Clearing and Settlement Systems for Banks 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

In today’s highly digitized financial ecosystem, efficient Clearing and Settlement Systems are the backbone of secure, fast, and reliable banking operations. Clearing and Settlement Systems for Banks Training Course is designed to equip banking professionals with in-depth knowledge of payment systems, real-time gross settlement (RTGS), automated clearing house (ACH), securities settlement systems, and cross-border payment infrastructures. Participants will gain practical insights into financial market infrastructures (FMIs), SWIFT messaging, liquidity optimization, and risk mitigation frameworks, ensuring seamless transaction processing and regulatory compliance in a rapidly evolving global landscape.

With the rise of fintech innovation, blockchain integration, instant payments, and ISO 20022 standards, banks must adapt to modern clearing and settlement challenges. This course provides a strategic and operational understanding of settlement cycles, netting systems, central counterparty clearing (CCP), and delivery versus payment (DvP) mechanisms. Through real-world case studies, scenario-based simulations, and best-practice frameworks, participants will develop the capability to manage operational risk, enhance transaction efficiency, and support digital transformation initiatives in banking.

Programme Curriculum

Clearing and Settlement Systems for Banks Training Course

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Course Duration

5 days

Course Objectives

1. Understand modern clearing and settlement architectures and global payment ecosystems
2. Analyze RTGS, ACH, and instant payment systems with practical applications
3. Evaluate settlement risk, credit risk, and liquidity risk management frameworks
4. Master SWIFT messaging standards and ISO 20022 migration strategies
5. Explore central counterparty clearing (CCP) and netting mechanisms
6. Apply delivery versus payment (DvP) and payment versus payment (PvP) principles
7. Strengthen operational resilience and cyber risk management in payment systems
8. Assess cross-border payment challenges and correspondent banking models
9. Implement liquidity optimization and intraday liquidity management techniques
10. Examine blockchain and distributed ledger technology (DLT) in settlements
11. Interpret global regulatory frameworks
12. Improve transaction processing efficiency and automation strategies
13. Develop strategic insights for digital payment transformation and innovation

Target Audience

1. Banking operations and back-office professionals
2. Payment systems and settlement officers
3. Treasury and liquidity management teams
4. Risk management and compliance professionals
5. Central bank and financial regulators
6. Fintech and digital banking specialists
7. IT and systems integration professionals in banking
8. Audit and internal control professionals

Course Modules

Module 1: Fundamentals of Clearing and Settlement Systems

- Overview of **financial market infrastructures (FMIs)**
- Clearing vs settlement
- Types of payment systems
- Key stakeholders and system participants
- *Case Study:* Evolution of national payment systems modernization

Module 2: Payment Systems and Mechanisms

- Real-Time Gross Settlement (RTGS) operations
- Automated Clearing House (ACH) processing
- Instant and faster payments ecosystems
- Card payment clearing and settlement flows
- *Case Study:* Implementation of instant payment systems in emerging markets

Module 3: Settlement Risk Management

- Types of risks-credit, liquidity, operational
- Risk mitigation tools and controls
- Collateral management and margining
- Default handling procedures
- *Case Study:* Managing settlement risk during market stress

Module 4: Securities Clearing and Settlement

- Securities settlement lifecycle
- Central Securities Depositories (CSDs)
- Delivery versus Payment (DvP) models
- Corporate actions processing
- *Case Study:* Settlement failures and mitigation strategies

Module 5: Central Counterparties and Netting Systems

- Role of CCPs in financial markets
- Netting methodologies and benefits
- Clearing house operations
- Margin requirements and default funds
- *Case Study:* CCP risk management during financial crises

Module 6: Cross-Border Payments and SWIFT Systems

- Correspondent banking frameworks
- SWIFT messaging and standards
- ISO 20022 migration
- Foreign exchange settlement (PvP)
- *Case Study:* Cross-border payment delays and optimization solutions

Module 7: Emerging Technologies in Settlement Systems

- Blockchain and Distributed Ledger Technology (DLT)
- Digital currencies and CBDCs
- Smart contracts in settlements
- API-driven payment ecosystems
- *Case Study:* Blockchain-based settlement platforms in banking

Module 8: Regulatory Frameworks and Operational Excellence

- BIS and CPMI-IOSCO principles
- Compliance and regulatory reporting
- Operational resilience and cybersecurity
- Business continuity planning (BCP)

- *Case Study:* Regulatory response to payment system disruptions

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

Start Date	End Date	Location	Price
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