



Cognixia

A Collabera LEARNING SOLUTIONS COMPANY

Cyber Security Course Outline

Domain 1: Architectural Concepts and Design Requirements

- Understand cloud computing concepts
- Describe cloud reference architecture
- Understand security concepts relevant to cloud computing
- Understand design principles of secure cloud computing
- Identify trusted cloud services

Domain 2: Cloud Data Security

- Understand Cloud Data Life Cycle
- Build Logical Infrastructure for Cloud Environment
- Run Logical Infrastructure for Cloud Environment
- Manage Logical Infrastructure for Cloud Environment
- Ensure Compliance with Regulations and Controls
- Conduct Risk Assessment to Logical and Physical Infrastructure
- Understand the Collection and Preservation of Digital Evidence
- Manage Communications with Relevant Parties Domain

Domain 3: Cloud Platform Infrastructure Security

- Comprehend Cloud Infrastructure Comp
- Analyze Risks Associated to Cloud Infrastructure
- Design and Plan Security Controls
- Plans Disaster Recovery & Business Continuity Management

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

Domain 5: Operations

- Support the Planning Process for the Data Center Design
- Implement and Build Physical Infrastructure for Cloud Environment
- Run Physical Infrastructure for Cloud Environment
- Manage Physical Infrastructure for Cloud Environment
- Build Logical Infrastructure for Cloud Environment
- Run Logical Infrastructure for Cloud Environment
- Manage Logical Infrastructure for Cloud Environment
- Ensure Compliance with Regulations and Controls
- Conduct Risk Assessment to Logical and Physical Infrastructure
- Understand the Collection and Preservation of Digital Evidence
- Manage Communications with Relevant Parties Domain

Domain 6: Legal and Compliance

- Understand Legal Requirements and Unique Risks Within the Cloud Environment
- Understand Privacy Issues, Including Jurisdictional Variances
- Understand Audit Process, Methodologies, and Required Adaptions for a Cloud Environment
- Understand Implication of Cloud to Enterprise Risk Management
- Understand Outsourcing and Cloud Contract Design
- Execute Vendor Management