# INTRODUCTION TO NETWORKING CERTIFICATION

As per International Standards

**UNICHRONE**

# 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 Networking Training Course adhered with International Standards

- End-to-end support via phone, mail, and chat

- Convenient Weekday/weekend Introduction to Networking Training Course schedule

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## 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
FINACIAL PRODUCT MANAGEMENT

CLARIANT

AkerSolutions

WÜRTH

baycoat

DU PONT

DASHTI

GlobalSign

TriskeleLabs

مصرف الراجحي
Al Rajhi Bank

DHL

ARASCO أراسكو

EMERSON

accenture

VOLVO

AMA
AMERICAN MEDICAL ASSOCIATION

sitel group

Signify

Atos

LEAR CORPORATION

# Importance of Introduction to Networking Training

✓ Introduction to Networking Certification is an attestation validating the expertise of a professional in computer networking and cutting-edge technologies for tackling emerging networking challenges. It sharpens a person's knowledge of the computer networking framework and the predominance of computer networking. Moreover, it is a certification that provides a vivid understanding of the process of communicating at a distance.

✓ Introduction to Networking Training is designed to present an overview of basic concepts of computer networks. It aims at providing participants with basic competencies required by rapidly changing fields. To achieve ultimate goal of this training, a combination of lectures, individual labs, and group discussions will be implemented. Starting from basic knowledge, goal is to explain key components of networks, software in form of protocols, with a focus on TCP/IP, distinction between local and wide-area networks, and the basics of network security.

# ELIGIBILITY CRITERIA

✔ Aspirants need not meet any requirements to pursue Introduction to Networking Training Course. However, having prior knowledge is beneficial.

# WHO SHOULD ATTEND

✔ Any individual who wants to gain skills to understand Networking can enroll in the Introduction to Networking Training course.

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# INTRODUCTION TO NETWORKING CERTIFICATION ADVANTAGES

CERTIFIES YOUR TALENT

HELPS BUILDING VALUES

GLOBAL RECOGNITION

PERFECT EXECUTION

BUILDS CUSTOMER LOYALTY

MORE EMPLOYABILITY OPTIONS

# Syllabus of Introduction to Networking Training

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| **Lesson 01 –** Introduction to Networking |
| --- |
| 1. What is Networking? |
| 2. Importance of Networking |
| 3. How Networking Works? |
| 4. Communicating at a Distance |
| 5. Computers Communicate Differently |
| 6. Early Wide Area Store-and-Forward Networks |
| 7. Packets and Routers |
| 8. Addressing and Packets |

| **Lesson 02 –** Network Architecture |
| --- |
| 1. Link Layer |
| 2. Internetwork Layer (IP) |
| 3. Transport Layer (TCP) |
| 4. Application Layer |
| 5. Stacking the Layers |

# Syllabus of Introduction to Networking Training

| Lesson 03 – Link Layer |
| --- |
| 1. Sharing the Air |
| 2. Courtesy and Coordination |
| 3. Coordination in Other Link Layers |

| Lesson 04 – Internetworking Layer (IP) |
| --- |
| 1. Internet Protocol (IP) Addresses |
| 2. How Routers Determine the Routes? |
| 3. When Things Get Worse and Better? |
| 4. Determining Your Route |
| 5. Getting an IP Address |
| 6. Different Kind of Address Reuse |
| 7. Global IP Address Allocation |

# Syllabus of Introduction to Networking Training

| Lesson 05 – Domain Name System |
| --- |
| 1. Allocating Domain Names |
| 2. Reading Domain Names |

| Lesson 06 – Transport and Application Layer |
| --- |
| 1. Packet Headers |
| 2. Packet Reassembly and Retransmission |
| 3. Transport Layer in Operation |
| 4. Application Clients and Servers |
| 5. Server Applications and Ports |
| 6. Client and Server Applications |
| 7. Application Layer Protocols |
| 8. Exploring the HTTP Protocol |
| 9. IMAP Protocol for Retrieving Mail |
| 10. Flow Control |
| 11. Writing Networked Applications |

# Syllabus of Introduction to Networking Training

| Lesson 07 – Secure Transport Layer |
| --- |
| 1. Encrypting and Decrypting Data |
| 2. Two Kinds of Secrets |
| 3. Secure Sockets Layer (SSL) |
| 4. Encrypting Web Browser Traffic |
| 5. Certificates and Certificate Authorities |

| Lesson 08 – OSI Model |
| --- |
| 1. OSI Model Overview |
| 2. Physical Layer |
| 3. Data Link Layer |
| 4. Network Layer |
| 5. Transport Layer |
| 6. Session Layer |
| 7. Presentation Layer |
| 8. Application Layer |
| 9. Difference Between OSI and TCP/IP Models |
| 10. Link Layer (TCP/IP) |
| 11. Internetwork Layer (TCP/IP) |
| 12. Transport Layer (TCP/IP) |
| 13. Application Layer (TCP/IP) |

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# Exam Format of Introduction to Networking Certification

| Examination Format | |
|---|---|
| **Exam Name** | **Introduction to Networking 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 Networking, 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 Networking exam.

# Contact Us

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