# CompTIA Advanced Security Practitioner CASP+

## Course Outline

**Module 1: Performing Risk Management Activities**
- Explain Risk Assessment Methods
- Summarize the Risk Life Cycle
- Assess and Mitigate Vendor Risk

**Module 2: Governance and Compliance Strategies**
- Identifying Critical Data Assets
- Compare and Contrast Regulation, Accreditation, and Standards
- Explain Legal Considerations and Contract Types

**Module 3: Implementing Business Continuity and Disaster Recovery**
- Explain the Role of Business Impact Analysis
- Assess Disaster Recovery Plans
- Explain Testing and Readiness Activities

**Module 4: Identifying Infrastructure Services**
- Explain Critical Network Services
- Explain Defensible Network Design
- Implement Durable Infrastructures

**Module 5: Performing Software Integration**
- Explain Secure Integration Activities
- Assess Software Development Activities
- Analyze Access Control Models and Best Practices
- Analyze Development Models and Best Practices

**Module 6: Virtualization, Cloud, and Emerging Technology**
- Explain Virtualization and Cloud Technology
- Explain Emerging Technologies

**Module 7: Exploring Secure Configurations and System Hardening**
- Analyze Enterprise Mobility Protections
- Implement Endpoint Protection

**Module 8: Security Considerations of Cloud and Specialized Platforms**
- Understand Impacts of Cloud Technology Adoption
- Explain Security Concerns for Sector-Specific Technologies

**Module 9: Implementing Cryptography**
- Implementing Hashing and Symmetric Algorithms
- Implementing Appropriate Asymmetric Algorithms and Protocols

**Module 10: Implementing Public Key Infrastructure (PKI)**

- Analyze Objectives of Cryptography and Public Key Infrastructure (PKI)
- Implementing Appropriate PKI Solutions

**Module 11: Threat and Vulnerability Management Activities**

- Explore Threat and Vulnerability Management Concepts
- Explain Vulnerability and Penetration Test Methods
- Explain Technologies Designed to Reduce Risk

**Module 12: Developing Incident Response Capabilities**

- Analyzing and Mitigating Vulnerabilities
- Identifying and Responding to Indicators of Compromise
- Exploring Digital Forensic Concepts