

CHIEF INFORMATION SECURITY OFFICER (CISO) CERTIFICATION

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 1 Day Interactive Instructor –led Online/Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Mock Tests to prepare in a best way
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and case studies and present trends
- ✓ Cybersecurity Awareness course adhered with International Standards
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/weekend Cybersecurity Awareness Training Course schedule



About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies

PHILIPS AXCESS FINANCIAL PRODUCT MANAGEMENT CLARIANT

AkerSolutions WÜRTH baycoat

DU PONT DASHTI GlobalSign

Triskele Labs مصرف الراجحي Al Rajhi Bank DHL

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Importance of Chief Information Security Officer Certification Training

- ✓ Chief Information Security Officer (CISO) Certificate is a top-level executive certification for information security professionals aspiring for CISO roles. This certification equips professionals with the knowledge and skills necessary to lead and manage an organization's information security program. Certified professionals demonstrate their expertise in areas such as risk management, compliance, incident response, and strategic planning, making them invaluable assets to any organization.
- ✓ Chief Information Officer Training is led by expertized mentors with profound industrial knowledge. Training furnishes candidates with confidence to consolidate their skills such as familiarity with different security technologies. It also elevates communication and leadership skills. This training covers a wide range of topics essential for CISOs, including risk management, security governance, compliance frameworks, incident response planning, security architecture design, and strategic planning.

ELIGIBILITY CRITERIA

- ✓ Aspirants need not meet any requirements to pursue the Chief Information Security Officer Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

- ✓ Any individual who wants to gain skills to deploy IT Security effectively can enroll in CISO Training course.

CHIEF INFORMATION SECURITY OFFICER CERTIFICATION

Advantages



Syllabus of Chief Information Security Officer Training

Lesson 01 – Governance

1. Introduction to Governance
2. Information Security Governance

Lesson 02 – Information Security Management Structure

1. Introduction
2. Sizing
3. Management Structure

Lesson 03 – Principles of Information Security

1. Principles of Information Security
2. CIA Traid
3. Security Vulnerabilities, Threats, Risks, and Exposures
4. Cyberattack Elements
5. Defence-in-depth

Lesson 04 – Risk Management

1. Risk Management Programme
2. Approach
3. Process
4. Method
5. Best Practice Frameworks for Risk Management

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Lesson 05 – Management and Technical Information Security Elements

1.	Management and Technical Information Security Elements
2.	Security Programme Plan
3.	Security Policies, Standards, and Guidelines
4.	Asset Security
5.	Identity and Access Management
6.	Security Engineering
7.	Security Operations
8.	Software Development Security
9.	Security Assessments and Testing
10.	Security Training and Awareness
11.	Business Continuity and Disaster Recovery

Lesson 06 – Compliance

1.	Compliance
2.	Compliance Team
3.	Compliance Management

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Lesson 07 – Privacy

1.	Privacy
2.	Privacy Impact Assessment
3.	Privacy and Security

Lesson 08 – Law and Regulatory Drivers

1.	Laws and Regulatory Drivers
2.	Federal Information Security Modernisation Act
3.	Defence Federal Acquisition Regulation Supplement 252.204-7012
4.	Who Does DFARS 252.204-7012 Apply to?
5.	How Does Compliance Impact an Organisation?
6.	Clinger-Cohen Act
7.	Payment Card Industry Data Security Standard
8.	Who Does PCI DSS Apply to?
9.	Privacy Act of 1974
10.	GRAMM-LEACH-BLILEY ACT
11.	Health Insurance Portability and Accountability Act
12.	Family Educational Rights and Privacy Act
13.	SARBANES-OXLEY ACT
14.	General Data Protection Regulation

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Lesson 09 – Standards and Frameworks

1.	ISO/IEC 27000 Series
2.	ISO/IEC 27001
3.	NIST Cybersecurity Framework
4.	Federal Information Processing Standards
5.	Privacy Shield
6.	COBIT

Lesson 10 – Information Security Trends and Best Practices

1.	Information Security Trends and Best Practices
2.	Open Web Application Security Project
3.	Cloud Security Alliance
4.	Centre for Internet Security

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Lesson 11 – Information Security Training and Certifications

1.	International Information System Security Certification Consortium
2.	ISACA
3.	International Council of E-Commerce Consultants
4.	Sans Institute
5.	Computing Technology Industry Association
6.	International Association of Privacy Professionals
7.	Offensive Security

Lesson 12 – Ethics

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| 1. | Introduction to Ethics |
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Lesson 13 – Information Security Controls

1.	Control Fundamentals
2.	Control Frameworks

Lesson 14 – Information Security Control Life Cycle

1.	Information Security Control Life Cycle
2.	Risk Assessment
3.	Design
4.	Implementation
5.	Assessment
6.	Monitoring

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Lesson 15– Information Security Control Life Cycle Frameworks

1.	NIST SP
2.	NIST Risk Management Framework
3.	NIST Cybersecurity Framework
4.	ISO/IEC 27000

Lesson 16– Information Security Control Frameworks

1.	Components of Exploring Information Security Control Frameworks
2.	NIST SP 800-53
3.	NIST Cybersecurity Framework
4.	ISO/IEC 27002
5.	CIS Critical Security Controls
6.	CSA Cloud Controls Matrix

