Training Course on Digital Currencies and Central Bank Digital Currencies (CBDCs)

Professional Development Training Course Outline

Category	Banking Institute	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The digital transformation of finance has ushered in a new era defined by blockchain technology, cryptocurrency innovation, and the rise of Central Bank Digital Currencies (CBDCs). Governments, financial institutions, and fintech innovators are increasingly exploring the role of digital assets in the global economy. Training Course on Digital Currencies and Central Bank Digital Currencies (CBDCs) equips professionals with in-depth knowledge of digital currencies, offering hands-on case studies, strategic insights, and regulatory frameworks shaping the future of finance.

This course not only bridges the gap between traditional banking and emerging financial technologies but also enhances your capacity to interpret CBDC policies, blockchain integration, DeFi implications, and cybersecurity challenges. Whether you're a policymaker, banker, or tech leader, this course provides the practical and theoretical foundation to lead in the evolving financial ecosystem.

Programme Curriculum

Training Course on Digital Currencies and Central Bank Digital Currencies (CBDCs)

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Course Objectives

1. Understand the fundamentals of digital currencies, cryptocurrencies, and CBDCs.
2. Examine global CBDC initiatives and regulatory frameworks.
3. Analyze the role of blockchain and distributed ledger technologies.
4. Explore the impact of DeFi (Decentralized Finance) on monetary policy.
5. Evaluate stablecoins and their role in financial stability.
6. Identify cybersecurity risks associated with digital currency systems.
7. Learn cross-border payment innovations through CBDCs.
8. Discover the role of tokenization in modern finance.
9. Apply smart contract principles to CBDC applications.
10. Assess the implications of financial inclusion via digital currencies.
11. Compare retail vs wholesale CBDCs with real-world use cases.
12. Study the role of regtech and compliance technologies.
13. Develop strategies for digital wallet adoption and user experience.

8 Target Audiences

1. Central Bank Officials
2. Financial Analysts and Economists
3. Fintech Developers
4. Policymakers and Legislators
5. Blockchain Consultants
6. Banking Executives
7. Compliance Officers
8. Academic Researchers

Course Duration: 10 days

Course Modules

Module 1: Introduction to Digital Currencies

- Definition and evolution of digital currencies
- Key differences: digital vs fiat vs crypto
- Global adoption trends
- Technology foundations: Blockchain 101
- Future outlook
- **Case Study: Bitcoin's rise and impact on legacy systems**

Module 2: Understanding CBDCs

- What are CBDCs?
- Retail vs wholesale CBDCs
- Key motivations for adoption
- Design models by central banks
- Legal implications
- **Case Study: China's Digital Yuan Implementation**

Module 3: Blockchain Technology for CBDCs

- Distributed ledger fundamentals
- Permissioned vs permissionless ledgers
- Data integrity and traceability
- Blockchain scalability challenges

- Interoperability concerns
- **Case Study: Project Jura (France/Switzerland cross-border CBDC)**

Module 4: Global CBDC Developments

- BIS and IMF perspectives
- Country-specific pilots
- Policy approaches comparison
- Public-private collaboration
- Institutional barriers
- **Case Study: Sweden’s e-Krona Experiment**

Module 5: Cryptocurrency Ecosystem

- Crypto market overview
- Tokens vs coins
- Leading cryptocurrencies
- Mining and consensus mechanisms
- Institutional investment trends
- **Case Study: Ethereum's transition to Proof-of-Stake**

Module 6: Stablecoins and Financial Stability

- Stablecoin definitions and types
- Reserve-backed vs algorithmic models
- Role in payment systems
- Regulatory scrutiny
- Integration with CBDCs
- **Case Study: Diem (formerly Libra) by Meta**

Module 7: DeFi and CBDCs

- What is DeFi?
- Liquidity pools and lending
- Risks and rewards
- DeFi regulation potential
- Integrating DeFi with CBDCs
- **Case Study: MakerDAO’s stability mechanisms**

Module 8: Regulatory Frameworks

- AML and KYC requirements
- Data privacy and digital IDs
- FATF guidelines
- Cross-border regulation issues
- Central bank roles
- **Case Study: European Union’s MiCA Regulation**

Module 9: Financial Inclusion and Accessibility

- Unbanked and underbanked populations
- CBDCs for social aid distribution
- Reducing remittance costs
- Mobile wallet adoption
- Digital literacy challenges
- **Case Study: Nigeria’s eNaira and inclusion efforts**

Module 10: Design and Technical Infrastructure

- Digital wallets
- Offline functionality
- API and SDK integration
- Interoperability layers
- Architecture trade-offs
- **Case Study: Project Helvetia (Swiss National Bank)**

Module 11: Cybersecurity and Risk Management

- Threats to digital currency systems
- Encryption and authentication protocols
- CBDC-specific vulnerabilities
- Disaster recovery planning
- Regulatory expectations
- **Case Study: North Korea's crypto hacks and prevention**

Module 12: Smart Contracts and Programmable Money

- Defining smart contracts
- Automating financial services
- Legal and operational concerns
- Central bank oversight
- Applications for CBDCs
- **Case Study: Project Dunbar (multi-CBDC with smart contracts)**

Module 13: Cross-Border Payment Innovations

- Issues in current systems
- Speed and cost reductions
- Interoperable CBDC frameworks
- Currency exchange mechanisms
- International cooperation models
- **Case Study: mBridge Project (BIS x APAC collaboration)**

Module 14: Digital Identity and Privacy

- Role of digital ID in CBDCs
- Balancing privacy and security
- Anonymity vs traceability
- Legal frameworks
- Ethical concerns
- **Case Study: Estonia's e-ID ecosystem**

Module 15: The Future of Money

- Post-CBDC monetary systems
- AI and automation integration
- CBDCs and ESG (Environmental, Social, Governance) goals
- The role of commercial banks
- Evolving global financial leadership
- **Case Study: IMF simulations on global digital currency impact**

Training Methodology

- Interactive lectures with live Q&A

- Case-based learning with real-world examples
- Hands-on simulation exercises for digital wallets and smart contracts
- Expert guest speakers from central banks and fintech companies
- Assessments and certification upon course completion

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
21 Sep 2026	02 Oct 2026	Online	$2,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0

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

Register Online Now

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