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# C|BCCX

## Certified Bitcoin & Cryptocurrency Expert

www.ducarainfo.com

# WHY C|BCCX?

Learn expert skills and become a professional in the technology.

- Earning the globally recognized **C|BCCX** certification is a proven way to build your career and better secure critical assets.

- Bitcoin is complex but has many utilities in multiple industries with robust blockchain development on a bitcoin-based platform.

- Though being a well-recognized technology, recruiters do not have the ability to assess the right Bitcoin Professional from the one who might not suit well.

- To hire a Bitcoin professional, it is always easier to choose a certified professional instead of someone who claims to know about being a Bitcoin Professional.
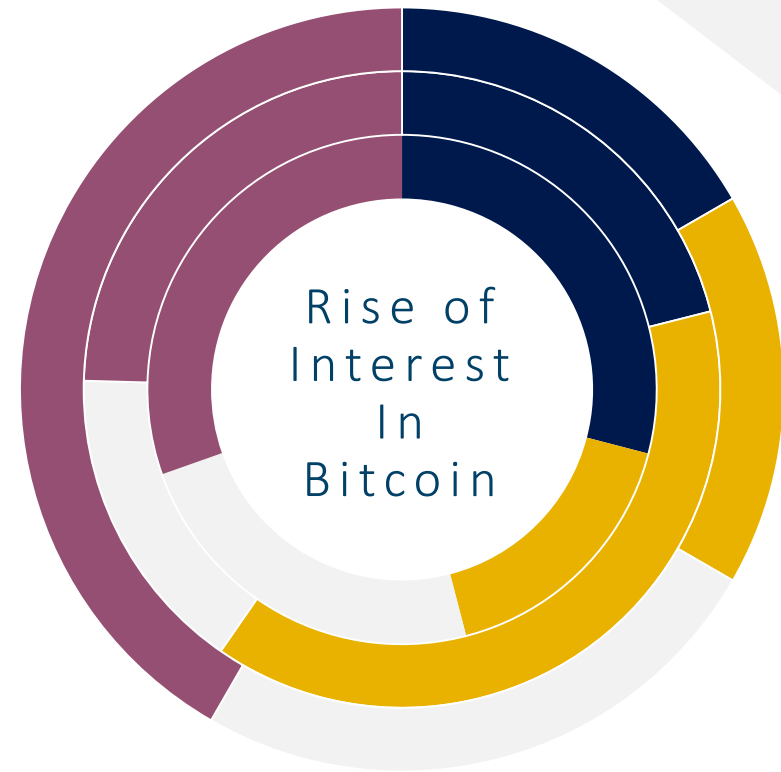
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# **Are you** in Trends?

The C|BCCX is one of the hottest certifications on the market today.

The overall **cryptocurrency market** is projected to reach USD 1.40 billion by 2024, at a CAGR of 6.18% during the forecast period.

Entrepreneurs, start-ups, and large as well as small and medium-sized enterprises (SMEs) are taking an interest in cryptocurrency and find it a revolutionary concept to counter transactional compliances.

Owing to these factors, the ecosystem has attracted extensive venture funding, collaborations, and partnerships among cryptocurrency solutions vendors to provide end-to-end solutions.

The base year considered for the study is **2017**, and the forecast has been provided for the period from **2019** to **2024**.

Rise of Interest In Bitcoin

■ Big Data    ■ Artificial Intelligence    Cloud Technology    ■ Bitcoin & Blockchain

# What is the Objective?

## Outcome Of this Course

- A **Certified Bitcoin & Cryptocurrency Expert C|BCCX** is knowledgeable about the Bitcoin Blockchain, Bitcoin Transactions, and how the Bitcoin network operates.

- CBPs are able to apply Bitcoin technology to their professional area of expertise and understand privacy aspects, double-spending, and other issues that relate to the currency.

- Advance your knowledge of bitcoin, the blockchain, cryptocurrency, and its applications.

- Through a rigorous program of exercises students will become fully practiced and confident in their ability to identify, recover, seize, and restrain cryptocurrencies quickly, securely and properly.

# **Target** Audience

## Who earns C|BCCX?

- Bitcoin is a global currency, so the target audience is not really one group or type of person (and not just humans in a futuristic AI world).

- But the early majority of users would be people who value privacy, globalization, and decentralization.

- It started out being popular with libertarian and anarchist types but has expanded to a more diverse audience as more people get interested in it, and it becomes easier to use.

- Ideal for developers, looking to work on blockchain applications and teams getting started with or working on Blockchain projects.

Duration: 16Hrs

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# **Course** Outline

Topics Covered in Course

| Module | Topics | Module | Topics |
|--------|--------|--------|--------|
| 1 | Fundamentals Cryptocurrency | 4 | Mining of Cryptocurrency |
| 2 | Introduction to Bitcoin | 5 | Bitcoin Commerce |
| 3 | Wallets, Clients and Key Management | 6 | Trading of Cryptocurrency |

# **Mod**ule 1

Fundamentals Cryptocurrency

- What is Cryptocurrency?

- What is anatomy of Cryptocurrency?

- Why would you use a Cryptocurrency?

- How does Cryptocurrency work?

- What are some famous cryptocurrencies?

- What defines the price of Cryptocurrency?

- What are Pros and Cons of Cryptocurrency?

- What is Blockchain Mining?

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# Module 2

## Introduction to Bitcoin

- History & Concept
- Regulations
- Impact on individual
- Working & Units

- Community
- Addresses and Keys
- Transactions
- Blockchain Ledger
- Network
- BIPs

- Blockchain Explorer
- UTXOs
- Nodes
- Block Explorer
- Fork, Variations & Vocabulary

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# **Mod**ule 3

Wallets, Clients and Key Management

- Wallet Types

- Bitcoin Clients

- Deterministic Wallets (AKA BIP-32)

- Passphrase-Encrypted Wallets (AKA   BIP-38)

- Backup

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# **Mod**ule 4

## Mining of Cryptocurrency

- Purpose and Function
- Algorithm
- Mining Pools
- Mining Hardware
- Security and Centralization
- Solo Mining
- Pool Mining
- Block Prototypes
- Stratum

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# **Mod**ule 5

## Bitcoin Commerce

- Bitcoin as a Merchant
- Bitcoin Payment Processors
- Secure Payment Protocol (AKA BIP70)

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# **Mod**ule 6

Trading of Cryptocurrency

- Which cryptocurrency should you buy?

- What are exchanges?

- Secure wallets and why are they used?

- What are ERC20 token and wallet?

- How to trade cryptocurrencies?

- What are risks and rewards.

- Current trends and analysis

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# Any Query?

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**The Technology is changing every day and we at Ducara are committed to demonstrating values. Embracing a digital transformation strategy which drive returns on IT security investment.**