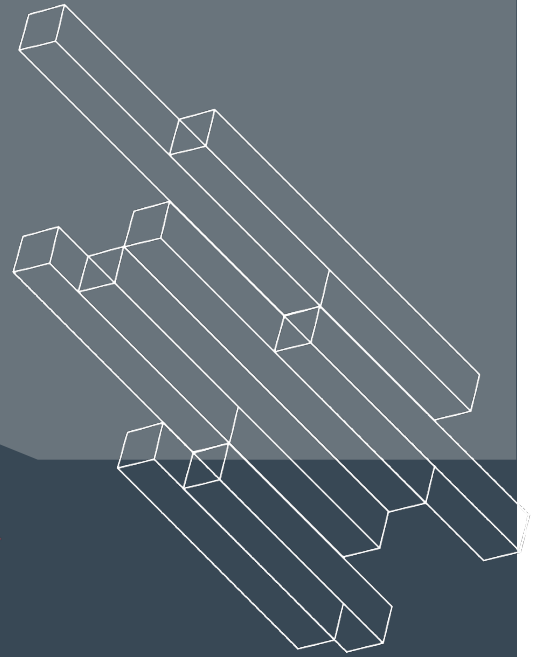# Blockchain for Financial Institutions Course

Course Prospectus
2021

BΔ

BLOCKCHAIN
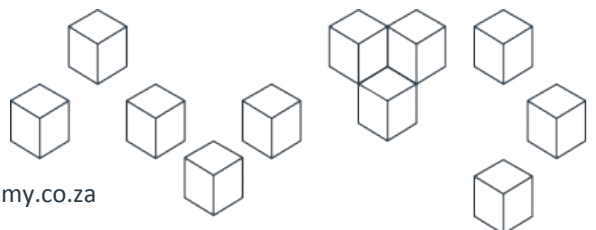ACADEMY

**BLOCKCHAIN AND
CRYPTOCURRENCY
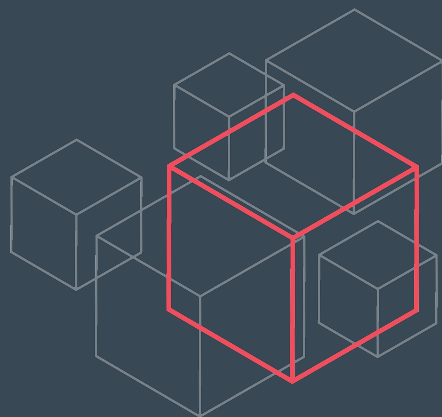TRAINING**

About the Blockchain Academy

The Blockchain Academy focuses on capacity building in the digital currencies and blockchain technology industry through specialised training and consulting.
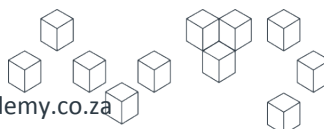
Cryptocurrencies, Distributed Ledger Technology (DLT) and blockchain technology, represent a number of unique opportunities for improved transparency and efficiencies across multiple industries, including financial services, insurance, identity, healthcare and supply-chain.

We help organisations across sector and industry to fully understand the intricacies and value-proposition of the technology and how it might apply to their respective businesses. Our courses are tailored to meet each organisations specific requirements and to help build the internal capacity required to make informed decisions. Our consulting team provide continued support to ensure that design, delivery and execution of the strategy and resulting product are held to the highest standard.

Whilst the Blockchain Academy is based in South Africa we have a global client base and our team have a vast amount of international industry experience and are regarded as thought leaders in this space.

Some of our clients include:

ABSA — Member of BARCLAYS · Bank Windhoek · CENTRAL BANK OF SWAZILAND · BANQUE AFRICAINE DE DÉVELOPPEMENT / AFRICAN DEVELOPMENT BANK · DISTELL · DirectAxis · OLDMUTUAL · Standard Bank · strate always discovering · Ventures AA · GRADUATE SCHOOL OF BUSINESS UNIVERSITY OF CAPE TOWN

Why is blockchain technology so important?

Blockchain technology removes the need for a centralised authority to verify trust. It creates a public ledger of all transactions, which are then traceable, transparent and leave no possibility of alteration, which in turn allows for stronger security, decreased risk and increased efficiencies.