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Lesson 17 – Auditing for the CISO

1.	Auditing for the CISO
2.	Audit Management
3.	Audit Process
4.	Control Self-assessments
5.	Continuous Auditing
6.	Specific Types of Audits and Assessments

Lesson 18 – Security Programme Management

1.	Security Areas of Focus
2.	Security Streams of Work
3.	Security Projects

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Lesson 19 – Security Programme Budgets, Finance, and Cost Control

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| 1. | Establishing the Budget |
| 2. | Managing and Monitoring Spending |
| 3. | Security Programme Resource Management: Building the Security Team |

Lesson 20 – Project Management

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| 1. | Project Management Fundamentals |
| 2. | Phases of Project Management |
| 3. | Initiating |
| 4. | Planning |
| 5. | Executing |
| 6. | Monitoring and Controlling |
| 7. | Closing |

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Lesson 21 – Malicious Software and Attacks

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| 1. | Malware |
| 2. | Scripting and Vulnerability-Specific Attacks |

Lesson 23 – Malicious Software and Attacks

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| 1. | Asset Inventory and Configuration |
| 2. | Secure Configuration Baselines |
| 3. | Vulnerability Management |
| 4. | Asset Security Techniques |

Lesson 22 – Social Engineering

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| 1. | Types of Social Engineering Attacks |
| 2. | Why Employees are Susceptible to Social Engineering? |
| 3. | Social Engineering Defences |

Lesson 24 – Social Engineering

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| 1. | Data at Rest |
| 2. | Data in Transit |
| 3. | Data in Use |
| 4. | Data Life Cycle |

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Lesson 25 – Identity and Access Management

1.	Identity and Access Management Fundamentals
2.	Identity Management Technologies
3.	Authentication Factors and Mechanisms
4.	Access Control Principles
5.	Access Control Models
6.	Access Control Administration
7.	Identity and Access Management Life Cycle

Lesson 26 – Communication and Network Security

1.	WANs and LANs
2.	IP Addressing
3.	Network Address Translation
4.	Network Protocols and Communications
5.	Wireless
6.	Network Technologies and Defences

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Lesson 27 – Cryptography

1.	Cryptography
2.	Cryptographic Definitions
3.	Cryptographic Services
4.	Symmetric, Asymmetric, And Hybrid Cryptosystems
5.	Hash Algorithms
6.	Message Authentication Codes
7.	Digital Signatures
8.	Public Key Infrastructure

Lesson 28 – Cloud Security

1.	Cloud Security
2.	Cloud Computing Characteristics
3.	Cloud Deployment Models
4.	Cloud Service Models
5.	Cloud Security Risks and Assurance Levels
6.	Cloud Security Resources

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Lesson 29 – Physical Security

1.	Making Security Decisions
2.	Physical Security Threats
3.	Physical Security Programme Planning
4.	Physical Security Resources
5.	Physical Security Controls
6.	Physical Security Auditing and Measurement

Lesson 30 – Personnel Security

1.	Personnel Security
2.	Software Development Security
3.	Integrating Security into the SDLC
4.	Security SDLC Roles and Responsibilities
5.	Software Vulnerabilities
6.	Secure Coding Practices
7.	Software Vulnerability Analysis and Assessments

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Lesson 31 – Forensics, Incident Handling, and Investigations

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| 1. | Relevant Law |
| 2. | Logging and Monitoring |
| 3. | Incident Response and Investigations |
| 4. | Forensics and Digital Evidence |

Lesson 32 – Security Assessment and Testings

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| 1. | Introduction to Security Assessment and Testings |
| 2. | Vulnerability Assessments |
| 3. | Penetration Testing |
| 4. | Security Programme Assessments |

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Lesson 33 – Business Continuity and Disaster Recovery

1.	Introduction to Business Continuity and Disaster Recovery
2.	Continuity Planning Initiation
3.	Business Impact Analysis
4.	Identify Preventive Controls
5.	Develop Recovery Strategies and Solutions
6.	Develop the Plan
7.	Test the Plan
8.	Maintain the Plan

Lesson 34 – Strategic Planning

1.	Introduction to Strategic Planning
2.	Organisational Strategic Planning
3.	Organisational Strategic Planning Teams
4.	Strategic Planning Process
5.	Security Strategic Plan

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Lesson 35 – Making Security Decisions

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| 1. | Introduction to Making Security Decisions |
| 2. | Enterprise Architecture |

Lesson 36 – Financial Management

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| 1. | Financial Management |
| 2. | Accounting and Finance Basics |
| 3. | Information Security Annual Budget |

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Lesson 37 – Procurement and Vendor Management

1.	Overview of Procurement and Vendor Management
2.	Procurement Core Principles and Processes
3.	Types of Contracts
4.	Scope Agreements
5.	Third-party Vendor Risk Management

Exam Format of Chief Information Security Officer Certification

Examination Format	
Exam Name	CISO Exam
Exam Format	Multiple Choice
Total Questions & Duration	30 Questions, 1 Hour
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for Information Security, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of Chief Information Security Exam.

Contact Us

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<https://unichrone.com/>

