



**Arrow ECS Finland Oy - Education Services**

## **TRAINING OFFERING**

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## Bitcoin+ Executive™

| CODE:      | LENGTH: | PRICE:  |
|------------|---------|---------|
| AIC_BC-100 | 6 Hours | €185.00 |

### 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 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

## 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 |            | €185.00 |

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)