

## CompTIA Advanced Security Practitioner (CASP+) Exam Code CAS-004

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### Course Summary

#### Description

CASP+ is an advanced-level cybersecurity certification covering technical skills in security architecture and senior security engineering in traditional, cloud, and hybrid environments, governance, risk, and compliance skills, assessing an enterprise's cybersecurity readiness, and leading technical teams to implement enterprise-wide cybersecurity solutions. Successful candidates will have the knowledge required to:

- Architect, engineer, integrate, and implement secure solutions across complex environments to support a resilient enterprise
- Use monitoring, detection, incident response, and automation to proactively support ongoing security operations in an enterprise environment
- Apply security practices to cloud, on-premises, endpoint, and mobile infrastructure, while considering cryptographic technologies and techniques
- Consider the impact of governance, risk, and compliance requirements throughout the enterprise

CASP+ is compliant with ISO 17024 standards and approved by the US DoD to meet directive 8140/8570.01-M requirements. Regulators and government rely on ANSI accreditation, because it provides confidence and trust in the outputs of an accredited program.

#### Topics

- Perform Risk Management Activities
- Summarizing Governance & Compliance Strategies
- Implementing Business Continuity & Disaster Recovery
- Identifying Infrastructure Services
- Performing Software Integration
- Explain Virtualization, Cloud and Emerging Technology
- Exploring Secure Configurations and System Hardening
- Understanding Security Considerations of Cloud and Specialized Platforms
- Implementing Cryptography
- Implementing Public Key Infrastructure (PKI)
- Architecting Secure Endpoints
- Summarizing IIoT & IoT Concepts
- Appendix A: Mapping Course Content to CompTIA CASP+ (CAS-004)

#### Audience

CompTIA Advanced Security Practitioner (CASP+) is an advanced-level cybersecurity certification for security architects and senior security engineers charged with leading and improving an enterprise's cybersecurity readiness.

CASP+ is 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.

#### Prerequisites

To be fit for this advanced course, you should have at least a foundational knowledge of information security. You can obtain this level of knowledge by taking the CompTIA Security+ course. You may also demonstrate this level of knowledge by passing the Security+ exam.

#### Duration

Five days