

www.cardiffinstitute.uk

EMBA

EXECUTIVE
Professional Programme

DATA SCIENCE



WHY CARDIFF INSTITUTE OF THE UNITED KINGDOM EXECUTIVE MBA?

You're ready to take the next step in your career development. And you want to make the right choice in an **EMBA Professional programme**. Students from several backgrounds have found **the EMBA Professional programme** at Cardiff Institute offers the comprehensive and innovative business education they need.

Through rigorous coursework and real-world experiences, you develop the management knowledge, analytical and problem-solving skills, and leadership abilities to blaze new trails in your career. You acquire a multidimensional perspective on the continually changing global business environment in which you must compete. And you gain confidence knowing you're better prepared for the unknown challenges.

You're looking to fast-track your career growth and can commit the time and resources to invest in the Institute full-time. The Traditional EMBA is designed to give you an intensive and personal learning experience—and the chance to focus your energies exclusively on preparing for your future.



PROGRAMME OVERVIEW

RIGHT HERE. RIGHT NOW.

In today's rapidly evolving business landscape, data is the new currency. Our Executive MBA in Data Science is designed for visionary leaders who aspire to harness the power of data to drive strategic decision-making and innovation. This cutting-edge program blends advanced data science techniques with essential business acumen, empowering you to transform complex data into actionable insights and lead your organization to new heights. Join a cohort of dynamic professionals and take the next step in your career with an Executive MBA that bridges the gap between business leadership and data expertise.

CAREER GROWTH

Explore the challenges and opportunities that **CIUK's EMBA Professional programme** has to offer. Admission is highly competitive and is based on several factors: your fit within the programme and potential contribution to a collegial learning environment, relevant work experience, leadership potential, letters of recommendation and a competitive GMAT score.

HOW TO APPLY



APPLY TODAY

Early application is advised since enrollment is limited. Programme applications are available online at www.cardiffinstitute.uk Students are also required to submit:



Online Application



Updated Resume



University Certificate



Career Statement



English Placement Test



Applicant Interview

01

**INTERNATIONAL
MARKETING
STRATEGY**

Students will a critical understanding of international marketing strategy in the context of global operations to effectively satisfy the objectives of individuals and organisations in both domestic markets and across national borders.

02

**CORPORATE
FINANCE AND
DECISION MAKING**

The purpose of this unit is to impact students' understanding of the importance of, accountability for, and control over a business organisation's financial resources. It will equip students with the skills necessary for sound organisational financial management at a strategic level.

03

**LEADERSHIP, PEOPLE
AND CHANGE**

The module will introduce the concept of leadership and its significance to organisational success, covering the relationship between people within the organisation and its leaders, culture, and the overall strategy.

Also, it will cover the role of the leader in managing human resources in times of change, explore drivers of change, and change strategies.

04

**ENTREPRENEURSHIP
AND INNOVATION**

The purpose of this module is introducing the importance of innovation and a clear understanding of how an enterprise function and develops, as well as highlight how enterprises grow and the benefits and risks to innovation.

It will equip students will the skills necessary for entrepreneurship, covering business plans and pitches to investors.

05

**STRATEGIC
MANAGEMENT**

Students will gain a thorough understanding of the process of strategy formation, development and implementation to improve organisational performance and create competitive advantage.

06

**PROJECT
MANAGEMENT**

Students will be introduced to the discipline and profession of project management and learn transferable skills that help them succeed in a project environment.

07

**BUSINESS RESEARCH
METHODOLOGY**

By the end of this topic, the learner will be able to develop and present a research proposal. This includes the purpose of a research proposal, Research proposal content, Evaluating research proposal, and Research proposal example.

08

**HUMAN
RESOURCE
MANAGEMENT**

Students will develop a critical understanding of the major practices and processes designed to manage the performance of an organisation's human resources in a variety of organisations and across a range of geographical locations.

09

**DATA SCIENCE
FOUNDATIONS**

Students learn the essential knowledge of core data science concepts and techniques. It covers data collection, exploratory analysis, statistical methods, machine learning basics, and visualization. Through hands-on

experience by working with real-world datasets, preparing them for advanced data science courses and enabling them to analyze data, make informed decisions, and communicate insights effectively.

10

**PROBABILITY AND
STATISTICS FOR
DATA ANALYSIS**

Students learn to analyze data and apply regression analysis and statistical modelling. This module equips them with the skills to make data-driven decisions and effectively communicate insights to stakeholders.

10

**DATA MINING,
MACHINE LEARNING
AND ARTIFICIAL
INTELLIGENCE**

Students learn data mining, machine learning, and AI techniques to extract insights, build predictive models, and solve complex business challenges to apply advanced data analysis methods and harness the power of AI in solving complex business challenges.



**PROGRAMME
DURATION**
14 - 16 MONTHS

GET TO KNOW US

We encourage you to learn more about our programme by visiting our classes by attending one of our information sessions, where you can speak directly with the director, team, faculty, Alumni and current students.

For more details, contact our Admission dept at, admissions@cardiffInstitute.uk
www.cardiffInstitute.uk

