

# IIB COUNCIL

World's 1<sup>st</sup> Business Technology Certification Body

**PROFESSIONAL  
TRAINING AND  
CERTIFICATION**

IIB COUNCIL



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## **360° CONTENT**

Comprehensive material

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## **VENDOR AGNOSTIC**

Tool variety

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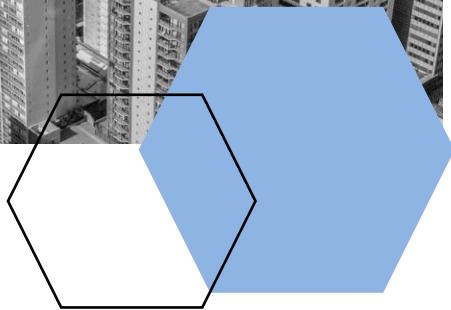
## **100% HANDS-ON AND JOB READY**

Practical training and In-demand skills

# **CERTIFIED BLOCKCHAIN PROFESSIONAL**

## **POWERING BUSINESS OPERATIONS WITH BLOCKCHAIN TECHNOLOGY**

**C|BP** is a **360° degree, Technology-Agnostic, and Hands-On** Training and Certification Course specifically tailored for Business Technology Executives and Fullstack Developers interested in **integrating smart and self-regulatory databases** that can **automate data validation and value transaction procedures across business operations**.



# PROGRAM OVERVIEW

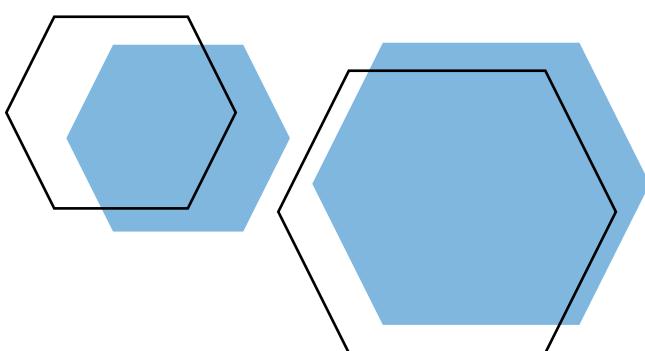
## ABOUT CERTIFIED BLOCKCHAIN PROFESSIONAL (C|BP)

Blockchain, the cornerstone of a decentralization strategy, is a distributed database that is replicated across multiple nodes to enable immutable, permanent, transparent, and secure record-keeping of transactions. Essentially Blockchain is a data storage and data transaction validation system.

The blockchain technology is the only peer-to-peer decentralized network to authorize users to digitally sign transactions with 100% accuracy. Blockchain is gaining popularity across industries such as finance, government, insurance, logistics, media healthcare and many others for being a borderless network of value exchange in real time.

The C|BP course provides a thorough overview of blockchain technology and its implementation in the real world. The course begins with the technical foundations of blockchain, such as distributed and decentralized systems, cryptography and mining. Students will learn about the mechanisms behind cryptocurrencies and how to develop applications using Ethereum, a decentralized virtual machine.

Students will explore different blockchain solutions and business blockchain frameworks for blockchain enterprise applications such as Hyperledger, introduced by the Linux Foundation and widely used by IBM. Most importantly the course will cover multiple blockchain implementation concepts by immersing students to sustainable and scalable blockchain development.





# WHY C|BP

INTRODUCING THE 1ST BLOCKCHAIN PROFESSIONAL TRAINING AND CERTIFICATION PROGRAM TO SET THE GLOBAL STANDARDS IN BLOCKCHAIN TECHNOLOGY

## CONTEXTUAL TRAINING, GLOBAL APPLICATION

As organizations transform into smart, adaptive, digital enterprises and economies evolve to consumer-centric and data driven peer-to-peer ecosystems, our mission is and has always been to help business professionals obtain relevant, implementable and practical digital skills to facilitate corporate growth globally.

C|BP program is a 360°, vendor agnostic and practical course that covers a wide variety of different blockchain technologies, networks and development ecosystems. The course focuses also on Blockchain's current and future potential through various industry use cases.

The CBP course consists of three knowledge and competency areas in Blockchain Technology: Development, Implementation and Strategy. The course can be attended by developers, coders and programmers for a full 5 days training that will grant them access to CBP exams and the chance to obtain the global certification while policy makers and business executives can attend two-days training on Blockchain Strategy and Commercialization.

CBP course digs deep into the main characteristics and features of the distributed ledger technology (DLT) by allowing the students to practice blockchain development and implementation in real world environments. During the CBP course students will be immersed also to a Sustainable, Scalable and Secure Blockchain Development Framework using Quantum Computing that aims to address industry mass adoption issues.

