

## CO-CASP



# COMPTIA ADVANCED SECURITY PRACTITIONER

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
5 Days	Advanced	Cybersecurity	Instructor Led	NA

## INTRODUCTION

CompTIA Advanced Security Practitioner (CASP+) is the ideal certification for technical professionals who wish to remain immersed in technology as opposed to strictly managing. 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. The CompTIA Advanced Security Practitioner certification validates advanced-level competency in risk management, enterprise security operations and architecture, research and collaboration, and integration of enterprise security.

## AUDIENCE PROFILE

This course is designed for IT professionals in the cybersecurity industry whose primary job responsibility is to secure complex enterprise environments. The target student should have real-world experience with the technical administration of these enterprise environments. The target audience includes the following:

- Cyber Security/IS Professionals
- Information Security Analysts
- Security Architects
- IT Specialist
- Cybersecurity Risk Managers
- Cybersecurity Risk Analysts

## PREREQUISITES

Before attending this course, delegates must have achieved the following requirements:

- A minimum of ten years of experience in IT administration, including at least five years of hands-on technical security experience.
- While there is no required prerequisite, CASP+ certification is intended to follow Security+ and CySA+ or equivalent experience.

## COURSE OBJECTIVES

After completing the CompTIA CASP+ course, delegates will have the skills and knowledge to:

- 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 defence 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

## COURSE CONTENT

### Lesson 1: Supporting IT Governance and Risk Management

- Identify the Importance of IT Governance and Risk Management
- Assess Risk
- Mitigate Risk
- Integrate Documentation into Risk Management

### Lesson 2: Leveraging Collaboration to Support Security

- Facilitate Collaboration Across Business Units
- Secure Communications and Collaboration Solutions

### Lesson 3: Using Research and Analysis to Secure the Enterprise

- Determine Industry Trends and Their Effects on the Enterprise
- Analyze Scenarios to Secure the Enterprise

### Lesson 4: Integrating Advanced Authentication and Authorization Techniques

- Implement Authentication and Authorization Technologies
- Implement Advanced Identity and Access Management

### Lesson 5: Implementing Cryptographic Techniques

- Select Cryptographic Techniques
- Implement Cryptography

### Lesson 6: Implementing Security Controls for Hosts

- Select Host Hardware and Software

- Harden Hosts
- Virtualize Servers and Desktops
- Protect Boot Loaders

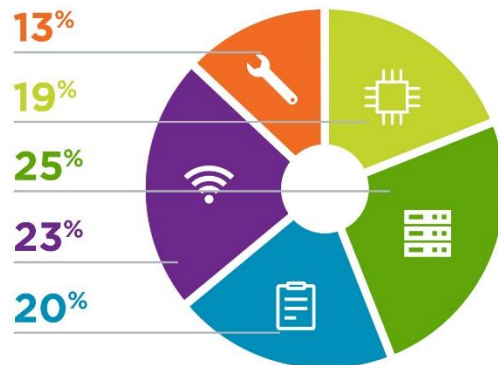
### Lesson 7: Implementing Security Controls for Mobile Devices

- Implement Mobile Device Management
- Address Security and Privacy Concerns for Mobile Devices

### Lesson 8: Implementing Network Security

- Plan Deployment of Network Security Components and Devices
- Plan Deployment of Network-Enabled Devices
- Implement Advanced Network Design
- Implement Network Security Control

## SKILLS AND COMPETENCIES COVERED



## ASSOCIATED CERTIFICATIONS & EXAM

This course is designed to prepare students to take the CompTIA CASP CAS-003 Exam. Successfully passing this exam will result in the achievement of the CompTIA Advanced Security Practitioner Certification.