

Certificate in Cybersecurity Analysis (CCA)

Duration: 5 Days

Course Description:

This Training course provides highly focused exam preparation support for IIBA-CCA exam candidates through sessions fully aligned to the IIBA CCA requirements. The office hours are interactive sessions conducted by CCA qualified expert instructors. The learning resources, study plan, exam tips, question bank and exam simulators are fully aligned to the CCA exam pattern and equips CCA aspirants to prepare effectively, identify areas of weakness and face the CCA certification examination confidently.

Course Objectives:

- Understand and learn the established cyber security practices that are outlined in the IIBA CCA Guide.
- Gain competence in all the domains essential for CCA certification.
- Master the terminologies used in the CCA Guide.
- Acquire sound understanding of the role, competencies and skill sets required to become an effective and result-oriented cyber-security analyst
- Gain practical insights into the principles and practices of cyber security analysis.
- Learn how to identify and apply various tools and techniques in cyber-security analysis scenarios.
- Interact with instructors and learn how to tackle the CCA questions through CCA practice tests and feedback.
- Gain access to join live exam prep tutorials for 6 months, where participants can clarify all their doubts with instructors.

Target Audience:

The CCA certification training is suitable for individuals who work in secured application development projects. This course is highly valuable for

1. Business Analysis Professional
2. Current ECBAs / CCBAs and CBAPs
3. Business analysis trainers and consultants

Course Outline:

Chapter 1 - Introduction

Presentation - 1.1 - Overview

Presentation - 1.2 - Importance of Security

Presentation - 1.3 - IT Functions & Roles

Presentation - 1.4 - IT 101- 1 The Pieces

Presentation - 1.5 - IT 101- 2 Using & Managing the Pieces

Presentation - 1.6 - IT 101-3 Advancement

Presentation - 1.7 - The Role of BA in Cybersecurity

Presentation - 1.8 - Governance Perspectives of Cybersecurity

Flashcards - Introduction

CCA - 1 - Intro - Questions

Chapter 2 - Security Concepts

Presentation - 2.1 - Security Accountability

Presentation - 2.2 - Cost of Securing an organization

Presentation - 2.3 - Outsourcing for Cybersecurity Expertise and Services

Presentation - 2.4 - Risk Tolerance

Presentation - 2.5 - Compliance

Presentation - 2.6 - Best Practices and Benchmarking

Presentation - 2.7 - Data Privacy

Presentation - 2.8 - Data Privacy Nuances

Presentation - 2.9 - Digital Rights Management (DRM)

Presentation - 2.10 - Audit- Internal and External

Flashcards - Security Concepts

CCA - 2 - Security concepts – Questions

Chapter 3 - Enterprise Risks

Presentation - 3.1 - Risk Management & Control Assurance Framework

Presentation - 3.2 - Organizational Risk Assessment

Presentation - 3.3 - Risk Analysis Threat Risk Assessments

Presentation - 3.4 - Risk Analysis Vulnerability Assessments

Presentation - 3.4 - Risk Analysis Vulnerability Assessments

Presentation - 3.5 - Business Case Development

Presentation - 3.6 - Disaster Recovery and Business Continuity

Flashcards - Enterprise Risks

CCA - 3 - Enterprise risks - Questions

Chapter 4 - Cybersecurity Risks and Controls

Presentation - 4.1 - Understanding Security Controls and IT Risk Part 1

Presentation - 4.2 - Understanding Security Controls and IT Risk Part 2

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training@trends.com.ph
 (+632) 8863-2123
 www.trendssacademy.com.ph

COURSE OUTLINE

Presentation - 4.3 - CIA Triad
Presentation - 4.4 - Applying Controls
Presentation - 4.5 - Cyber Threat-converted.pdf
Presentation - 4.6 - Cybersecurity Threats Part 2
Presentation - 4.7 - Cybersecurity Vulnerabilities Part 1
Presentation - 4.8 - Cybersecurity Vulnerabilities Part 2
Presentation - 4.9 - Adverse Impacts
Presentation - 4.10 - Risks and Controls- Putting It All Together
Flashcards - Cybersecurity Risks and Controls
CCA - 4 - Risks and Controls – Questions

Chapter 5 - Securing the Layers

Presentation - 5.1 - Physical Security
Presentation - 5.2 - Endpoint Security
Presentation - 5.3 - Network Security - Security Architecture
Presentation - 5.4 - Network Security - Firewalls
Presentation - 5.5 - Network Security - Anti- Virus Anti- Malware
Presentation - 5.6 - Network Security - Segregation
Presentation - 5.7 - System Security - Servers
Presentation - 5.8 - Platform Security
Presentation - 5.9 - Product Security - Threat Models-converted.pdf
Presentation - 5.10 - Product Security - Embedded Systems
Presentation - 5.11 - Product Security - Internet of Things
Flashcards - Securing the Layers
CCA - 5 - Securing the layers - Questions

Chapter 6 - Data Security

Presentation - 6.1 - Data Security at Rest Information Classification & Categorization
Presentation - 6.2 - Data Security in Transit Encryption and Keys
Presentation - 6.3 - Data Security in Transit SSL-TLS
Presentation - 6.4 - Data Security in Transit Digital Signature and Identification
Flashcards - Data Security
CCA - 6 - Data security - Questions

Chapter 7 - Access Control

Presentation - 7.1 - Directory Management
Presentation - 7.2 - Authorization
Presentation - 7.3 - Authentication and Access Control
Presentation - 7.4 - Privileged Account Management
Presentation - 7.5 - Users and Security Awareness
Flashcards - User Access Control
CCA - 7 - Access control – Questions

Chapter 8 - Solution Delivery

Presentation - 8.1 - SDLC and Solution Security Planning
Presentation - 8.2 - Requirements and Security Engineering
Presentation - 8.3 - Requirements and Solution Development
Presentation - 8.4 - Solution Security Applications
Presentation - 8.5 - Solution Security Databases
Presentation - 8.6 - Solution Security Web
Presentation - 8.7 - Change Impact Analysis
Flashcards - Solution Delivery
CCA - 8 - Solution Delivery – Questions

Chapter 9 - Operations

Presentation - 9.1 - Incident Response, Recovery, and Remediation
Presentation - 9.2 - Metrics and Reporting
Presentation - 9.3 - Risk Logging and Mitigation Tracking
Presentation - 9.4 - Operational Risk Ownership
Presentation - 9.5 - Computer Forensics SOC, SIEM
Presentation - 9.6 - Future Proofing Your Security Posture
CCA - 9 - Operations - Questions
Flashcards - Operations

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