

**CHARTERED**   
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

# CHARTERED FINANCIAL MODELING PROFESSIONAL™

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## CFMP™

**Fully Accredited  
By:**

Chartered Institute of  
Professional Certifications

CPD  
Certification Service



# PROGRAM OVERVIEW



Financial modelling is one of the most desired skills in today's corporate world. This **Chartered Financial Modeling Professional (CFMP™)** program is designed provide you with the skills to construct sophisticated financial models from scratch which can help you to improve **financial forecasting, budgeting, business analysis and capital budgeting decisions**. You will discover the most useful Excel features and techniques to build a robust financial model today.

With this accredited program, you will also improve your skills in financial analysis techniques and understand how to analyze financial statements from the models you have built. You will discover the complete range of techniques used in **financial forecasting, project financial returns and implement strategic financial reporting** for your organization. Beyond this, you will also learn how to improve your **financial risk management through risk modelling, Monte Carlo simulations and conduct risk sensitivity analysis**. Finally, you will learn to streamline the process of **financial data analysis** by learning **Excel Macros and VBA** in the last two modules of the program.

By the end of this program, you will receive the designation of Chartered Financial Modelling Professional (CFMP™) that can be used across your professional credentials, CV and LinkedIn profile. Globally demanded and recognized, this trademarked credentials that can only be used by professionals who have completed and passed our accredited Chartered Financial Modelling Professional program. We look forward to welcoming you to this program.

## ACCREDITATIONS



4.8



4.6



# KEY SKILLS YOU WILL GAIN

## From This Program



**ADVANCED FINANCIAL MODELLING  
FINANCIAL FORECASTING  
FINANCIAL BUDGETING  
FINANCIAL ANALYSIS**

**INVESTMENT APPRAISAL  
COSTS OF CAPITAL  
FINANCIAL RISKS SENSITIVITY ANALYSIS  
ADVANCE EXCEL FUNCTIONS**

**CAPITAL BUDGETING  
BUSINESS ANALYSIS  
RISK MANAGEMENT  
RISK MODELLING**

**RISKS ANALYSIS  
MONTE CARLO SIMULATIONS  
EXCEL VBA  
EXCEL MACROS  
FINANCIAL DATA ANALYSIS**

**STRATEGIC FINANCIAL PLANNING  
FINANCIAL MANAGEMENT**

# YOUR FACULTY DIRECTOR



## Duncan Williamson

### Award Winning Author, Faculty Leader and Contributor

Duncan Williamson is an author, trainer and business consultant specializing in Financial, Management Accounting and Spreadsheet Modelling with a sustained record of success established in the Financial and Commercial marketplaces. He is an inspirational presenter whose excellent communication skills have been demonstrated across countries and cultures assisting executive professionals to achieve their full potential.

Duncan's international experience includes multimillion dollars projects and consultancies carried out in the Middle East, Africa, Central Asia, South Asia, the Caucasus, the Balkans, Central Europe and Denmark. In addition to working as a consultant and trainer, Duncan worked in a wide variety of settings, ranging from working as a management accountant in process industries in the UK to product cost consulting in several industries in Eastern Europe and the Oil and Gas industry in the Middle East.

Duncan has published widely over the years on cost and management accounting, and is a major contributor to various magazines, journals and websites. His latest book is Finance for the "Non Financial Manager" which has just been published, January 2016. Prior to that, he has written "Excel Solutions for Accountants" in three volumes in June 2015, and "The Accounting and Bookkeeping Coach".

# OUR PARTICIPANTS

Over 70% of FORTUNE 500 Companies Have Attended Our Accredited Programs Before

Goldman Sachs

SAMSUNG

ExxonMobil

BURBERRY

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VOLVO

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Pfizer  
Life is our life's work

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# PROGRAM AGENDA



## MODULE 1: FUNCTIONS BY CATEGORY

- Lesson 1: Introduction to Excel's Built in Functions
- Lesson 2: Mathematical Functions
- Lesson 3: Statistical and Financial Functions
- Lesson 4: Logical and Text
- Lesson 5: Database Functions
- Lesson 6: Lookup and References Part 1
- Lesson 7: Lookup and References Part 2
- Lesson 8: Lookup and References Part 3
- Lesson 9: The Aggregate Function
- Lesson 10: The Aggregate Function (Excel File)
- Lesson 11: Excel Tables Part 1
- Lesson 12: Excel Tables Part 2
- Lesson 13: Excel Tables Part 3
- Lesson 14: Pivot Tables Part 1
- Lesson 15: Pivot Tables Part 2
- Lesson 16: Pivot Tables Part 3
- Lesson 17: Pivot Tables Part 4
- Lesson 18: Pivot Tables Part 5
- Lesson 19: Financial Model Auditing

