CYBERSECURITY ANALYSIS

SkillCert
CONSULTANCY

CCA
CERTIFIED
IEEE COMPUTER SOCIETY
IIBA

IIBA
Endorsed Education Provider
Endorsed Course™

Course introduction

The role of business analysis in cyber security is rapidly on the rise. The growing cyber security threats and the need to protect your organizations assets demands you to be well equipped to deal with these threats.
Get the best of cyber security education from IIBA the global business analysis professional body and IEEE the global technology innovation body. Build competencies on enterprise security concepts, cyber threats enterprise risk, cyber security risks and controls, application security, user access control and security operations.
The 2019 Global Business Analysis Salary Survey states 21% of business analysis professionals report being involved in their organizations' cybersecurity practice, as a critical liaison between technology and the business.

Who should attend?

The course is best suited for anyone who wants to enter cybersecurity analysis domain or work as a business analyst on cyber security projects. This course will be a valuable for business managers, business analysts, security teams and anyone who wants to build a career in cyber security.

Course benefits

Pass the IIBA CCA examination with confidence. Get the best foundational knowledge on cyber security concepts and best practice adopted by leading global companies. Put your knowledge to work. Get accepted among supervisors and peers and get rewarded.

Help your organization in better analysis, facilitation, design, implementation, and management of cyber security solutions.

Course outline

Introduction to cyber security

- Introduction to the course, examination pattern and strategy
- IIBA and IEEE Perspective:
- Overview of Concepts and Approach to Improving Cybersecurity
- Understand the Importance of Security
- IT Functions & Roles
- The Role of Business Analysis in Cybersecurity
- Governance Perspectives of Cybersecurity

Enterprise security concepts

- Security Accountability
- Cost of Securing an organization
- Outsourcing for Cybersecurity Expertise and Services
- Risk Tolerance
- Compliance
- Best Practices and Benchmarking
- Data Privacy
- Data Privacy Nuances
- Digital Rights Management (DRM)
- Audit – Internal and External

Enterprise risk

- Risk Management & Control Assurance Framework
- Organizational Risk Assessment
- Risk Analysis: Threat Risk Assessments
- Risk Analysis: Vulnerability Assessments
- Business Case Development
- Disaster Recovery and Business Continuity

Cyber security risks and controls

- Understanding Security Controls and IT Risk: Part 1
- Understanding Security Controls and IT Risks: Part 2
- CIA Triad
- Applying Controls
- Cybersecurity Threats: Part
- Cybersecurity Threats: Part 2
- Cybersecurity Vulnerabilities: Part 1
- Cybersecurity Vulnerabilities: Part 2
- Adverse Impacts
- Risks and Controls – Putting It All Together

Securing the layers

- Physical Security
- Endpoint Security
- Network Security: Security Architecture
- Network Security: Firewalls
- Network Security: Anti-Virus/Anti-Malware
- Network Security: Segregation
- System Security: Servers
- Platform Security
- Product Security: Threat Models
- Product Security: Embedded Systems
- Product Security: Internet of Things

Data security

- Data Security At Rest: Information Classification & Categorization
- Data Security In Transit: Encryption and Keys
- Data Security In Transit: SSL/TLS
- Data Security In Transit: Digital Signature and Identification

User access control

- Directory Management
- Authorization
- Authentication and Access Control
- Privileged Account Management
- Users and Security Awareness

Solution delivery

- SDLC and Solution Security Planning
- Requirements and Security Engineering
- Requirements and Solution Development
- Solution Security: Applications
- Solution Security: Databases
- Solution Security: Web
- Change Impact Analysis

Operations

- Incident Response, Recovery, and Remediation
- Metrics and Reporting
- Risk Logging and Mitigation Tracking
- Operational Risk Ownership
- Computer Forensics: SOC, SIEM
- Future Proofing your Security Posture

Course resources

- Best in class e-learning resources with videos, Interactive contents, And chapter end questions hosted on learner management system.

- Downloadable PDF files.

- Interact with expert trainers when you have a question.

- IIBA official 24 PD for CCA examination.

- Dynamic question bank with explanation

Training conduct: Self-paced online courses, Live trainer led sessions for all time zones and corporate training.

Examination pattern: The exam consists of 75 multiple choices, knowledge-based questions and must be completed within 90 minutes.

Online proctor-based examination.