Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Bitcoin+ Executive™

CODE:	LENGTH:	PRICE:
AIC_BC-100	6 Hours	£150.00

Description

Empowering Executives with Bitcoin Innovation

- **Comprehensive** Overview: Learn blockchain mechanics, smart contracts, and DApps
- **Strategic Insight:** Gain understanding of emerging technologies and applications
- **Leadership Prep:** Perfect for executives needing a strategic blockchain foundation

At a Glance: Course + Exam Overview

- **Included:** Self-paced course + Official exam + Digital badge
- **Delivery:** Projects & case studies
- **Outcome:** Industry-recognized credential + hands-on experience

The following tools will be explored in this course:

- Glassnode
- Blockchain Explorer
- CoinMarketCap
- Lnbits

What's Included (One-Year Subscription + All Updates):

- High-Quality Videos, E-book (PDF & Audio), and Podcasts
- AI Mentor for Personalized Guidance
- Quizzes, Assessments, and Course Resources
- Online Proctored Exam with One Free Retake
- Comprehensive Exam Study Guide
- Access for Tablet & Phone

Objectives

- Blockchain Fundamentals
- Understanding P2P Networks
- Exploring Ethereum and its ecosystem
- Privacy Enhancements
- Legal and Compliance Considerations

Audience

- **Blockchain Strategists**: Gain in-depth knowledge of Bitcoin's impact on business strategies and learn to drive blockchain

adoption in organizations.
- **Cryptocurrency Investors**: Understand the technical and financial aspects of Bitcoin to make informed investment decisions and manage portfolios effectively.
- **Enterprise Architects:** Master how to design and implement Bitcoin-based solutions at scale, ensuring seamless integration with existing systems.
- **Fintech Professionals:** Explore Bitcoin's role in revolutionizing financial services, from payment systems to secure digital currencies.
- **Technology Leaders**: Stay ahead of the curve by gaining advanced skills in Bitcoin and blockchain technology to lead innovation in the tech industry.

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.

Programme

Course Introduction

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

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

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

4. Blockchain Frameworks

4.1 Ethereum and its Ecosystem
4.2 Introduction to Other Frameworks

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

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

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

8. Blockchain and Other Technologie

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

Follow on courses

Recommended Certifications:

- Bitcoin+ Developer™ (BC-200) - Navigate the depth of development with Bitcoin
- Blockchain+ Developer™ (BL-200) - Build the Foundations of Tomorrow with Blockchain Developer
- Bitcoin+ Everyone™ (BC-900) - Demystify Bitcoin: Simple, Accessible, Essential for All
- Blockchain+ Executive™ (BL-100) - Lead confidently in the Blockchain executive sphere
- Bitcoin+ Security™ (BC-300) - Defend Your Digital Wealth: Master Security Strategies

Test and Certification

Exam Details

- Duration: 90 minutes
- Passing Score: 70% (35/50)
- Format: 50 multiple-choice/multiple-response questions
- Delivery Method: Online via proctored exam platform (flexible scheduling)

Exam Blueprint:

- 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%

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
01 Jan 0001			English	Self Paced Training		£150.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.