

Financial Modelling & Valuation Curriculum

9 Months · 600+ Hours · 20+ Hands-On Models · 50+ Case Studies · Live Online

WHAT YOU WILL LEARN

Go from Spreadsheet Basics to Complete Company Valuation

Your learning journey is structured so each skill builds naturally on the previous one.

Excel for Finance

Build speed and accuracy using formulas, shortcuts and modelling conventions commonly used in finance.

Accounting & Financial Statements

Understand how the income statement, balance sheet and cash flow statement work individually and together.

Financial Analysis

Interpret historical financial information and identify the numbers that matter most.

Financial Forecasting

Create assumptions around revenue, costs, margins, working capital and business growth.

Three-Statement Modelling

Build integrated financial statements where assumptions flow dynamically throughout the model.

DCF Valuation

Estimate business value using projected free cash flows and discounting.

Comparable Company Analysis

Analyse how the market values similar publicly listed companies.

Scenario Analysis

Build base, upside and downside cases to understand different possible outcomes.

Sensitivity Analysis

Measure how valuation changes when important assumptions change.

Sector-Specific Modelling

Understand how financial models vary across different industries and business models.

Financial Presentation

Learn to organise and communicate financial findings clearly using Excel and PowerPoint.

AI-Assisted Financial Analysis

Use AI tools intelligently to accelerate research, analysis and repetitive modelling workflows while maintaining control over financial assumptions.

COURSE CURRICULUM

A Step-by-Step Curriculum Designed Around Real Analyst Workflows

The Financial Modelling & Valuation curriculum progresses through four stages.

STAGE 1 — BUILD YOUR FINANCE FOUNDATION

Start with the Skills Every Financial Analyst Needs

Before building sophisticated financial models, you need a strong understanding of the fundamentals.

Excel Essentials for Finance

Learn:

Excel interface and navigation

Keyboard shortcuts

Cell referencing

Relative and absolute references

Logical functions

Lookup functions

Financial functions

Date functions

Data validation

Conditional formatting

Tables and structured datasets

Error-checking techniques

Excel formatting standards

Efficient model navigation

Accounting Fundamentals

Understand:

Revenue

Expenses

Assets

Liabilities

Shareholders' equity

Depreciation

Amortisation

Working capital

Capital expenditure

Debt

Interest expense

Retained earnings

Understanding Financial Statements

Learn how to interpret:

Income Statement

Balance Sheet

Cash Flow Statement

Understand how these three statements interact and why a change in one statement can affect another.

Corporate Finance Fundamentals

Cover concepts including:

Time value of money

Cost of capital

Capital structure

Financing decisions

Investment decisions

Risk and return

Enterprise value

Equity value

Financial Statement Analysis

Learn to evaluate:

Revenue growth

Profitability

EBITDA margins

Liquidity

Leverage

Efficiency

Return metrics

Working capital

Cash generation

STAGE 2 — CORE FINANCIAL MODELLING

Build Financial Models the Way Analysts Approach Them

Once the fundamentals are clear, you'll move into model construction.

Introduction to Financial Modelling

Learn:

Why financial models are built

How professional models are structured

Inputs, calculations and outputs

Historical vs forecast periods

Assumption sheets

Model formatting

Consistency standards

Financial modelling best practices

Revenue Modelling

Build revenue forecasts using methodologies such as:

Historical growth

Volume × Price

Customer growth

Market share

Segment-level forecasting

Store/location growth

Subscription assumptions

Industry growth rates

Understand why revenue forecasts should be driven by business logic rather than arbitrary percentages.

Cost Modelling

Forecast:

Cost of goods sold

Employee expenses

Marketing expenses

Administrative expenses

Fixed costs

Variable costs

Operating margins

EBITDA margins

Working Capital Modelling

Model:

Accounts receivable

Accounts payable

Inventory

Working capital cycles

Receivable days

Payable days

Inventory days

Understand how operating decisions ultimately affect company cash flows.

Fixed Assets & Depreciation

Build:

Capital expenditure schedules

Fixed asset roll-forwards

Depreciation schedules

Asset additions and disposals

Debt & Interest Schedule

Model:

Opening debt

Additional borrowing

Repayments

Interest expense

Debt maturity

Closing balances

THREE-STATEMENT FINANCIAL MODELLING

Connect the Entire Business in One Financial Model

A three-statement model brings together the Income Statement, Balance Sheet and Cash Flow Statement.

Income Statement Modelling

Forecast:

Revenue

Cost of sales

Gross profit

Operating expenses

EBITDA

Depreciation

EBIT

Interest

Tax

Net income

Balance Sheet Modelling

Forecast:

Cash

Receivables

Inventory

Fixed assets

Other assets

Accounts payable

Debt

Other liabilities

Shareholders' equity

Cash Flow Statement Modelling

Build:

Cash flow from operations

Cash flow from investing

Cash flow from financing

Working capital adjustments

Capital expenditure

Debt movements

Integrating the Statements

Understand how:

Net income flows into retained earnings

Depreciation affects cash flow

Capital expenditure affects fixed assets

Working capital affects cash generation

Debt affects both cash and interest expense

Model Checks & Auditing

Learn to identify:

Balance sheet errors

Incorrect signs

Broken formulas

Circular references

Hardcoded assumptions

Inconsistent formulas

Cash discrepancies

BUSINESS VALUATION

Learn How Analysts Estimate What a Business Is Worth

Financial statements tell you how a company has performed.

