

INTRODUCTION TO SYSTEM AND NETWORK SECURITY 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
- ✓ Introduction to System and Network Security Training Course adhered with International Standards
- ✓ End-to-end support via phone, mail, and chat
- ✓ Convenient Weekday/weekend Introduction to System and Network Security 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

Importance of Introduction to System and Network Security Training

- ✓ Introduction to System and Network Security Certification is a detailed program that aims to provide individuals with the necessary skills and information to protect systems and networks from cyber-attacks. In this era of rampant connectivity where breaches in security can cause serious damage, knowing how to identify threats, create safety measures, and defense mechanisms is very important. Professionals are taught how to evaluate their securities and enemies to strengthen and protect sensitive data.
- ✓ Introduction to System and Network Security Training offered by Unichrone is designed to give a complete understanding of the Fundamentals of System and Network Security. It helps individuals understand different aspects of System and Network Security by using various teaching methods. Individuals can choose from instructor-led live online sessions or in-classroom format. Our experienced trainers share their practical knowledge with trainees through interactive discussions based on real-world examples.

ELIGIBILITY CRITERIA

- ✓ Aspirants need not meet any requirements to pursue Introduction to System and Network Security Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

- ✓ Any individual who wants to gain skills to understand system and network security can enroll in the Introduction to System and Network Security Training course.

INTRODUCTION TO SYSTEM AND NETWORK SECURITY CERTIFICATION ADVANTAGES



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



PERFECT
EXECUTION



BUILDS
CUSTOMER
LOYALTY



MORE
EMPLOYABILITY
OPTIONS

Syllabus of Introduction to System and Network Security Training

Lesson 01 – Building a Secure Organization

1.	Real Threats that Impact Cyber Security
2.	Hackers Inside and Out
3.	Eavesdropping
4.	Spoofing
5.	Sniffing
6.	Trojan Horse
7.	Viruses
8.	Wiretaps

Lesson 02 – Cyber Security Policy and Cryptography Primer

1.	Information Assurance Objectives
2.	Caesar Cipher
3.	Cryptography
4.	Symmetric Encryption
5.	Data Encryption Standard (DES)
6.	Advance Encryption Method (AES)

Syllabus of Introduction to System and Network Security Training

Lesson 03 – Solving Key Distribution Issues with Asymmetric Encryption

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|----|------------------------|
| 1. | Key Management |
| 2. | What is OpenPGP/GnuPG? |

Lesson 04 – Ensuring Integrity with Hashes

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|----|---------------------------------------|
| 1. | Secure Hashing Algorithm |
| 2. | Data Integrity |
| 3. | Difference Between WEP, WPA, and WPA2 |
| 4. | Data Integrity |
| 5. | Digital Signatures |

Syllabus of Introduction to System and Network Security Training

Lesson 05 – Assessing Traditional Static Password Schemes

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| 1. | Preventing Password Cracking |
| 2. | Social Engineering Attacks |

Lesson 06 – Evaluating Strong Authentication Methods and Authenticating Hosts

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|----|---|
| 1. | Preventing Password Replay |
| 2. | Multi-Factor Authentication |
| 3. | IP Address Authentication |
| 4. | What is a Spoofing Attack? |
| 5. | IP Address Spoofing Attacks |
| 6. | ARP Spoofing Attacks |
| 7. | Spoofing Attack Prevention and Mitigation |

Syllabus of Introduction to System and Network Security Training

Lesson 07 – Preventing System Intrusions and Discovering System Vulnerabilities

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| 1. | Intrusion Detection Systems (IDSes) |
| 2. | Type Of IDS Monitoring |
| 3. | Sources of Vulnerabilities |
| 4. | Vulnerability Assessment |
| 5. | Identification of Vulnerabilities |

Lesson 08 – Encrypting Files for Confidentiality

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| 1. | Encrypting File System |
| 2. | Important Basic Facts About EFS |

Syllabus of Introduction to System and Network Security Training

Lesson 09 – Hardening the Operating System

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| 1. | Steps to Use to Secure an Operating System |
| 2. | Initial Setup and Patching |
| 3. | Remove Unnecessary Services, Applications, and Protocols |
| 4. | Configure Users, Groups, and Authentication |
| 5. | Configure Resource Controls |
| 6. | Install Additional Security Controls |
| 7. | Test the System Security |

Lesson 10 – Scanning for Vulnerabilities and Reducing DoS Attacks

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|----|-----------------------------------|
| 1. | Overview |
| 2. | Benefits of Vulnerability Scanner |
| 3. | Types of Vulnerability Scanner |
| 4. | Nessus Vulnerability Scanner |

Exam Format of Introduction to System and Network Security Certification

Examination Format	
Exam Name	Introduction to System and Network Security 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 Introduction to System and Network 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 the Introduction to System and Network Security exam.

Contact Us

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<https://unichrone.com/>

