



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow Enterprise Computing Solutions Ltd, Part 1st Floor, Suite 1D/1, Central House, Otley Road, Harrogate, HG3 1UG

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000



CODE: **LENGTH:** **PRICE:**

AIC_BC-900 6 Hours £150.00

Description

Demystify Bitcoin: Simple, Accessible, Essential for All

- **For All Learners:** Designed for investors, professionals, and enthusiasts
- **Comprehensive Curriculum:** Covers history, transactions, security, and economics of Bitcoin
- **Global Financial View:** Understand Bitcoin's role in global markets and future outlook
- **Regulatory Clarity:** Navigate the regulatory landscape with ease

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:

- 99Bitcoins
- BlockCypher
- Bitcoin Dev Kit (BDK)
- Statoshi.info

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

- Bitcoin Mechanics
- Practical Bitcoin Use
- Bitcoin's Economic
- Legal Landscapes
- Securing Bitcoin Transactions

Audience

- **Business Leaders, Managers, and Executives:** Leaders seeking to leverage blockchain for business strategy and efficiency.
- **Financial Professionals:** Finance experts needing to understand blockchain's impact on transactions and investment.
- **Entrepreneurs and Start-up Founders:** Innovators looking to integrate blockchain into new business models.
- **Investors and Traders:** Market professionals interested in blockchain's effects on trading and investment.
- **IT and Technology Professionals:** Tech experts aiming to explore blockchain's technical aspects and applications.

Prerequisites

- Basic understanding about Bitcoin, no technical knowledge required.
- An interest in learning about financial technologies, cryptocurrencies, and blockchain and their implementation in various aspects of business.
- A willingness to explore emerging technologies and use tools.

Programme

Course Introduction

Module 1: Introduction to Bitcoin and Blockchain

- 1.1 Overview of Bitcoin Technology
- 1.2 Overview of Blockchain Technology

Module 2: Bitcoin Scripting Languages

- 2.1 Fundamentals of Bitcoin Scripting Language
- 2.2 Components of Scripting Language Basics
- 2.3 Uses of Bitcoin Scripts
- 2.4 Execution Condition of Scripts
- 2.5 Security and Vulnerabilities in the Scripts

Module 3: Building on Bitcoin Script

- 3.1 Standard Transactions
- 3.2 Trade and DeFi
- 3.3 Smart Contracts
- 3.4 Asset Definition

Module 4: Layer 2 Scaling Solutions

- 4.1 Basics of Layer 2
- 4.2 Different Layer 2 Projects

Module 5: Use Cases and Projects using Layer 2

- 5.1 Payments Use Cases
- 5.2 Assets and DeFi
- 5.3 Industry Use Cases
- 5.4 Integration with Other Tech – IoT

Module 6: Security and Best Practices

- 6.1 For Scripting Apps
- 6.2 General Security Practices
- 6.3 Keys and Smart Contracts
- 6.4 Off-Chain
- 6.5 Layer 2

Module 7: Integration (SDK/APIs) and Deployment

- 7.1 Basic Overview of SDK & APIs
- 7.2 BitcoinJS
- 7.3 BitcoinJ
- 7.4 Bitcoinlib
- 7.5 Bitcoin RPC Client (Python)
- 7.6 Deployment Strategies

Module 8: Future Trends and Innovations

- 8.1 Innovation in Bitcoin Applications
- 8.2 Innovation in Bitcoin Layer 2
- 8.3 Innovation in Asset Definition
- 8.4 Innovation in Bitcoin Interoperability
- 8.5 Innovation in Bitcoin Identity and Users

Module 9: Capstone Project

9.1 Capstone Project

Follow on courses

Recommended Certifications:

- Blockchain+ Executive™ (BL-100) - Lead confidently in the Blockchain executive sphere
- Blockchain+ Developer™ (BL-200) - Build the Foundations of Tomorrow with Blockchain Developer
- Bitcoin+ Security™ (BC-300) - Defend Your Digital Wealth: Master Security Strategies
- Bitcoin+ Executive™ (BC-100) - Empowering Executives with Bitcoin Innovation
- Bitcoin+ Developer™ (BC-200) - Navigate the depth of development with Bitcoin

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 Bitcoin - 10%
- How Bitcoin Works? - 15%
- Setting Up a Bitcoin Wallet - 10%
- Buying, Selling, and Using Bitcoin - 15%
- Bitcoin Security - 20%
- Bitcoin's Economic Aspects - 10%
- Legal and Regulatory Environment - 10%
- The Future of Bitcoin - 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.