

**Module Title** : **Course CompTIA Advanced Security Practitioner (CASP)**

**Duration** : **5 days**

## What You'll Learn

- Support IT governance in the enterprise with an emphasis on managing risk
- Leverage collaboration tools and technology to support enterprise security
- Use research and analysis to secure the enterprise
- Integrate advanced authentication and authorization techniques
- Implement cryptographic techniques, security controls for hosts, security controls for mobile devices, implement network security, and security in the systems and software development lifecycle.
- Integrate hosts, storage, networks, applications, virtual environments, and cloud technologies in a secure enterprise architecture
- Conduct security assessments
- Respond to and recover from security incidents.

## Audience

This course is targeted toward an IT Professional that has the technical knowledge and skills required to conceptualize, design, and engineer secure solutions across complex enterprise environments. Students should have a minimum of 10 years experience including at least 5 years of hands-on technical security experience.

## Prerequisites

CompTIA CASP+ is aimed at IT Professionals with a minimum of ten years of experience in IT administration, including at least five years of hands-on technical security experience.

## Course Outline

- Lesson 1: Supporting IT Governance and Risk Management
- Lesson 2: Leveraging Collaboration to Support Security
- Lesson 3: Using Research and Analysis to Secure the Enterprise
- Lesson 4: Integrating Advanced Authentication and Authorization Techniques
- Lesson 5: Implementing Cryptographic Techniques
- Lesson 6: Implementing Security Controls for Hosts
- Lesson 7: Implementing Security Controls for Mobile Devices
- Lesson 8: Implementing Network Security
- Lesson 9: Implementing Security in the Systems and Software Development Lifecycle
- Lesson 10: Integrating Assets in a Secure Enterprise Architecture

- Lesson 11: Conducting Security Assessments
- Lesson 12: Responding to and Recovering from Incidents
- Appendix A: Mapping Course Content to CompTIA CASP Certification Exam CAS-003
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