The course as well as introduces Blockchain's new 3S (Secure-Scalable-Sustainable) proprietary framework.

# PREREQUISITES

The Certified Blockchain Professional Program by IIB Council aims to bring up to speed aspiring Blockchain Developers and Blockchain Strategists. There are no prerequisites for attending the 1-day training or 2-day training, however, **to attend the 5 days course** and be able to integrate Blockchain functionalities into business operations, commercial applications, or open source peer-to-peer transactions you need some technical experience, skills and/or qualifications as follows:

## Basic Understanding of Cryptocurrencies (Preferred)

Blockchain developers thoroughly understand how bitcoins and ethers work, and most of them have already mastered the basics and fundamentals of cryptocurrencies. For C|BP course students is advisable to have some Blockchain programming foundations already. This includes understanding of how a blockchain serves as the backbone that powers digital currencies.

## Exposure in Programming Languages (Required)

Blockchain's APIs support six programming languages (Python, Django, C++, HTML, Javascript, Node, so if you're planning to attend C|BP training you will need to be proficient at least in one with which you will be able to integrate Blockchain's services. While Blockchain developers, are proficient in the language they select for their project, Blockchain aspiring Professionals need to have at least an overview of the blockchain supporting languages to smoothly decide which one to pick to integrate Blockchain functionalities with the rest of their applications.

## Experience with Bitcoin and Ether (Preferred)

Understanding the theory behind cryptocurrencies may be useful, but actual experience in transacting with these currencies allows you to introduce better, more innovative and more user friendly blockchain powered solutions. By having actual experience in blockchain's most popular implementation, Bitcoin and Ether, you will be able to better understand the needs of the organization, and provide suitable solutions that are in line with business architecture and business objectives

# DOMAINS (5 DAYS)

## PHASE 1 - DEVELOPMENT

- Blockchain Fundamentals - [INTRODUCTION](#)  
*Introduction to Cryptography, Coding, Programming Languages for Blockchain*
- Blockchain Technology Development - [CRYPTOCURRENCY](#)  
*Introduction to Different Blockchain Networks and Ecosystems Development*

## PHASE 2 - IMPLEMENTATION

- Blockchain Solutions Implementation – Popular Cryptocurrency such as Bitcoin/Ethereum
- Blockchain Industry Adoption – Popular Blockchain Enterprise Framework such as Ethereum/Hyperledger and Decentralized Application (DApps)
- Blockchain and Digital Transformation – Integration with other technologies such as AI, Machine Learning, Internet of things

## PHASE 3 - STRATEGY

- Blockchain Governance, Compliance & Regulation - [AMENABILITY](#)  
*Understanding of the legal implications and the overall risks of the technology*
- Blockchain Sustainability - [SCALABILITY](#)  
*Bonus Chapter: Resource Management, Eco-friendly and less Energy-intense block mining, alternative approaches, Quantum Computing*





# ABOUT IIB COUNCIL

IIB Council (Institute of iBusiness Council) is a division of International Council of E-Commerce Consultants, also known as EC-Council, one of the world's largest cyber security technical certification bodies. ECC operates in 145 countries globally and is the owner and developer of the world-famous Certified Ethical Hacker (CEH), Computer Hacking Forensics Investigator (C | HFI), Certified Security Analyst (ECSA) and License Penetration Testing (Practical) programs, amongst others. We are proud to have trained and certified over 220,000 information security professionals globally that have influenced the cyber security mindset of countless organizations worldwide.

The IIB division is dedicated to developing the world's first Business Technology and Enterprise Digital Transformation Professional Training and Certification Programs. The programs aim at revolutionizing traditional approach in business operations. IIB's Smart Education includes Certification Programs in Digital Marketing Management, Smart Project Management, Blockchain and Financial Technology Management (FinTech). The IIB Training programs are developed with a unique practical approach to a standard MBA program. The hands-on training is aimed at nurturing a Corporate Growth Hacking mindset; a skillset that describes one's ability to leverage analytical, creative and digital skills to conduct rapid experimentations within various business operations and identify the most efficient ways to accelerate performance and attain business growth.

Corporate Growth Hacking is an immediate implementable skill-set that refers to both conventional and unconventional testing techniques used to define growth strategy. This approach allows business professionals to make the best use of smart technology, digital tools and online applications based on advanced technologies. These include Big Data Analytics & Visualization, Predictive Analytics, Augmented Reality (AR), Virtual Reality (VR), Artificial Intelligence (AI), Machine Learning (ML) and Blockchain, to test and analyse common business methodologies and to help optimize and transform them into higher performing processes and automated operations.

Such skills are highly sought-after in the digital era we live in, where traditional organizations strive to live up to the expectations of Data-Driven Economies, Decentralized Financial Ecosystems and Consumer-Centric Markets.

# CONTACT US

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