

# BCS Practitioner Certificate in Information Assurance Architecture Course

**Course Duration : 40 Hours**

**Course code : BCS-IAA-501**

## 1. Course Overview

The BCS Practitioner Certificate in Information Assurance Architecture Course is designed to provide professionals with advanced knowledge of designing secure and resilient information systems. This course focuses on building robust information assurance frameworks that ensure data confidentiality, integrity, and availability across organizational IT infrastructures.

## 2. What you'll learn?

- Fundamentals of information assurance and security architecture
- Designing secure IT systems and infrastructure
- Risk assessment and security control implementation
- Governance, compliance, and security frameworks
- Managing threats, vulnerabilities, and risks
- Preparation for BCS Practitioner certification exam

## 3. Target Audience

- Information security professionals
- Security architects and consultants
- IT managers and system administrators
- Risk and compliance professionals
- Cybersecurity specialists

## 4. Pre-Requisites

- Basic knowledge of information security concepts
- Understanding of IT infrastructure and networks
- Experience in cybersecurity or IT (recommended)
- BCS Foundation certification (preferred but not mandatory)

## 5. Course Content (Modules)

### **Module 1: Introduction to Information Assurance Architecture**

- Core principles of information assurance
- Security architecture concepts
- CIA triad (Confidentiality, Integrity, Availability)

### **Module 2: Risk Assessment & Business Impact Analysis**

- Identifying risks and threats
- Conducting Business Impact Analysis (BIA)
- Evaluating critical business functions

### **Module 3: Security Controls & Implementation**

- Technical and administrative controls
- Identity and access management
- Network and application security

### **Module 4: Governance, Compliance & Standards**

- Security governance frameworks
- Regulatory requirements and standards (ISO, NIST)
- Compliance and auditing

## Module 5: Case Studies & Certification Preparation

- Real-world architecture scenarios
- Best practices in information assurance
- BCS Practitioner exam preparation

