

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

CHARTERED INTEREST RATE DERIVATIVES, SWAPS AND RISK MANAGEMENT PROFESSIONAL™

CIRS™

Fully Accredited
By:

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW



Interest rate derivatives are crucial in the current financial landscape as they allow businesses and investors to hedge against interest rate fluctuations and mitigate their exposure to financial risks. According to a report by the Bank for International Settlements, **the notional value of outstanding interest rate derivatives contracts was over \$500 trillion at the end of 2020**. With such staggering numbers, it's clear that businesses need to take proactive measures to mitigate the impact of fluctuating market interest rates.

This **Chartered Interest Rate Derivatives, Swaps and Risk Management Professional (CIRS™)** program will equip you with a deep understanding of the **mechanics, pricing, and practical applications of all interest rate derivatives products**, including futures, forwards, swaps, and options in both interest rates and foreign exchange. Additionally, you will learn **how to navigate the credit, legal, and regulatory aspects of derivatives trading**, including ISDA documentation and the Dodd-Frank Act. This program will provide you with a thorough understanding of **interest rate futures and FRAs, foreign exchange forwards and swaps**, and cross-currency swaps. Furthermore, you will gain the best practices for derivatives management, ensuring you can navigate the complex and ever-changing landscape of the financial industry with ease.

ACCREDITATIONS



4.8



4.6



PROGRAM OVERVIEW



By the end of the program, you will have acquired an unparalleled level of expertise in **analyzing interest rate dynamics, quantifying and managing risk exposure, and developing highly effective interest rate derivatives strategies**. You will be equipped with the practical knowledge and skills necessary to navigate the complex and ever-changing derivatives market, and make informed decisions to maximize profits while minimizing risk exposure.

Upon completing this program and passing the Chartered exam, you will earn the **Chartered Interest Rate Derivatives, Swaps and Risk Management Professional (CIRS™)** designation. The CIRS™ designation is recognized as a prestigious and highly sought-after credential that testify your expertise and knowledge in **navigating effective interest rate derivatives, swaps implementations and risk management in today's complex financial landscape**. It will also increase your credibility and reputation in the field of finance and investment, potentially opening doors to new career advancement opportunities.

Globally demanded and recognized, this designation is an industry-recognized trademarked charter developed by the **Chartered Institute of Professional Certifications** and has lifelong validity. It is also independently accredited by CPD as adhering to the highest standards of continuing professional development.

ACCREDITATIONS



4.8



4.6



KEY SKILLS YOU WILL GAIN

From This Program



**INTEREST RATE DERIVATIVE TRADING
RISK ANALYSIS
RISK MANAGEMENT WITH INTEREST RATE SWAPS
SWAP PRICING AND VALUATION**

**KNOWLEDGE OF FUTURES & FORWARDS
KNOWLEDGE OF SWAPS AND OPTIONS
CROSS-CURRENCY SWAPS
INTEREST RATE FUTURES AND FRAS**

**DERIVATIVES MANAGEMENT
ISDA DOCUMENTATION
THE DODD-FRANK ACT
TRADING AND HEDGING STRATEGIES**

**CREDIT RISK AND CREDIT DERIVATIVES
INTEREST RATE OPTIONS VALUATIONS
MARKET RISK MANAGEMENT
MARKET TRENDS AND INTEREST RATES
CREDIT & LEGAL & REGULATORY ASPECTS**

**YIELD CURVE CONSTRUCTION AND ANALYSIS
FINANCIAL ACCOUNTING AND REPORTING FOR
DERIVATIVES**

YOUR FACULTY DIRECTOR



JC Fernandez-Seoane

Seasoned International Financial Risk Management Expert

J.C. Fernandez-Seoane is a distinguished professional with over 30 years of experience in international treasury, banking, and financial markets, specializing in risk management. As an accomplished leader in the trading, marketing, and sales of foreign exchange and interest rate derivatives, **J.C. has an impressive track record of establishing and restructuring derivatives businesses.**

Currently, J.C. serves as the Senior Vice-President and Director of Foreign Exchange at WSFS Bank in Philadelphia, where he is responsible for overseeing the bank's foreign exchange operations. In addition to his corporate role, J.C. is a dedicated educator, teaching financial and risk management courses at Manhattanville College and Muhlenberg College. As a **head instructor, he has collaborated with esteemed universities such as Yale, Toronto, and Syracuse on various finance and investment courses.**

J.C.'s expertise in corporate liquidity, capital, and risk management is further demonstrated by his **Certified Treasury Professional (CTP™)** designation, awarded by the Association for Financial Professionals. His extensive experience and commitment to excellence make J.C. Fernandez-Seoane a prominent figure in the world of finance and risk management.