Simpler and faster

Reduced costs

Increased trust

Tracking and transparency

The technology was initially developed to provide an alternative approach to payments by using cryptographic methods to provide a trust-mechanism between two transacting parties without the need for a trusted third party. Now, however, the high number of use cases for the technology is beginning to be realised and understanding this disruptive technology is becoming essential.

In the last 6 months investment into blockchain technology businesses has reached US$1.5 billion, surpassing the full year total for 2017.

The world's largest financial institutions have publicly declared their interest in this

technology and have begun openly experimenting with it. Large technology and consulting firms such as IBM have entire business units now dedicated to blockchain.

Outside of the commercial use cases, blockchain technology also represents an opportunity to address humanitarian and philanthropic challenges such as identity and financial inclusion, which are all becoming increasingly more important to address.

We believe that blockchain technology represents the second generation of the Internet. It not only holds the potential to profoundly transform a multitude of industries, it has the potential to transform lives.

What services do we offer?

We offer bespoke training and consulting services from beginner levels to advanced levels of understanding on blockchain technology and cryptocurrencies as well as blockchain development.

Training

Consulting

Presentations

Development

Training

The academy provides training in various countries. Training in South Africa takes place at AlphaCode Club in Johannesburg and at the Bandwidth Barn in Cape Town, as well as at our clients offices in various cities.

Courses typically over one full day but can be lengthened on request.

Consulting

The academy provides a variety of consulting services such:

- blockchain development
- feasibility of using blockchain within an organisation
- assisting an organisations developers to build, deploy and test blockchain applications
- advising on the type of blockchain technology that is best suited to an organisations requirements
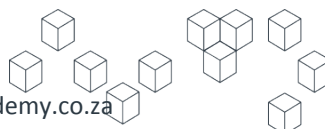- determining the relevant use-cases

Presentations

The academy offers presentations to organisations on a variety of topics relating to blockchain and cryptocurrencies.

Development

The academy and its partners can assist organisations with their blockchain development projects on a variety of different types of blockchain technologies.

Equip yourself with the knowledge to evaluate the impact blockchain will have on your organisation's business model.

Blockchain For Financial Institutions Course

Blockchain technology is challenging traditional players and forcing them to re-examine their role in the payment ecosystem as the threat of disintermediation in the financial industry is both real and imminent.

Distributed ledgers, or blockchains, have the potential to significantly impact business models, reductions in risk and savings of cost and capital.

The Blockchain for Financial Institutions course provides an insight into the differences between permissioned and permissionless blockchains and where the value of each lies for the user and organisations. The course discusses alternatives to the bitcoin blockchain such as Ripple, Hyperledger, Ethereum, Chain, JP Quorum and Distributed Ledger Technology (DLT) such as R3's, Corda.

WHO SHOULD ATTEND?
- CEOs
- CTOs
- CIOs
- COOs
- CFOs
- Payment specialist
- IT Managers
- Finance Managers
- Compliance and Risk Managers
- Stategists

REQUIREMENTS
- No prior knowledge of Bitcoin and blockchain is required

DURATION
Classroom:
- **09:00-14:00pm**
- Short tea/coffee breaks & light lunch

Online:
- **09:00-13:30pm**
- Short breaks

TRAINING METHODOLOGY
- Online
- Classroom style

VENUE
- At our facilities in Cape Town and Johannesburg
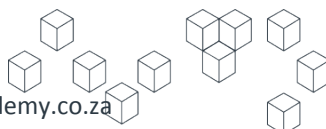- At our clients offices globally

PRICE
R1,500.00 per person
Minimum of 8 attendees

WHAT'S INCLUDED?
- A Certificate of Completion

COURSE OUTCOME:
Attendees will have a deeper understanding of blockchain technology and its long-term implications for business and in particular how this technology can be, and is being used in the financial industry from payments, trade finance, supply chain, settlements, trade finance, capital finance and identity management from KYC and AML.

This course will enable attendees to understand which type of blockchain technologies are best suited for the individual use-cases in the finance industry and how this van be applied within their own organisations.

