

Blockchain Fundamentals

BC-101

Duration: 1 day; Instructor-led

Time: 9:00 AM – 5:00 PM

ABOUT THIS COURSE

This course provides a general overview of Blockchain technology. While technical in nature, the concepts discussed will be on a high level, and suitable for anyone with an interest to learn about Blockchain. Participants will learn about the origins of blockchain, how it works, and especially its relationship with Bitcoin. We will also look at some exciting projects happening right now.

OBJECTIVES

In this course, participants will learn about:

- The origins of Blockchain
- The basics of Blockchain and how it works
- What ledgers are and how is it used in Blockchain
- Different components that make up a Blockchain
- Many other types of Blockchain
- Bitcoin and how it started the crypto revolution
- The rise of Decentralized Finance (DeFi)
- Current Blockchain use cases
- The future of Blockchain

PREREQUISITES

No prerequisites.

AUDIENCE

This course is designed for non-technical professionals who are tasked with making business decisions about leveraging Blockchain technology in their businesses.

This course is NOT appropriate for technology professionals seeking to gain deeper understanding of Blockchain technology implementation or programming level depth. Since this is an overview course, this does not contain hands-on labs or programming exercises.

COURSE CONTENTS

Module 1: Introduction to Blockchain

- Before Blockchain
- What is Blockchain
- Basic Principles of Blockchain
- How does Blockchain Work
- Technical Properties of a Blockchain
- There are many Blockchains

Module 2: Bitcoin and Blockchain

- The First Blockchain
- The Rise of Cryptocurrencies
- Decentralized Finance (DeFi)
- Non-Fungible Tokens (NFTs)

- Regulations on Cryptocurrencies

Module 3: Types of Blockchains

- Public vs Private Blockchains
- Blockchain as a Service
- Ethereum
- Hyperledger
- Blockchain Use Cases
- Notable Blockchain Projects

Module 4: Blockchain Adoption

- Where Are We Now?
- Blockchain Does Not Solve All Problems
- How Do I Get Started with Blockchain?
- The "Do I Need a Blockchain" Decision Chart
- The Future of Blockchain