

ISACA Networks and Infrastructure Fundamentals

ITCA

Course Duration : 32 Hours

Course code : ITCA-NIF

1. Course Overview

The ISACA Networks and Infrastructure Fundamentals – ITCA course provides essential knowledge of networking concepts, IT infrastructure components, and enterprise connectivity. This course is designed for beginners and entry-level professionals who want to understand how networks, servers, storage, and cloud infrastructure support modern business operations. Learners gain practical insight into network design, infrastructure management, and security fundamentals.

2. What you'll learn?

- Networking fundamentals and terminology
- Network components and infrastructure architecture
- LAN, WAN, and wireless networking concepts
- Server, storage, and data center basics
- Introduction to cloud and virtual infrastructure
- Network security and infrastructure protection basics

3. Target Audience

- Students and fresh graduates entering IT roles
- Beginners exploring networking and infrastructure careers
- IT support and junior system administrators
- Non-IT professionals transitioning to technical roles
- Candidates preparing for ISACA ITCA certifications

4. Pre-Requisites

- Basic computer knowledge
- No prior networking or infrastructure experience required

5. Course Content (Modules)

Module 1: Networking Fundamentals

- Network concepts and models
- Network devices and components

Module 2: Network Types and Connectivity

- LAN, WAN, and wireless networks
- Internet and enterprise connectivity

Module 3: IT Infrastructure Components

- Servers, storage, and virtualization
- Data center fundamentals

Module 4: Cloud and Virtual Infrastructure

- Cloud computing basics
- Virtualization and infrastructure services

Module 5: Network and Infrastructure Security

- Network security fundamentals
- Infrastructure monitoring and protection