Blockchain for Financial Institutions Course

Module 1
An Overview of Bitcoin and Blockchain Technology

- A basic history of money
- Digital money, ledgers and trusted third parties
- Basics of cryptography: hashes and digital signatures
- Decentralised, peer to peer systems and the problem of consensus (Byzantine General's problem)
- Blockchain, mining and Proof of Work (PoW)

Module 2
Smart Contracts

- Bitcoin smart contracts
- Ethereum smart contracts
- Tokens and other digital assets

Module 3
Alternate Consensus Mechanisms

Module 4
Permissioned vs. Permissionless Consensus

Module 5
An Overview of Permissioned Blockchains and Distributed Ledger Technology (DLT)

- Corda
- Chain
- Hyperledger Project
- Ripple
- Quorum

Module 6
Use Cases of Blockchain Technology and Cryptocurrencies

- Cryptocurrency and financial inclusion
- Trade finance
- Capital markets
- Identity
- Intellectual Property (IP)
- Misconceptions of blockchain and Distributed Ledger Technology (DLT) use-cases

Blockchain for Financial Institutions Course

Module 7
Initial Coin Offerings (ICOs)/ Initial Token Offerings (ITOs) and Other Forms of Fund Raising

- An overview of the landscape
- What's happening in the regulation space
- Moving beyond the wild west

Module 8
Regulation

- Know-Your-Customer (KYC) and Anti-Money Laundering (AML)
- Central bank driven blockchains and cryptocurrencies
- Tax implications of cryptocurrencies
- Self regulatory bodies
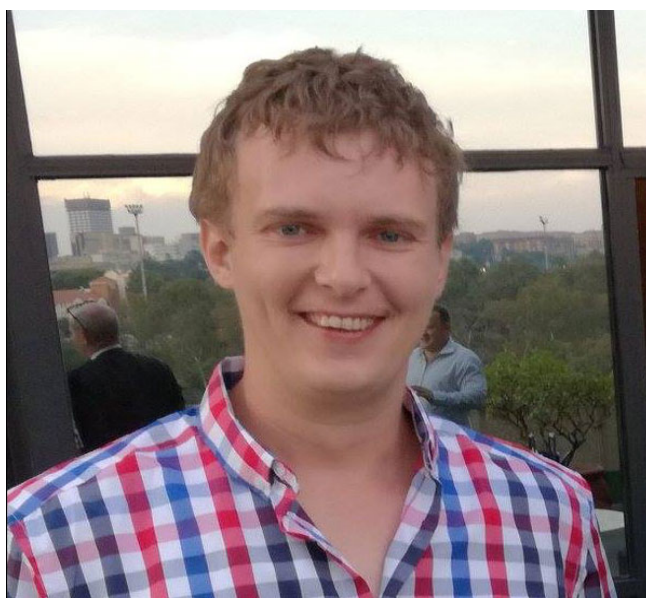- Examples of various approaches taken by regulators globally

Module 9
Looking Into the Future

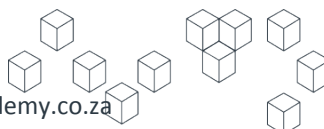- The innovator's dilemma: incumbents and disruption

Carel de Jager

Carel is one of the lead instructors at the Blockchain Academy. He has been an active investor and crypto miner since 2013.

Carel has provided training for the Central Bank of the Sultanate of Oman and other financial insitutions and for corporate clients in South Africa since 2017. Carel is a regular speaker at blockchain related events and conferences in South Africa and contributes articles to several news publications. He has been invited to speak on SAB1 TV on the Real Talk with Anele show and the Daily Thetha show.

Being an engineer, his investment interest soon developed to a fascination and passion for the underlying technology that forms the Blockchain. He is a firm believer that the blockchain is the next step of financial evolution which will revolutionize the way we transact.

https://twitter.com/BlockchainJag

https://www.linkedin.com/in/careldejager/

Testimonials

Bitcoin and Blockchain Beginner Course

" *During the last quarter of 2016, we took the decision to further develop the ThisIsMe platform using blockchain and in particular Etherium, at the time we had no customers requesting a blockchain version, so it was definitely on the edge.*

We selected the Blockchain Academy, to get the entire team and not just the development area up to the same standard of knowledge. The course covered a lot of information, delivered in concise chunks that were easy to absorb. The structure was clear, logical and effective.
But it was wasn't just about the new knowledge, the main benefits came from discussing use cases, receiving individual feedback and interacting with the tutor. Well worthy of the money and time spent and I can only thank the Blockchain Academy for putting the course together and delivering it with a very knowledgeable tutor. "

Mark Chirnside, CEO at ThisIsMe

Bitcoin and Blockchain Beginner Course

" *I would like to provide some formal feedback on the Blockchain training that I have recently attended at the Blockchain Academy.*

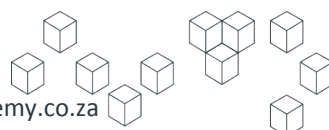*I have attended the following courses:*

Blockchain Beginner, Blockchain Advanced, Ethereum Beginner and Blockchain for Developers

The courses are really well structured and with the latest industry content. The content enough to ensure the attendees grasp the key concepts in the allocated time.
This allows you to be at a level of understanding fairly quickly, if you did not have a prior knowledge of Blockchain and Crypto-currencies.

