AI CERTs™

Bitcoin Certification Program

Bitcoin+ Executive™

Executive Summary

Bitcoin+ Executive™ certification provides a comprehensive exploration of blockchain and cryptocurrency. Explore the mechanics of bitcoin blockchains, smart contracts, and decentralized applications. Gain insights into advanced concepts, future trends, and synergies with emerging technologies. Enhance your expertise in the evolving landscape of blockchain with this comprehensive course.

AI CERTs™

Bitcoin+ Executive Exam Blueprint

Date Issued: 1/10/2024
Version: 1.1

Certification Prerequisites

- Functional understanding of computing processes and open networks like internet
- Basic knowledge to follow pseudocode to understand a concept
- Ability to understand how various verticals work like finance, supply chains, asset trading etc.
- Fundamental understanding of how business utilizes information technology for process efficiencies and optimizations

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Date Issued: 1/10/2024
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Exam Blueprint

Number of Questions

50

Passing Score

35/50 or 70%

Duration of Time

90 Minutes

Format

Online via AI Proctoring platform

Question Type

Multiple Choice/Multiple Response

Exam Overview

Module	Weight
Introduction to Blockchain and Cryptocurrency	5%
Understanding Bitcoin Blockchain Mechanics	10%
Bitcoin Script Decentralized Apps	20%
Blockchain Frameworks	15%
Advanced Blockchain Concepts	15%
Cryptocurrencies: Trading, Regulations, and Compliance	10%
Bitcoin Real-world Application	15%
Blockchain and Other Technologies	10%
	100%

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Certification Modules

Module 1

Introduction to Blockchain and Cryptocurrency

1.1 Risks and Benefits

1.2 Databases – A Comparative Analysis

1.3 Delving into Bitcoin

1.4 Bitcoin Vs Blockchain

Module 2

Understanding Bitcoin Blockchain Mechanics

2.1 Deep Dive into Components

2.2 Lifecycle of a Bitcoin Blockchain Transaction

2.3 Understanding P2P Networks

2.4 The Mystery of Consensus Protocols

Module 3

Bitcoin Script Decentralized Apps

3.1 Bitcoin Scripting Basics

3.2 Script Types: P2PKH and P2SH

3.3 Script Operations

3.4 Multisig Transactions

3.5 Escrow Services

3.6 Time-Locked Contracts

3.7 Atomic Swaps

3.8 Payment Channels

Module 4

Blockchain Frameworks

4.1 Ethereum and its Ecosystem

4.2 Introduction to Other Frameworks

Module 5

Advanced Blockchain Concepts

5.1 Layer 2 Scaling Solutions

5.2 Privacy Enhancements

5.3 Smart Contracts on Bitcoin

5.4 Sidechains and Drivechains

5.5 Atomic Swaps

5.6 Schnorr Signatures and Taproot

5.7 Decentralized Autonomous Organizations (DAOs)

5.8 Tokenization and Asset Issuance

5.9 Cross-Chain Interoperability

5.10 Governance and Protocol Evolution

Module 6

Cryptocurrencies: Trading, Regulations, and Compliance

6.1 The Financial Side of Cryptos

6.2 Dive into ICOs, DAOs, NFTs, and DeFi

6.3 Legal and Compliance

Module 7

Bitcoin Real-world Applications

7.1 Lightning Network (Layer 2 Solution)

7.2 RSK (Rootstock)

7.3 Liquid Network (Sidechain Solution)

7.4 Atomic Swaps

7.5 Lnbits

7.6 Bottle Pay

7.7 Zap Wallet

7.8 Muun Wallet

7.9 Sphinx Chat

7.10 Tippin.me

7.11 SparkSwap

7.12 RGB (Colored Coins Protocol)

7.13 Bisq

Module 8

Blockchain and Other Technologies

8.1 Bitcoin Blockchain Integrations with Emerging Tech

8.2 Internet of Things (IoT) Integration

8.3 Artificial Intelligence (AI) Integration

8.4 Edge Computing Integration

8.5 Quantum Computing Integration

8.6 Biometrics and Authentication Integration

8.7 Supply Chain and Logistics Integration

8.8 Decentralized Identity and Authentication Integration

Certification Outcome

Upon successful completion of the BITCOIN+ Executive course, participants demonstrate a comprehensive understanding of blockchain technology, cryptocurrency mechanics, smart contracts, and DApps. They are proficient in various blockchain frameworks, knowledgeable about real-world applications, and well-versed in trading, regulations, and compliance. Additionally, participants grasp advanced blockchain concepts, forecast future developments, and understand the interplay of blockchain with other emerging technologies.

Market Insight

Given Bitcoin's transformative impact on finance, understanding its ecosystem is essential. Our course dives deep into blockchain mechanics, smart contracts, real-world applications, trading intricacies, and forecasts for the future. Elevate your executive insight and harness the potential of blockchain and cryptocurrencies for the next decade.

Value Proposition

Participants of this course gain comprehensive insights into blockchain, cryptocurrencies, and their transformative potential. Dive deep into mechanics, smart contracts, real-world applications, trading regulations, and future trends. Equip yourself with advanced knowledge to navigate the evolving landscape of blockchain and other intersecting technologies.

Additional Features

Interactive Sessions: Engage in discussions with industry experts and peers. Hands-on Exercises: Practical tasks for applying learned concepts in real-world scenarios. Case Studies: Dive deep into real business challenges and solutions. Post-Certification Support: Access to a community of Bitcoin experts and enthusiasts for continuous learning and networking.

BLOCKCHAIN Experts

Mohammad Shankayi

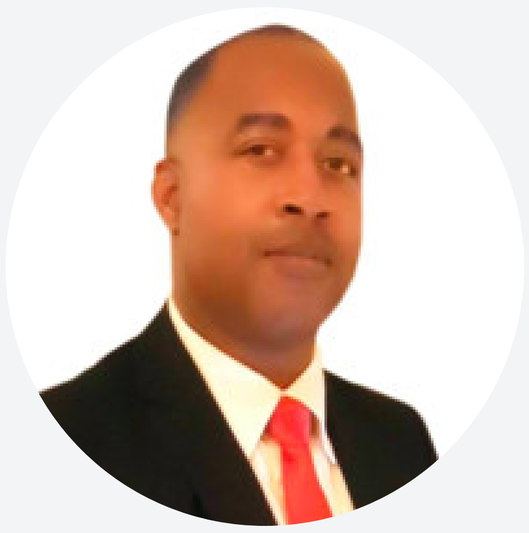
Blockchain Expert

With over 12 years as a versatile CTO/Lead Developer, I excel in managing teams, crafting roadmaps, and implementing optimized solutions across various tech domains. Proficient in numerous languages and adept at navigating new technologies.

Amit Chandra

Blockchain Expert

As Manager of Technology Consulting, I lead the Blockchain Center of Excellence for the State Government of India. Spearheading end-to-end delivery of innovative blockchain solutions, I ensure successful, on-time, and within-budget implementations.



Henry Jenkins

Blockchain Expert

With over 25 years of diverse expertise, I am a seasoned Project Manager, Blockchain Developer, IT Engineer, US Army Veteran, and Cybersecurity Specialist adept at delivering 54+ customer-centric solutions.

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AI & BITCOIN CERTIFICATIONS!

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