

# **Comprehensive Risk Mgt. in Banking & Financial Institutions**

## **ADVANCED CERTIFICATION**

### **Program Description**

The Advanced Certificate in Comprehensive Risk Management in Banking & Financial Institutions is designed to build on the syllabus covered in Level I (Intermediate), and provide professionals with a comprehensive grounding in hedging, options and futures products, as well as in strategies involving their application. The implications of the Basel II Accord, capital adequacy requirements, and advanced credit derivatives are covered, as is a mathematical treatment of the "Greeks" and related sensitivity metrics that are used to manage both individual and portfolio-level risk exposures.

### **Required Courses Included In Curriculum**

#### Approaches to Integrated Risk Management

- Application of Option Pricing, the “Greeks” and Monte Carlo Simulation
- Application of Forecasting and Optimization Tools and Techniques
- Uses and Applications of Value at Risk and Institutional ALM Tools
- Managing Credit Risk and Counterparty Exposure
- Fixed Income Forwards and Futures Markets
- Foreign Exchange Cash, Forward and Futures Markets
- Hedging and Speculating with Options and Futures
- Rate Risk Management with Interest Rate Forwards and Swaps
- Complex Swaps, Options, Caps, Floors and Swaption Uses and Applications
- Currency Option and Swap Uses and Markets
- Use and Application of Equity Derivatives

The Globecon Institute reserves the right to modify, change or substitute Courses or Learning Units at any time, to guarantee a relevant and balanced learning experience.

### **Study Requirements and Delivery**

Delegates for this certification are expected to undertake between 10 – 12 hours effort per week. This grid below indicates the types of activities that delegates would undertake.

<b>Learning Activity</b>	<b>Time allocated</b>
Online, self study activities / resource room self study	60 hours
Live, in-class lectures and review	24 hours
Online video and/or audio lectures/Webinars	16 hours
Online mentorship and forum participation	10 hours
Assessment preparation	15 hours
<b>Total Hours</b>	<b>125 hours</b>

This certification is a blended education approach combining:

- A comprehensive student manual which serves as the guide for education activity;
- Online self-study materials, exercises, quizzes and learning activities;
- Live, face-to-face lectures and reviews;
- Pre-recorded video and / or audio lectures; and
- Online learning community through facilitated discussion forums, chat rooms and LiveHelp

### **Who Should Enroll**

Heads of Business units, middle managers, project managers and staff in traditional finance areas such as risk management, credit, investment banking and relationship management, research, structuring, sales and trading, and origination, as well as those in areas such as accounting, audit, legal and compliance, information technology, systems, operations and human resources, whose background is not primarily in finance. In addition, new hire analysts and associates across all functional areas of the financial institution, who intend to work and/or specialize in risk management.

A working knowledge of financial mathematics, quantitative methods, basic yield curve and cash flow pricing concepts is assumed, as well as a foundational familiarity with cash market and derivative instruments and markets and the basic principles of risk management and banking. Prior completion of the Intermediate Certification is highly recommended.

### **What You Will Learn**

Upon completion of this certificate program, you will be able to:

- Identify and analyze the risk exposures of corporate and financial institution clients
- Analyze and manage credit risk
- Analyze and manage interest rate risk
- Understand how to structure, price and evaluate the full spectrum of hedging alternatives in the cash and derivatives markets
- Comprehend the use of advanced and specialized hedging instruments and strategies and to utilize them to develop customized client solutions
- Manage credit risk portfolios by restructuring exposures with the use of credit derivatives
- Evaluate and mitigate risk exposures at the portfolio level
- Develop risk management strategies based on risk-adjusted return on capital targets
- Understand how to adjust basic value-at-risk models to appropriately reflect and manage client portfolios
- Analyze operational risk exposures

### **Certification Assessment**

One or more Mastery Tests and Assessment Activities are required for each subject in this certification. The goal of the tests and activities is to ensure delegates are able to apply their knowledge and skills to real industry situations. Mastery Tests are administered in person. Assessment Activities may include one or more or combination of case studies; exercises; project work; essays; and, reports.

### **Course completion requirements**

Delegates must successfully complete all core subjects (a total of 24 credits) within two (2) years of the initial date of enrolment. Typical delegates can achieve this qualification within 6 – 9 months.

### **Course Admission requirements**

Delegates must have completed the Intermediate Certification in Comprehensive Risk Management in Banking and Financial Institutions prior to registering for this certification.

### **Other Intermediate Certifications**

The Foundations of Finance Certification provides successful delegates the core knowledge required in the financial services sector. Intermediate and Advanced specialized tracks are available to build on this foundation with advanced specialization and certifications.