The lecturers are very knowledgeable and able to answer questions with ease. They are able to gauge and follow the classroom levels to ensure everyone is keeping up with the expected workbooks. The time allocated to the courses are sufficient to cover the material. There is a lot of additional information and takeaways to spend time on your own, further enhancing your knowledge gained from the courses. "

Rennie Govender, Head: Business Application Support: Corporate
Investment Banking at Standard Bank

Testimonials

Legal and Regulatory Implications of Cryptocurrency and Blockchain Technology Course

" I can't speak for anyone else, but in the few years I've been with CDH this was probably one of the best training sessions (definitely the best by an external presenter) that I've attended. It gave me an extremely good idea of how the blockchain and cryptocurrency space works and what's happened in the rest of the world. "

Louis Botha, Associate – Tax and Exchange Control, Cliffe Dekker Hofmeyr

Legal and Regulatory Implications of Cryptocurrency and Blockchain Technology Course
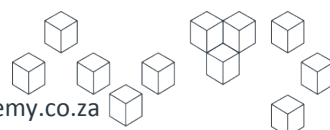
" I attended a course yesterday with the expectation of gaining some insight into the world of blockchain and cryptocurrencies and my expectations were exceeded. Nerushka Bowan thank you for such a well delivered presentation. I highly recommend this course. "

Keshia Naidoo, Legal and Compliance Administrator, The Hello Group

Blockchain for Financial Institutions Course

" We are very excited to host the first Bitcoin & Blockchain training for the Financial Services Industry, in collaboration with the Blockchain Academy, in Mauritius. The speakers we had during these 2 days, are people who have experimented with this technology for the last 4 years, and they dived us through this immersive technology that helped the audience to understand it, clear out the misconceptions, and realize the opportunities at hand. We were provided with multiple use cases that helped the audience understand the practical side of it. Gavin encouraged participation and interaction, that created the perfect platform for exchange of ideas and disseminating the contents in a structured way. We strongly recommend Blockchain Academy. "

Ali Jamaloodeen, General Manager, AA Ventures Pty Ltd (Mauritius)

Payment

Please make payment one week before course commences to:

Blockchain Academy Pty Ltd

Bank: Standard Bank

Account No: 072612193

Branch: Claremont

Branch Code: 051001

Please send proof of payment to:
info@blockchainacademy.co.za

Students receive 35% discount on all our courses.

Group Bookings

We offer private training sessions for groups of 8 or more individuals, onsite at your offices or at our training facilities in Johannesburg and Cape Town.

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Contact Us

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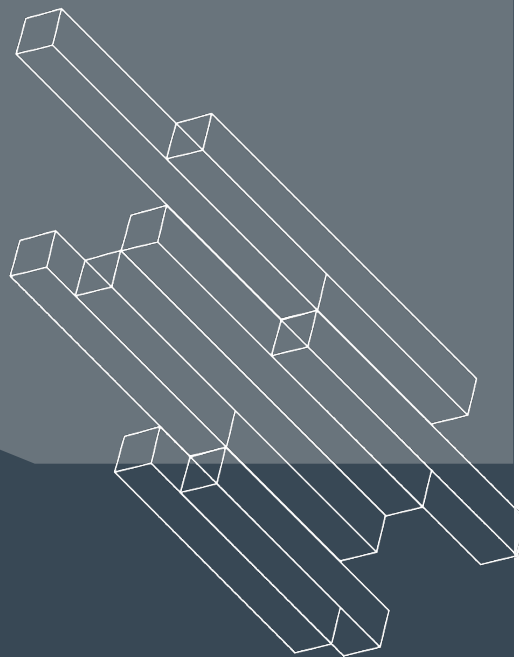BlockchainAcademySA

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