OUR PARTICIPANTS

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



PROGRAM AGENDA



MODULE 1 - FUNDAMENTAL FINANCIAL CONCEPTS

- Time Value of Money & Pricing of Future Cash Cashflows
- Term Structure of Interest Rates, Forward, Cost of Carry, Arbitrage
- What are Derivatives?

MODULE 2 - INTEREST RATE FUTURES AND FRAS

- What is Interest Rate Risk?
- Forward Rate Agreements
- Interest Rate Futures

MODULE 3 - INTEREST RATE SWAPS

- IRS: Mechanics
- IRS: Use Cases
- Mark-to-Market and Margin Trading (Excel)
- Case Study

MODULE 4 - INTEREST RATE OPTIONS

- Cap & Floors: Definitions
- Cap & Floors: Mechanism & Risk Profile
- Swaptions

MODULE 5 - FOREIGN EXCHANGE FORWARDS

- Why Foreign Exchange?
- FX Forwards
- Interest Rate Parity
- Case Study

MODULE 6 - FOREIGN EXCHANGE SWAPS

- FX Swaps
- FX Swaps and FX Forwards (Excel)

MODULE 7 - FOREIGN EXCHANGE OPTIONS

- Foundations of FX Options
- Pricing of FX Options
- Options Strategies

MODULE 8 - CROSS-CURRENCY SWAPS

- Necessity of Cross-Currency Swaps & Cash Flows
- Used Cases

MODULE 9 - EXOTIC DERIVATIVES

- Types of Exotic Derivatives
- Used Cases: Barrier Options
- Appendix

PROGRAM AGENDA



MODULE 10 - SECURITIES & EMBEDDED DERIVATIVES

- Asset-Linked Notes
- Securitization & Credit-Default Swaps

MODULE 11 - CREDIT & LEGAL ASPECTS OF OTC DERIVATIVES

- Credit Aspects of Derivatives
- Legal Aspects of Derivatives: ISDA
- Regulatory Aspects of Derivatives: Dodd-Frank
- Case Study 1
- Case Study 2

MODULE 12 - BEST & BAD PRACTICES OF DERIVATIVES MANAGEMENT

- Best Practices of Derivatives Risk Management
- Bad Practices of Risk Management with Derivatives
- Case Study

EXAMINATION

YOUR CHARTER DESIGNATION



Upon completion of the program and successfully passing the Chartered exam, you will be awarded the prestigious **Chartered Interest Rate Derivatives, Swaps, and Risk Management Professional (CIRS™)** designation, which can be showcased in your resume, CV, and other professional credentials. This globally recognized and respected credential serves as a testament to your expertise in the field, granting you lifelong validity.

As a CIRS™ certificate holder, you will stand out as an **authority in interest rate derivatives, swaps, and risk management**, elevating your credibility and appeal to prospective employers or clients. Developed by the Chartered Institute of Professional Certifications, this industry-recognized and trademarked charter sets you apart in the competitive finance landscape.

Additionally, the program's content has been independently accredited and certified by the **Continuing Professional Development (CPD)** organization, ensuring that it adheres to the **highest standards of continuing professional development**. By attending the CIRS™ program, you will not only enhance your knowledge and skills but also gain a valuable and marketable credential that paves the way for career growth and success in the rapidly evolving world of finance.

ABOUT US

49,525

Business Leaders Have
Attained Their Chartered
Certifications Since 2009

390

Certified and Fully
Accredited Programs

87%

Chartered Leaders Have
Reported Career Promotions
and Enhancements

Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charters 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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UNIVERSITY



Wharton
UNIVERSITY of PENNSYLVANIA



Stanford University



UNIVERSITY OF MICHIGAN



**THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE**



**Columbia
Business
School**

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Business
School**



CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

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