

CERTIFIED BLOCK CHAIN FOR BUSINESS PROFESSIONAL

www.gsdcouncil.org / info@gsdcouncil.org

Over the years Blockchain has been proven to be effective for an ample amount of organizations business growth. But one needs to be sure if or if not the Blockchain Technology fits the business module well. That's where Blockchain For Business certification comes in the scene.



ABOUT CERTIFICATION

Blockchain For Business certification is an introduction to Hyperledger Technologies designed for the business professional who needs to understand the potential (or threat) of blockchain to their company and industry. Armed with better information on the blockchain landscape, this program will help you rise to new challenges in your current role by giving you a new dimension on which you can add value to your employer.

This certification provides the professionals with an ability to learn and demonstrate competency through identifying opportunities for transformation/disruption via Blockchain including emerging opportunities in Cryptocurrencies, ICOs, and DAOs, developing enterprise-focused use-case and determine Blockchain governance, business model, customer experience, partner/channel impacts, developing the Blockchain Lean Canvas and Blockchain business case for the Proof-of-Concept/MVP development.

The Hyperledger Foundation is an industry association tasked with developing enterprise managed blockchain solutions. Unlike protocols like Bitcoin or Ethereum, Hyperledger projects are designed for traditional businesses that are trying to improve internal data integrity, collaboration and to bring IT to cost down in the long run.

Blockchain for Business Certification will make your concept clearer about the usage of Hyperledger in Blockchain.

OBJECTIVES

Blockchain For Business Professional certification shares a deep understanding of:

- The curriculum includes knowledge clusters on a wide variety of aspects including blockchain fundamentals; cryptocurrencies; blockchain application fundamentals; leveraging the blockchain in business; business blockchain use-cases and business blockchain project management.
- It provides an understanding of Blockchain technology and its numerous applications.
- You will learn how Bitcoin and other cryptocurrencies are used as an electronic payment system.
- You will be described as the function of cryptographic hash functions.
- You will be able to acquire knowledge about how digital signatures and proof of work ensure security for Blockchain applications.
- You will be able to run a smart contract using Hyperledger Fabric
- You will be able to integrate/develop an application with the help of comprehensive labs
- You will learn about Hyperledger Explorer and Hyperledger Composer Playground
- You will gain a detailed understanding of the benefits, components, and architecture of Hyperledger Composer
- You will be able to understand and perform in-depth labs on Bootstrapping the Network

Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor-neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

COURSE SYLLABUS

1. Discovering Blockchain Technologies

- Introduction & Learning Objectives
- Distributed Ledger Technology (DLT)
- Bitcoin and Ethereum Blockchains
- Exploring Permissionless Blockchains
- Consensus Algorithms
- Hyperledger
- Other Open Source Permissioned Distributed Ledgers
- Challenges in the Adoption/Deployment of Distributed Ledger Technologies

2. Introduction to Hyperledger

- Introduction & Learning Objectives
- Hyperledger
- Hyperledger Frameworks
- Hyperledger Modules

3. The Promise of Business Blockchain Technologies

- Introduction & Learning Objectives
- Existing Blockchain Use Cases
- When to Use or Not to Use Blockchain Technologies

4. Technical Requirements

- Introduction & Learning Objectives
- Installation Instructions for Linux

- Installation Instructions for MacOS
- Installation Instructions for Windows

5. Introduction to Hyperledger Iroha

- Introduction & Learning Objectives
- Key Components

6. Introduction to Hyperledger Sawtooth

- Introduction & Learning Objectives
- Addressing Illegal, Unregulated, and Unreported Tuna Fishing (Demonstrated Scenario)
- Key Components and Transaction Flow
- Installing Hyperledger Sawtooth
- Writing an Application

7. Introduction to Hyperledger Fabric

- Introduction & Learning Objectives
- Addressing Illegal, Unregulated, and Unreported Tuna Fishing (Demonstrated Scenario)
- Key Components and Transaction Flow
- Installing Hyperledger Fabric
- Understanding Chaincode
- Chaincode Walkthrough (Demonstrated Scenario)
- Writing an Application

BENEFITS

Few benefits of getting a Blockchain For Business Professional certification are:

- Get hired easily ● Prove your Blockchain skills & understanding.
- Gain an in-depth understanding of Blockchain & its implementation. ● Implement your skills in any Blockchain application.
- Build your own Blockchain enterprise with acquired knowledge.



GSDC Technical Advisory Board :

The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Further Information:

Target Audience

- Product managers, ICT Professionals, Monetary Authority Professionals
- Banking professionals, Financial Analysts
- Database Administrators, Entrepreneur
- Aspirants aiming for a career in the prospective field
- Operations and technology specialists
- Blockchain Engineers
- End Users
- Business Owners Technologists

Certification Available:

- Ethereum developer ● Blockchain Architect
- Hyperledger Developer

You may also be interested in:

- Lean Six Sigma ● DevOps Practitioner

Find out more online at www.gsdcouncil.org