

# Certificate in Cybersecurity Analysis (IIBA® - CCA)

## **1: Cybersecurity Overview and Basic Concepts**

- 1.1 General Awareness: Understands the role of Business Analysis in Cybersecurity
- 1.2 Practical Knowledge: Follows Rules to conduct a stakeholder analysis
- 1.3 Practical Knowledge: Follows Rules using existing documentation to draft a RACI for a Cybersecurity project or program initiative
- 1.4 General Awareness: Understands how to locate the organization's security framework or model, or know that one does not yet exist
- 1.5 General Awareness: Understands what an Information Security Management System (ISMS) is and its objective
- 1.6 General Awareness: Understands what data privacy is
- 1.7 General Awareness: Understands the difference between an internal and external audit.
- 1.8 Practical Knowledge: Follows Rules and knows the difference between compliance and best practice

## **2: Enterprise Risk**

- 2.1 General Awareness: Understands what a cyber risk is
- 2.2 General Awareness: Basic Knowledge of what a Cybersecurity Risk Assessment is
- 2.3 Practical Knowledge: Follows Rules for the inputs to a Business Case that BAs are typically responsible for
- 2.4 General Awareness: Understands what Disaster Recovery Plans and Business Continuity Plans are
- 2.5 Practical Knowledge: Follows Rules to develop a business process flow diagram, and identify steps along the path that present potential cybersecurity vulnerabilities

## **3: Cybersecurity Risks and Controls**

- 3.1 General Awareness: Understands what Cybersecurity Controls are and where to find various versions
- 3.2 General Awareness: Understands the three attributes of secure information: confidentiality, integrity and availability
- 3.3 General Awareness: Understands the difference between a cyber threat and a cyber vulnerability

3.4 Practical Knowledge: Follows Rules to identify typical impacts of a cyber-attack to an organization

#### **4: Securing the Layers**

4.1 General Awareness: Understands that there are multiple layers of technology to protect

4.2 General Awareness: Understands what is meant by Endpoint Security

#### **5: Data Security**

5.1 General Awareness: Understands what Information Classification means

5.2 General Awareness: Understands what Information Categorization means

5.3 General Awareness: Understands what Data Security at Rest means

5.4 General Awareness: Understands what Data Security in Transit means

5.5 General Awareness: Understands what Encryption is

5.6 General Awareness: Understands what a Digital Signature is

#### **6: User Access Control**

6.1 Practical Knowledge: Follows Rules to set up authorization

6.2 General Awareness: Understands what authentication is

6.3 General Awareness: Understands what access control means

6.4 General Awareness: Understands what Privileged Account Management is

6.5 Practical Knowledge: Follows Rules and is familiar with key actions employees should take responsibility for to maintain security

6.6 General Awareness: Understands the principle of least privilege

6.7 Practical Knowledge: Follows Rules to elicit user access requirements

#### **7: Solution Delivery**

7.1 Practical Knowledge: Follows Rules to identify a Security Requirement when presented with a list of requirements

7.2 General Awareness: Understands what SaaS, IaaS and PaaS are

7.3 Practical Knowledge: Follows Rules to document a current state business process including current technology

7.4 General Awareness: Understands a target state business process for a cybersecurity initiative

7.5 Practical Knowledge: Follows Rules to map cybersecurity solution components back to security requirements

#### **8: Operations**

8.1 General Awareness: Understands how to create and maintain a risk log

8.2 General Awareness: Basic Knowledge of the four risk treatment options: Accept, Avoid, Transfer, Mitigate

8.3 General Awareness: Understands what residual risk is

8.4 General Awareness: Understands how to create a report template for Security metrics

8.5 General Awareness: Understands Root Cause Analysis