## MODULE 2: ARRAY FUNCTIONS, GOAL SEEK, MATRIX CALCULATIONS AND INTRODUCTION TO POWER QUERY AND POWER PIVOT

- Lesson 1: Array Functions Part 1
- Lesson 2: Array Functions Part 2

- Lesson 3: Array Functions Part 3
- Lesson 4: Goal Seek
- Lesson 5: Power Query - Get & Transform
- Lesson 6: Dynamic Array Functions Part 1
- Lesson 7: Dynamic Array Functions Part 2
- Lesson 8: Dynamic Array Functions Part 3
- Lesson 9: SOLVER and MATRIX Algebra Part 1
- Lesson 10: SOLVER and MATRIX Algebra Part 2

## MODULE 3: INTRODUCING THE FINANCIAL STATEMENTS: TERMINOLOGY AND LAYOUT, READING A FINANCIAL REPORT

- Lesson 1: The Five Types of Financial Statements
- Lesson 2: Introduction to Financial Statements

## MODULE 4: ANALYZING FINANCIAL STATEMENTS: COMMON SIZE STATEMENTS, GROWTH RATIOS

- Lesson 1: Functional Structure of Ratio Analysis
- Lesson 2: Analyzing Financial Statements Part 1
- Lesson 3: Analyzing Financial Statements Part 2
- Lesson 4: Analyzing Financial Statements Part 3

# PROGRAM AGENDA



## MODULE 5: FORECASTING, FORECASTING FINANCIAL STATEMENTS

- Lesson 1: Introduction to Forecasting in Excel
- Lesson 2: The Forecast Sheet In Excel: Treble Exponential Smoothing

## MODULE 6: COMPUTING THE WACC, CAPITAL INVESTMENT APPRAISAL TECHNIQUES, SENSITIVITY ANALYSIS, DEVELOPING SCENARIOS

- Lesson 1: Introduction To The WACC And Capital Investment Appraisal
- Lesson 2: Computing The WACC And Capital Investment Appraisal

## MODULE 7: PREPARING FUNCTIONAL BUDGETS, PREPARING A CAPITAL BUDGET

- Lesson 1: Introduction to Preparing Functional and Capital Budgets
- Lesson 2: Functional Budgets: Engineering Method, Sensitivity Analysis, Capital Investment Appraisal
- Lesson 3: Time Schedule: Handy Hints, Initial Analysis Of Sales Data
- Lesson 4: Introduction To Regression Analysis For Budgeting
- Lesson 5: Regression Analysis For Budgeting

## MODULE 8: THE RISK MODELLING PROCESS, RISK AND RISK ANALYSIS, BUILDING A RISK MODEL

- Lesson 1: Introduction To Risk Modelling, Risk Analysis And Risk Models
- Lesson 2: Application Of RADR, Certainty Equivalents And Expected NPV And Risk
- Lesson 3: Risk Matrix, Risk Chart, Risk Step Chart, Country And Equity Risk Premium

## MODULE 9: MONTE CARLO SIMULATIONS: NATURE AND EXAMPLES, INTERPRETING MONTE CARLO SIMULATIONS

- Lesson 1: Introduction to Monte Carlo Simulation Examples, CVP Simulation, NORM.INV() Function
- Lesson 2: Monte Carlo Simulation Examples: Coins, Disc, Cards, Roulette, CVP Simulation, NORM.INV() Function

## MODULE 10: INTRODUCTION TO EXCEL VBA AND MACROS

- Lesson 1: Introduction Of Excel VBA And Macros
- Lesson 2: Introduction To Recording A Macro, The VBE, Generate Data And Create And Chart, Run Macro From A Button
- Lesson 3: Record And Run A Macro, Keyboard Shortcuts, Assign A Button

# PROGRAM AGENDA



- Lesson 4: Create A Pivot Table From A Button, Create A Chart From A Button, Highlight Values Only, Change Values To Millions, Reformat Values And Change To Text
- Bonus Reference

## EXAMINATION

# YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certification's programs are unique as they provide you with professional charter designation and mark that can be used across your lifetime once you have completed our programs.

After completing the program and passing the exam, you will be awarded the **Chartered Financial Modeling Professional (CFMP™)** designation charter that can be used in your resume, CV and other professional credentials. This designation is a global trademark and industry-recognized with lifelong validity. Globally demanded and recognized, this designation will help you distinguish your skillsets and you have attained expertise in undertaking the full spectrum of mergers and acquisitions.

Globally demanded and recognized, these trademarked credentials can be added to your professional credentials across your CV, LinkedIn profile and other professional standings to demonstrate your expertise in the area

# ABOUT US

49,525

Business Leaders Have  
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390

Certified and Fully  
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Chartered Leaders Have  
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## Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications program are fully accredited programs. The professional charter and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

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# OUR FACULTY DIRECTORS

We Collaborate With  
Instructors From  
Renowned Institutions



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**Wharton**  
UNIVERSITY of PENNSYLVANIA



**Stanford University**



**UNIVERSITY OF MICHIGAN**



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POLITICAL SCIENCE



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# CONTACT US TODAY

We Thank You for Your Ongoing Support  
of Our Programs

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