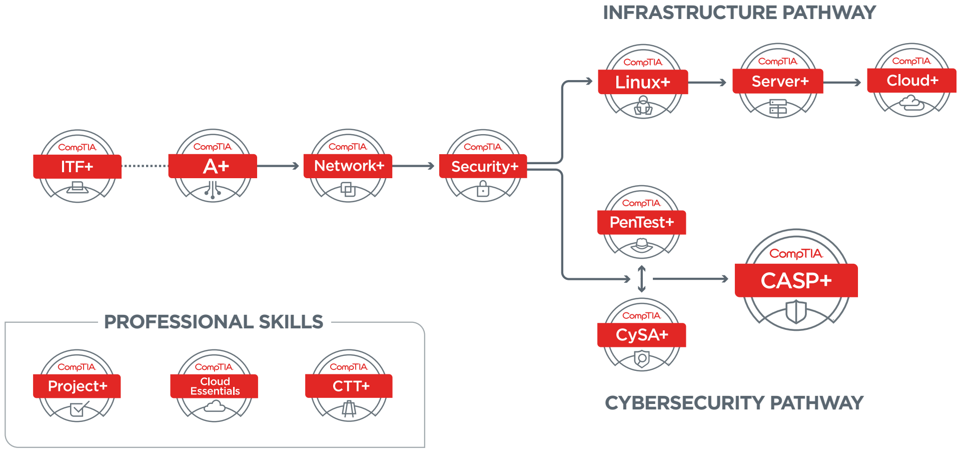
- Enterprise Security domain expanded to include operations and architecture concepts, techniques, and requirements
- More emphasis on analyzing risk through interpreting trend data and anticipating cyber defense needs to meet business goals
- Expanding security control topics to include Mobile and small form factor devices, as well as software vulnerability
- Broader coverage of integrating cloud and virtualization technologies into a secure enterprise architecture
- Inclusion of implementing cryptographic techniques, such as Blockchain- Cryptocurrency and Mobile device encryption

How does CASP+ Compare to Alternatives?

	CompTIA CASP+	CISSP Certified Information Systems Security Professional	GCED	CISM Certified Information Security Manager
Certification	**CASP+**	**(ISC)2 Certified Information Systems Security Professional (CISSP)**	**GIAC Certified Enterprise Defender (GCED)**	**ISACA Certified Information Security Manager (CISM)**
Performance-based Questions	Yes	No	No	No
Exam Length	90 questions, 165 minutes	250 questions, 6 hours	115 questions, 3 hours	150 questions, 4 hours
Experience Level	Advanced	Advanced	Advanced	Advanced
Exam Focus	Cybersecurity Practitioner Skills	Cybersecurity Management Skills	Cybersecurity Practitioner Skills	Cybersecurity Management Skills
Pre-requisites	Recommend 10 years of IT administration, including 5 years hands-on, technical security experience.	Documented proof of minimum 5 years full time IT work experience.	None. However, students should be aware of the technical level required for the certification.	Documented proof of minimum 5 years IS work experience in three or more of the job practice analysis areas.

CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to support and manage IT cybersecurity. Enter where appropriate for you. Consider your experience and existing certifications or course of study.



Top CASP+ Job Roles

- Security Architect
- Security Engineer
- Application Security Engineer
- Technical Lead Analyst

Technical Areas Covered in the Certification

Risk Management 19%

- Summarize business and industry influences and associated security risks
- Compare and contrast security, privacy policies and procedures based on organizational requirements
- Given a scenario, execute risk mitigation strategies and controls
- Analyze risk metric scenarios to secure the enterprise

Enterprise Security Architecture 25%

- Analyze a scenario and integrate network and security components, concepts and architectures to meet security requirements
- Implement security controls for host, mobile and small form factor devices
- Given software vulnerability scenarios, select appropriate security controls

Enterprise Security Operations 20%

- Given a scenario, conduct a security assessment using the appropriate methods
- Analyze a scenario or output, and select the appropriate tool for a security assessment
- Given a scenario, implement incident response and recovery procedures

Technical Integration of Enterprise Security 23%

- Given a scenario, integrate hosts, storage, networks and applications into a secure enterprise architecture
- Integrate cloud and virtualization technologies into a secure enterprise architecture
- Troubleshoot advanced authentication technologies to support enterprise security objectives
- Given a scenario, implement cryptographic techniques

Research, Development and Collaboration 13%

- Given a scenario, apply research methods to determine industry trends and their impact to the enterprise
- Implement security activities across the technology life cycle
- Explain the importance of interaction across diverse business units to achieve security goals

Organizations that use CompTIA CASP+

- Verizon Telematics
- US Navy
- US Army
- Network Solutions, LLC
- One Source Technologies Inc.
- Booz Allen Hamilton Inc.

Research and Statistics

Job Growth

Cybersecurity jobs are predicted to grow more than five times the national average through 2022.[1]

Growing Priority

About **8 in 10 managers responsible for security** at their firms across 12 countries covered in CompTIA's *International Trends in Cybersecurity* expect security to become an even higher priority over the next two years.[2]

Learn with CompTIA

Official CompTIA Content is the only study material exclusively developed by CompTIA for the CompTIA certification candidate; no other content library covers all exam objectives for all certifications. CompTIA eBooks and CertMaster Products have been developed with our Official CompTIA Content to help you prepare for your CompTIA certification exams with confidence. Learners now have everything they need to learn the material and ensure they are prepared for the exam and their career.

Whether you are just starting to prepare and need comprehensive training with CertMaster Learn, need a final review with CertMaster Practice, or need to renew your certification upon expiration with CertMaster CE, CertMaster's online training tools have you covered.

* What does it mean to be a "high stakes" exam?

An extraordinarily high level of rigor is employed in developing CompTIA certifications. Each question created for a CompTIA exam undergoes multiple layers of quality assurance and thorough psychometric statistical validation, ensuring CompTIA exams are highly representative of knowledge, skills and abilities required of real job roles. This is why CompTIA certifications are a requirement for many professionals working in technology. Hiring managers and candidates alike can be confident that passing a CompTIA certification exam means competence on the job. This is also how CompTIA certifications earn the ANSI/ISO 17024 accreditation, the standard for personnel certification programs. Over 1.3 million CompTIA ISO/ANSI-accredited exams have been delivered since January 1, 2011.

* What does it mean to be a "vendor-neutral" exam?

All CompTIA certification exams are vendor-neutral. This means each exam covers multiple technologies, without confining the candidate to any one platform. Vendor-neutrality is important because it ensures IT professionals can perform important job tasks in any technology environment. IT professionals with vendor-neutral certifications can consider multiple solutions in their approach to problem-solving, making them more flexible and adaptable than those with training in just one technology.

* What is a Performance Certification?

CompTIA performance certifications validate the skills associated with a particular job or responsibility. They include simulations that require the test taker to demonstrate multi-step knowledge to complete a task. CompTIA has a higher ratio of these types of questions than any other IT certifying body.

[1] Bureau of Labor Statistics, Occupational Outlook 2015
[2] CompTIA International Trends in Cybersecurity, April 2016