Blockchain Council™

Introduction to the Certified Blockchain Expert (CBE)

Certified Blockchain Expert™

A Certified Blockchain Expert is a skilled professional who has thorough knowledge of what is Blockchain Technology, how it works in different industries.

The Purpose

Establish and govern minimum standards for credentialing Blockchain experts who specialize in enterprise development measures.

Inform the public that credentialled individuals meet or exceed the minimum standards.

Reinforce Blockchain expertise as a unique and self-regulating profession.

For Whom

- Investment Bankers, Consultants & Advisors
- University Professors
- Engineering & Management Students
- Programmers & Developers
- Software Engineers & Architects
- Cryptocurrency Enthusiasts
- CEO, CTO, CIO, CISO or any other CXO
- Operations Head in Businesses
- Senior Government Officials
- Security Professionals, Administrators
- Venture Capitalists, Angel & Seed Investors

Benefits of taking this Course

Prove your Blockchain skills & understanding.

Grasp a deeper understanding of Blockchain & how it works.

Build your own Blockchain solution for different business use-cases, with acquired knowledge.

Requirements to take this Certification

Basic knowledge of Computer Science.

Awareness of different blockchains like Bitcoin, Ethereum etc.

Motivation to acquire a profound understanding of Blockchain.

Recommended Experience

There is no such recommended experience required for getting this certification.

Duration for the Course

8 hours for the entire training.

1 hour for assessment exam.

Training will be online.

Training can be consumed as per candidate’s availability & online speed.

Exam

There will be an online exam with multiple choice questions adding upto 100 marks followed by a training.

You need to acquire 60+ marks to clear the exam.

In case you fail the exam, you can retake the exam after 1 day.

You can take the exam for a maximum of 3 times.

If you fail to acquire 60+ marks even after 3 attempts, you will need to contact the Blockchain Council team to have manual assistance for clearing the exam.

Certificate

Course Content

Module 1: Introduction to CBE

Module 2: Origin of Blockchain Technology

- Electronic Systems and Trust
- Distributed Versus Centralized Versus Decentralized
- Bitcoin Predecessors
- The Bitcoin Experiment
- Bringing Bitcoin to Life

Module 3: Introduction to Blockchain

- What is Blockchain?
- Why is Blockchain a Distributed, P2P Network?
- Blockchain Vs Cryptocurrency
- Types of Blockchain
- What Are Different Blockchain Technologies?
- Benefits of using Blockchain Technology

Course Content

Module 4: Tokenize Everything

- Understanding Tokens
- Ethereum Token Standards

Module 5: Blockchain Ecosystem

- Merkle Tree and Hashing
- Blocks, Wallets and Addresses
- Public and Private Key
- Cryptography and Cryptographic Algorithms

Module 6: Blockchain Mining

- What is Blockchain Mining?
- Types of Mining
- Who are Miners?

Course Content

Module 7: Transaction: UTXO Model Vs Account-Based Model

- Introduction to UTXO Model
- State Transitions in the UTXO Model
- Introduction to Account based Model
- State Transitions in the Account Model

Module 8: Security and Privacy

- What are Smart Contracts?
- What is Consensus?
- Types of Consensus Algorithms

Module 9: Other Consensus Algorithms in Blockchain

Module 10: Blockchain Solutions - Steps and measures

Course Content

Module 11: Use-Cases of Blockchain

Module 12: Other Use-Cases of Blockchain

- Blockchain in IoT
- Blockchain in CBDC
- Blockchain in Retail and Fashion Industry
- Blockchain in Sports and eSports
- Blockchain in Legal Industry
- Social Impact of Blockchain
- DeFi Use-Case in Blockchain: Stablecoins
- DeFi Use-case in Blockchain: Lending and Borrowing
- DeFi Use-Case in Blockchain: Synthetic Assets
- DeFi Use-Case in Blockchain: Prediction Markets
- DeFi Use-Case in Blockchain:DeFi Insurance

Course Content

Module 13: Additional Resource

- Directed Acyclic Graphs

THANK YOU!

Any questions?

Visit

community.blockchain-council.org

You can also mail us at

hello@blockchain-council.org