Valuation asks a different question:

What could this business be worth?

You'll learn major valuation frameworks used across corporate finance, investment banking and equity research.

Discounted Cash Flow Valuation

Build a complete DCF model covering:

Free Cash Flow

Forecast period

Cost of equity

Cost of debt

Weighted Average Cost of Capital

Discount factors

Present value

Terminal value

Perpetual growth method

Exit multiple method

Enterprise value

Equity value

Net debt adjustments

Understand not just how to calculate a DCF, but how different assumptions influence the final valuation.

Comparable Company Analysis

Learn how analysts benchmark a business against similar listed companies.

Work with valuation multiples such as:

EV / Revenue

EV / EBITDA

EV / EBIT

Price / Earnings

Price / Book

Sector-specific multiples

Understand how to choose appropriate peers and interpret valuation differences.

Precedent Transaction Analysis

Understand:

Transaction comparables

Acquisition multiples

Deal values

Control premiums

Strategic premiums

Transaction context

FORECASTING, SCENARIOS & SENSITIVITY ANALYSIS

A Good Model Should Answer More Than One Question

Businesses rarely perform exactly according to one forecast.

That's why professional financial models should allow analysts to test multiple outcomes.

Base Case

Model the expected financial outcome based on reasonable assumptions.

Upside Case

Evaluate stronger revenue growth, higher margins or other favourable conditions.

Downside Case

Evaluate weaker growth, margin pressure or challenging market conditions.

Sensitivity Analysis

Test how valuation changes when assumptions such as these change:

Revenue growth

EBITDA margin

WACC

Terminal growth

Exit multiple

Break-Even Analysis

Calculate the level of revenue, sales volume or margin required for profitability.

ADVANCED & SECTOR-SPECIFIC MODELLING

Learn Why Different Businesses Require Different Models

A SaaS startup should not be modelled the same way as a bank, manufacturing company or property development.

You'll explore how model structures can change based on the underlying economics of a business.

Startup Financial Modelling

Understand:

User/customer growth

Revenue assumptions

Customer acquisition

Burn rate

Cash runway

Unit economics

Funding requirements

Startup valuation

Monthly Cash Flow Modelling

Build detailed monthly forecasts to understand liquidity and cash requirements.

Real Estate Modelling

Explore concepts such as:

Property cash flows

Development assumptions

Project costs

Financing

Investment returns

Bank Valuation Fundamentals

Understand how financial institutions require different analytical and valuation approaches.

Project Financial Modelling

Analyse project-based businesses and long-term investment opportunities.

Business Planning Models

Build financial models used for budgeting, strategic planning and internal decision-making.

AI FOR FINANCE PROFESSIONALS

Combine Financial Judgement with Modern AI Tools

AI can accelerate parts of financial analysis, but it cannot replace strong financial judgement.

You'll explore responsible ways to use AI tools for:

Financial research

Summarising company information

Reviewing annual reports

Analysing earnings commentary

Structuring modelling assumptions

Formula assistance

Identifying possible modelling errors

Scenario generation

Data interpretation

Presentation support

You'll also understand:

Where AI outputs can be unreliable

Why financial assumptions must be validated

Why analysts should never blindly accept generated outputs

How domain knowledge remains essential

The goal is simple:

Use AI to work faster without outsourcing your financial thinking.

STAGE 4 — LEARN BY BUILDING

PRACTICAL PROJECTS

Your Portfolio Should Prove What You Can Do

Instead of completing the program with only theoretical knowledge, you'll apply concepts through practical assignments and financial models.

Project 1 — Historical Financial Analysis

Analyse the historical financial performance of a company.

Skills Applied:

Financial statements

Ratios

Growth analysis

Margin analysis

Business interpretation

Project 2 — Operating Forecast Model

Build revenue and expense forecasts using key business drivers.

Skills Applied:

Revenue assumptions

Expense assumptions

Margin forecasting

Business drivers

Project 3 — Three-Statement Model

Build an integrated Income Statement, Balance Sheet and Cash Flow Statement.

Skills Applied:

Accounting

Forecasting

Excel

Statement integration

Project 4 — DCF Valuation

Estimate company value based on expected future cash flows.

Skills Applied:

Free cash flow

WACC

Terminal value

Enterprise value

Equity value

Project 5 — Comparable Company Analysis

Compare a company against relevant publicly listed peers.

Skills Applied:

Peer selection

Trading multiples

Relative valuation

Benchmarking

Capstone Project — End-to-End Company Valuation

Bring everything together.

You'll analyse a company, study its historical financial performance, forecast its financial statements, value the business and present your conclusions.

The objective is to create a piece of work that demonstrates your ability to approach a financial analysis assignment from beginning to end.

WHAT YOU'LL WALK AWAY WITH

More Than a Certificate

At the end of the program, you'll have developed practical assets that demonstrate what you've learned.

Financial Modelling & Valuation Certificate

Receive your certificate after successfully meeting the applicable completion requirements.

Portfolio of Financial Models

Build models covering areas such as:

Three-statement modelling

DCF valuation

Comparable company analysis

Forecasting

Scenario analysis

Sector-specific modelling

Capstone Valuation

Complete an end-to-end analysis that can help you discuss your practical experience during interviews.

Interview-Ready Understanding

Build the confidence to explain:

How financial statements connect

How forecasts are created

How businesses are valued

How assumptions influence valuation

How financial models are structured