Banking Process Analytics 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 an era of persistent financial volatility and aggressive fintech disruption, modern banking institutions must pivot from passive operational resilience to hyper-accurate, continuous data-driven execution. Banking Process Analytics Training Course bridges the critical gap between traditional data science and financial process management. By converting messy, fragmented transaction logs across legacy core banking architectures into structured digital twins, professionals will master the mechanics of Object-Centric Process Mining (OCPM) and diagnostic data analytics. This program focuses explicitly on transforming operational friction into strategic differentiators, replacing manual, subjective process mapping with real-time, automated operational intelligence.

Participants will explore cutting-edge methodologies designed to capture, visualize, and optimize intricate financial workflows. By integrating predictive analytics, Agentic AI, and behavior-based risk models directly into live transaction streams, this course empowers banking teams to eliminate operational leakage, slash cycle times, and meet stringent regulatory mandates with absolute precision. Ultimately, it reshapes processing infrastructures from backend cost centers into highly responsive engines of institutional growth and customer retention.

Programme Curriculum

Banking Process Analytics Training Course

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Course Objectives

By the conclusion of this training program, participants will be equipped to:

- Discover hidden process paths and reconstruct end-to-end operational realities directly from enterprise event logs.
- Implement Object-Centric Process Mining (OCPM) to map complex, multi-entity banking workflows across legacy systems.
- Conduct automated conformance checks to immediately expose operational deviations, policy exceptions, and non-compliant paths.
- Isolate and eliminate process bottlenecks causing friction in high-volume retail lending and commercial credit underwriting.
- Engineer hyper-personalized customer journeys by correlating operational cycle times with customer drop-off data.
- Deploy Agentic AI and Intelligent Process Automation (IPA) pipelines to target high-impact automation candidates accurately.
- Establish real-time operational visibility using dynamic process intelligence dashboards instead of static periodic reporting.
- Optimize Liquidity and Capital Allocation pathways through granular, continuous scenario-driven balance sheet simulations.
- Integrate behavior-based risk scoring into live settlement workflows to preemptively capture fast-moving fraud patterns.
- Strengthen RegTech compliance mechanisms to automate internal audits and adhere smoothly to changing international supervisory expectations.
- Minimize rework loops and manual intervention rates in complex cross-border payment clearings and ISO 20022 messaging.
- Formulate robust Business Process Simulation (BPS) models to safely evaluate "what-if" organizational restructures prior to live execution.
- Construct a high-performance Process Center of Excellence (CoE) to drive an adaptive, human-in-the-loop, AI-augmented culture.

Target Audience

- Chief Operational Officers (COOs) & Transformation Directors
- Process Mining Architects & Data Scientists
- Head of Retail / Commercial Lending Operations
- Risk Management, Anti-Money Laundering (AML), & Compliance Officers

- Intelligent Automation & Robotic Process Automation (RPA) Leads
- Product Owners in Digital Banking & Fintech Integration
- Internal Auditors & Quality Assurance Managers
- Treasury & Corporate Finance Analysts

Course Modules

Module 1: Foundations of Bank Process Intelligence & Event Log Extraction

- Demystifying Process Mining
- Deconstructing information footprints
- Overcoming legacy system architecture hurdles.
- Distinguishing standard end-to-end process mining structures from modern Object-Centric Process Mining (OCPM).
- Data hygiene and governance
- Case Study: Reconstructing the Invisible Workflow

Module 2: Advanced Process Discovery & Automated Conformance Checking

- Algorithmic process discovery
- Analyzing operational variants.
- Executing automated conformance checks.
- Isolating compliance anomalies
- Root-cause analysis methods
- Case Study: Compliance Guardrails in Commercial Credit

Module 3: Bottleneck Analysis & Cycle-Time Optimization in Loan Underwriting

- Locating operational bottlenecks.
- Quantifying financial friction.
- Uncovering hidden rework loops.
- Resource utilization analytics.
- Optimizing credit decision loops
- Case Study: Eliminating Friction in Mortgage Underwriting

Module 4: Driving Automation ROI via Process Intelligence & Intelligent Automation

- Building data-driven automation pipelines.
- Calculating Automation ROI before deployment.
- Detecting "Broken Automation" traps.
- Monitoring automated hybrid steps.
- Process orchestration management.
- Case Study: Data-Driven RPA Deployment in Accounts Payable

Module 5: Fraud Mitigation, AML Conformance, & Behavior-Based Risk Analytics

- Unmasking complex financial crime patterns.
- Deploying behavior-based risk scoring.
- Optimizing payment investigations.
- Strengthening internal control lines
- Real-time operational alerts.
- Case Study: Exposing the Fraudulent Sequence

Module 6: Cross-Border Payments, Wealth Management, & ISO 20022 Optimization

- Deconstructing global payment processing.
- Navigating the ISO 20022 migration.
- Streamlining Wealth Management onboarding.
- Evaluating asset servicing pipelines.
- Reducing structural settlement risk.
- Case Study: Optimizing International Clearing Delays

Module 7: Business Process Simulation (BPS) & Predictive Balance Sheet Analytics

- Constructing scenario-driven simulation twins.
- Executing "What-If" impact assessments.
- Predictive process monitoring.
- Scenario analysis for liquidity management.
- Integrating data-driven insights into corporate governance.
- Case Study: Simulating Stress in Peak Processing Windows

Module 8: Establishing a Sustainable Process Mining Center of Excellence (CoE)

- Drafting the CoE Blueprint.
- Securing executive alignment.
- Fostering an AI-augmented culture.
- Scaling process intelligence across the enterprise.
- Ensuring long-term process integrity.
- Case Study: The Enterprise Optimization Engine

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

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