



British Training

**Advanced Financial Modeling From Theory to Strategic Decision-Making
Training Course**

#AB1356

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Introduction:

The ability to translate complex financial data into actionable insights is a cornerstone of modern corporate success. Recognizing this imperative, the British Training Center has curated a cutting-edge program focused on elevating expertise in Advanced Financial Modeling. This course bridges theoretical frameworks with practical applications, empowering professionals to navigate intricate financial scenarios with precision. Whether optimizing valuations, forecasting under uncertainty, or evaluating mergers, participants will gain mastery over tools that drive strategic outcomes.

Training Objectives and Impact:

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

- Construct dynamic, error-free financial models tailored to diverse business contexts.
- Integrate advanced Excel functions (e.g., Power Query, Monte Carlo simulations) into modeling workflows.
- Perform scenario analysis and stress-testing to assess financial resilience.
- Design integrated financial statements (IS, BS, CF) with automated linkages.
- Evaluate capital structure decisions using leveraged buyout (LBO) and WACC frameworks.
- Apply machine learning techniques for predictive analytics in revenue forecasting.
- Present model outputs persuasively to stakeholders through data visualization.

Targeted Competencies and Skills:

- Advanced Excel & Financial Software Proficiency.
- Scenario Planning & Sensitivity Analysis.
- Strategic Valuation Techniques.
- Data Interpretation & Predictive Analytics.
- Risk Management & Mitigation Strategies.
- Stakeholder Communication & Reporting.

Target Audience:

This program is tailored for:

- Financial Analysts and Senior Accountants.
- Investment Bankers and Private Equity Professionals.
- Corporate Finance Managers and CFOs.
- Business Consultants and Strategy Advisors.
- Professionals pursuing CFA, ACCA, or similar certifications.

Course Content:

Unit One - Foundations of Advanced Financial Modeling:

- Core principles of financial modeling best practices.
- Designing scalable, modular model architectures.
- Advanced Excel shortcuts, formulas, and auditing tools.
- Automating data imports using Power Query and macros.
- Error-checking techniques and model validation.

Unit Two - Advanced Valuation and Forecasting Techniques:

- Discounted cash flow (DCF) modeling with terminal value adjustments.
- Comparables analysis (public and transaction multiples).
- Forecasting revenue drivers using regression analysis.
- Building stochastic models for probabilistic outcomes.
- Integrating macroeconomic variables into long-term projections.

Unit Three - Scenario Analysis and Risk Management:

- Creating dynamic scenario managers (base, best, worst cases).
- Stress-testing models for liquidity and solvency risks.
- Monte Carlo simulations for probabilistic risk assessment.
- Sensitivity tables and tornado diagrams.
- Real options valuation for strategic flexibility.

Unit Four - Sector-Specific Financial Models:

- Building project finance models for infrastructure investments.
- M&A modeling: accretion/dilution and synergy analysis.
- LBO models for private equity transactions.
- Real estate cash flow modeling (NOI, IRR, equity waterfalls).
- Renewable energy project modeling (PPA, tax equity structures).

Unit Five - Model Outputs and Strategic Decision-Making:

- Translating model results into executive summaries.
- Designing interactive dashboards with Power BI.
- Crafting boardroom-ready presentations.
- Ethical considerations in financial assumptions.
- Post-model audits and iterative refinement processes.