



**HEROTEC**  
NETWORK PROFESSIONAL TRAINING

## **CompTIA CASP+ CAS-004 Course Outline**

### **Target Audience & Job Roles:**

- Security Architect
- Senior Security Engineer
- SOC Manager
- Security Analyst
- IT Cybersecurity Specialist/INFOSEC Specialist
- Cyber Risk Analyst

## Course Objectives

- 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.
- CompTIA CASP+ (CAS-004) is an advanced-level cybersecurity certification for security architects and senior security engineers charged with leading and improving an enterprise's cybersecurity readiness.
- CASP+ covers the technical knowledge and skills required to architect, engineer, integrate, and implement secure solutions across complex environments to support a resilient enterprise while considering the impact of governance, risk, and compliance requirements.
- This course is for IT candidates preparing to take the CompTIA CASP + certification exam EXAM CAS-004

## Technical Areas Covered:

- Security Architecture
- Security Operations
- Security Engineering and Cryptography
- Governance, Risk, and Compliance
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## Skills & Knowledge

- 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 + Course Benefits:

- The CASP+ exam includes broader coverage of integrating cloud and virtualization technologies into a secure enterprise architecture.
- CASP+ qualifies the advanced skills required of senior level security professionals and prepares them to lead and improve an agency's overall cybersecurity resiliency against the next attack.
- CASP+ is compliant with ISO 17024 standards and approved by the U.S. Dept. of Defense to meet directive 8570.01-M/8140 requirements. CASP+ gets you compliant with DoD 8570.01- M/8140 IAT III, IAM II, IASAE I and II job roles. CASP+ is chosen by defense organizations to fulfill DoD 8570.01-M/8140 compliance for security architects and senior security engineers who want to remain immersed in technology, with an advanced understanding of policies and regulatory issues. CASP+ certification proves an IT security professional has kept their hands-on skills current.

## Herotec Training Key Features

- Certified Trainers
- Official Courseware
- Course Knowledge setup to ensure "Learn by Doing"
- Downloadable files, links and checklists & more resources
- Affordable prices
- Flexibility

## About the exam:

- Required exam: CAS-004
- Number of questions: Maximum of 90
- Types of questions: Multiple-choice
- Exam duration: 165 minutes
- Recommended experience: [Network+](#), [Security+](#), [CySA+](#), [Cloud+](#), and [PenTest+](#) or equivalent knowledge
- Passing score: Pass/Fail only — no scaled score

## Course Outlines:

Lesson 1: Perform Risk Management Activities

Lesson 2: Summarizing Governance & Compliance Strategies

Lesson 3: Implementing Business Continuity & Disaster Recovery

Lesson 4: Identifying Infrastructure Services

Lesson 5: Performing Software Integration

Lesson 6: Explain Virtualization, Cloud and Emerging Technology

Lesson 7: Exploring Secure Configurations and System Hardening

Lesson 8: Understanding Security Considerations of Cloud and Specialized Platforms

Lesson 9: Implementing Cryptography

Lesson 10: Implementing Public Key Infrastructure (PKI)

Lesson 11: Architecting Secure Endpoints

Lesson 12: Summarizing IIoT & IoT Concepts

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