Blockchain Applications in Banking Training Course

Professional Development Training Course Outline

Category	Banking Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapid evolution of Blockchain Technology, Distributed Ledger Systems, and Decentralized Finance (DeFi) is transforming the global banking landscape. Financial institutions are increasingly adopting secure, transparent, and tamper-proof digital infrastructures to enhance trust, reduce operational costs, and improve transaction efficiency. Blockchain enables real-time settlement, smart contract automation, digital identity verification, and fraud prevention, making it a cornerstone of modern banking innovation. Blockchain Applications in Banking Training Course equips banking professionals with cutting-edge knowledge of blockchain integration, crypto-assets, tokenization, and regulatory frameworks, empowering them to stay competitive in a digitally disrupted financial ecosystem.

In today's era of FinTech innovation, digital banking transformation, and cybersecurity threats, banks must leverage blockchain to streamline operations and deliver customer-centric services. From cross-border payments and trade finance to KYC optimization and digital currencies (CBDCs), blockchain applications are reshaping financial services globally. This training program provides a comprehensive, practical, and strategic understanding of blockchain, combining real-world case studies, hands-on simulations, and industry best practices to enable participants to design, implement, and manage blockchain-driven banking solutions effectively.

Programme Curriculum

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Course Duration

5 days

Course Objectives

By the end of this course, participants will be able to:

1. Understand blockchain fundamentals and distributed ledger technology (DLT) in banking
2. Analyze cryptocurrency ecosystems and digital asset management
3. Implement smart contracts for banking automation and efficiency
4. Evaluate blockchain security frameworks and cyber risk mitigation
5. Explore DeFi applications and digital banking innovation strategies
6. Apply blockchain in cross-border payments and remittance systems
7. Understand Central Bank Digital Currencies (CBDCs) and regulatory trends
8. Optimize KYC/AML processes using blockchain-based identity solutions
9. Assess blockchain scalability, interoperability, and performance challenges
10. Develop tokenization strategies for financial assets and securities
11. Identify fraud prevention mechanisms using blockchain analytics
12. Design blockchain adoption roadmaps for banking institutions
13. Evaluate global regulatory compliance and governance frameworks

Target Audience

- Banking and Financial Services Professionals
- Risk and Compliance Officers
- IT and Digital Transformation Managers
- FinTech and Innovation Specialists
- Cybersecurity and Data Protection Experts
- Operations and Payments Managers
- Investment and Asset Management Professionals
- Regulators and Policy Makers

Course Modules

Module 1: Blockchain Fundamentals in Banking

- Introduction to Blockchain and DLT

- Types of Blockchains
- Cryptographic Principles and Consensus Mechanisms
- Blockchain vs Traditional Banking Systems
- Case Study: Blockchain adoption in global banks

Module 2: Cryptocurrencies and Digital Assets

- Overview of Bitcoin, Ethereum, and Altcoins
- Digital Wallets and Custody Solutions
- Stablecoins and Tokenized Assets
- Crypto Trading and Risk Factors
- Case Study: Institutional crypto adoption in banking

Module 3: Smart Contracts and Automation

- Smart Contract Architecture and Design
- Use Cases in Lending, Insurance, and Payments
- Automation of Trade Finance Processes
- Risks and Legal Considerations
- Case Study: Smart contracts in supply chain finance

Module 4: Blockchain in Payments and Remittances

- Cross-Border Payment Challenges
- Blockchain-based Payment Systems (Ripple, Stellar)
- Real-Time Settlement and Cost Reduction
- Financial Inclusion through Blockchain
- Case Study: RippleNet for international transfers

Module 5: KYC, AML, and Digital Identity

- Challenges in Traditional KYC/AML Systems
- Blockchain-based Identity Verification
- Data Privacy and Security Considerations
- Regulatory Compliance Requirements
- Case Study: Digital identity platforms in banking

Module 6: DeFi and Banking Innovation

- Introduction to Decentralized Finance (DeFi)
- Lending, Borrowing, and Yield Farming
- Risks and Opportunities in DeFi
- Integration with Traditional Banking
- Case Study: DeFi platforms disrupting financial services

Module 7: Blockchain Security and Risk Management

- Cybersecurity Threats in Blockchain
- Fraud Detection and Prevention
- Risk Assessment Frameworks
- Governance and Audit Controls
- Case Study: Blockchain hacks and mitigation strategies

Module 8: Regulatory Frameworks and Future Trends

- Global Blockchain Regulations
- Central Bank Digital Currencies (CBDCs)
- ESG and Blockchain Sustainability
- Future of Tokenization and Digital Finance
- Case Study: CBDC pilots

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price

23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com