

# € TRAINING

Certified Blockchain Professional CBP



13 - 17 October 2024  
Cairo (Egypt)



# Certified Blockchain Professional CBP

REF: W1963 DATE: 13 - 17 October 2024 Venue: Cairo (Egypt) - Fee: 4095 Euro

## Introduction:

The Certified Blockchain Professional CBP training program provides in-depth education on blockchain technology, covering its fundamentals, applications, and solution development. Completion of the program certifies individuals as CBPs, confirming their proficiency in this innovative domain.

## At the end of this program, the participants will be able to:

- Recognize how public and permissioned blockchains operate.
- Identify and evaluate the viability of blockchain use cases
- Pick the top blockchain platforms and service providers depending on the use case
- Consider the effects of blockchain on business and regulation.
- Create blockchain solutions and define deployment methods.

## Targeted Audience:

- Professionals interested in deepening their understanding of blockchain technology.
- Analysts, managers, and C-level executives.
- Developers seeking to enhance their skills in blockchain solution development.
- Entrepreneurs exploring the potential applications of blockchain in their business ventures.

## Program Outline:

### Unit 1:

#### Blockchain fundamentals:

- Basics of blockchain technology, including distributed storage and encryption principles e.g., hashing, key pairs, digital signatures.
- Understanding the usage of blockchains and the differences between private and public blockchains.
- Exploration of blockchain regulations and a deeper dive into specific cryptocurrencies like Bitcoin or Ethereum.
- Overview of block arrangement, consensus-based techniques, and the role of exchanges and wallets.

- Examination of the three types of blockchain applications storing data, value exchange, smart-contracting with real-world examples across industries.
- Discussion on the most recent technological developments and the future of blockchain technology.
- Addressing the challenges and difficulties in implementing blockchains effectively in various applications.

## Unit 2:

### Detailed examination of tokens and their application in ICOs, Dapps, smart contracts, and DAOs:

- Types and uses of tokens.
- Rights and utility.
- Token worth.
- Distribution of values.
- Demand and inflation.

## Unit 3:

### Permissioned blockchains:

- Specialized layer for handling data management and identity governance.
- Prevailing models of token echelon and establishment of consortiums.
- The goal of tokens within permissioned blockchain incentive schemes.
- Procedures for deciding decisions and management of identities in blockchain ecosystems.
- Governance structure and systems for off-chain governance.

## Unit 4:

### Use-cases from different industries, together with their effects on business:

- financial assistance.
- Insurance.
- pharmacology and healthcare.
- Community services.

- Energy.
- advertising and the media.
- World Wide Web of Things.

## Unit 5:

### Business strategies and governing factors:

- An appropriate blockchain use case.
- Control of tokens.
- Possibly being taxed.
- GDPR.

### Platforms and service providers for blockchain technology:

- Business-relevant blockchain platforms.
- Software companies that offer "blockchain as a service".
- The IBM Hyperledger.
- Google Azure.
- Amazon AWS.
- Consensys Kaleido.