

Certified Cloud Security Professional (CCSP)

Course Outline

Cloud Concepts, Architecture and Design

Understand Cloud Computing Concepts
Describe Cloud Reference Architecture
Understand Security Concepts Relevant to Cloud Computing
Understand Design Principles of Secure Cloud Computing
Evaluate Cloud Service Providers

Domain 2: Cloud Data Security

Describe Cloud Data Concepts
Design and Implement Cloud Data Storage Architectures
Design and Apply Data Security Technologies and Strategies
Implement Data Discovery
Implement Data Classification
Design and Implement Information Rights Management (IRM)
Plan and Implement Data Retention, Deletion and Archiving Policies
Data Events

Domain 3: Cloud Platform and Infrastructure Security

Comprehend Cloud Infrastructure Components
Design a Secure Data Center
Analyze Risks Associated with Cloud Infrastructure
Design and Plan Security Controls
Plan Disaster Recovery (DR) and Business Continuity (BC)

Domain 4: Cloud Application Security

Advocate Training and Awareness for Application Security
Describe the Secure Software Development Life Cycle (SDLC) Process
Apply the Secure Software Development Life Cycle (SDLC)
Apply Cloud Software Assurance and Validation
Use Verified Secure Software
Comprehend the Specifics of Cloud Application Architecture
Design Appropriate Identity and Access Management (IAM) Solutions

Domain 5: Cloud Security Operations

Implement and Build Physical and Logical Infrastructure for Cloud
Operate Physical and Logical Infrastructure for Cloud Environment
Manage Physical and Logical Infrastructure for Cloud Environment
Implement Operational Controls and Standards

Support Digital Forensics

Manage Communication with Relevant Parties

Manage Security Operations

Domain 6: Legal, Risk, and Compliance

Topic 6.1: Articulate Legal Requirements and Unique Risks within the Cloud
Topic 6.2: Understand Privacy Issues
Topic 6.3: Understand Audit Process, Methodologies, and Required Adaptations
Topic 6.4: Understand Implications of Cloud to Enterprise Risk Management
Topic 6.5: Understand Outsourcing and Cloud Contract Design