

MASTER OF SCIENCE IN FINTECH

FACTFILE

Delivery

Blended - Livestream with some Campus Stream classes, scheduled in advance. See page 4 for more information

Application

Apply online at www.ncirl.ie

Start Date

Sept 2022

Part-time Schedule

Indicative Schedule

Two evenings per week 18.00 - 22.00 and some Saturdays.

Duration

2 years; 4 semesters with a final research project.

Please note that exams can be scheduled during the morning, afternoon, or evening Monday to Saturday.

Fees

€4,700 per annum
€9,400 total fee
(Fees revised annually)

Full-time Schedule

Indicative Schedule

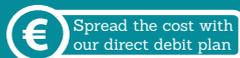
Students need to be available 09.00 - 18.00 Monday to Friday.
(Class days and times vary)

EU Fee

€6,800
(EU/Ireland applicants)
(Fees revised annually)

Duration

1 year; 2 semesters with a final research project.



In accordance with our quality assurance processes, we conduct a full programmatic review of all our courses every 5 years. This current review may result in some changes to the content of this course starting in September 2022.

Course Description

Finance is a highly regulated industry that resists disruption and change. However, information technology innovations and computing resources availability have revolutionised the financial sector in the last decades. Data analytics, new technologies (e.g., blockchain) and business models (e.g., crowdfunding), and the modernisation of the financial sector regulations are creating opportunities to the emergence of disruptive services and challenger institutions.

This course provides learners with the latest knowledge and competencies at the intersection of finance and technology, allowing them to exploit opportunities in this rapidly evolving area. NCI is perfectly placed to deliver an industry-focused programme inspired by its location at the heart of the International Financial Services Centre. The course is completely delivered by faculty and industry practitioners with established experience in the fintech domain.

Who is the course for?

This interdisciplinary course will appeal to graduates of finance, computing and business seeking to enter the area of fintech; and industry practitioners seeking to gain insightful experience and exposure to the principles of fintech, as well

as data analytics and emerging technologies.

Learners on the programme will gain in-depth knowledge and skills in the core topics of fintech including:

- Financial Markets and Financial Services Regulation
- Financial Data Analysis
- Blockchain Technologies
- Governance, Compliance, and Information Assurance
- Cybersecurity and IT Auditing
- Data Analysis and Visualisation
- Entrepreneurship in fintech including organisational models and culture

Award and Progression

The Master of Science in Fintech is awarded by QQI at level 9 on the National Framework for Qualifications. Students who successfully complete this course may progress to a major award at level 10 on the NFQ.

According to a recent Graduate Outcomes Survey – Class of 2018 released on June 2020 by the Higher Education Authority; ICT graduates receive the highest earnings nine months after graduating compared to the overall younger graduate average based on the analysis of the destinations of students who graduated in 2018.

Entry Requirements

A level 8 degree (2.2 award) or its equivalent in one or more of the following domains: computer science, finance, business, or economics. Cognate disciplines will also be considered. Note that applicants lacking both a clear financial and technology component may still be eligible but are subject to review.

The college operates a Recognition of Prior Experiential Learning (RPEL) scheme, meaning applicants who do not meet the normal and academic entry requirements, may be considered based on relevant work or other experience. Non-English-speaking applicants must demonstrate fluency in the English language as demonstrated by an IELTS academic score of at least 6.5 or equivalent.

Laptop Requirement

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 8GB of RAM (16GB are recommended); a modern 64-bit x86 processor (Intel i5 or superior); 250+ GB of available space in hard disk; WiFi card; and a recent version of Ubuntu, macOS or Windows.

It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT does not provide support for personal devices.

Some students may be able to avail of the Student Laptop Loan Scheme, subject to eligibility. See page 77 for more information. and Cloud Security.

COURSE CONTENT

Core Modules

- Data Analytics
- Data Governance and Compliance
- Financial Markets
- Information Assurance and Cybersecurity
- Blockchain Technologies
- Contemporary Topics in Fintech
- Financial Analytics
- Entrepreneurship in Fintech
- Industry Based Research Project
- Research Project

Electives

- Crowd Markets
- Digital Forensics and Auditing

COURSE DELIVERY

for 2022/23

The majority of NCI's part-time programmes featured in this prospectus will be delivered in a blended format for 2022/23.

In most programmes this will mean the majority of the programme content will be delivered online but with some on-campus sessions. This will vary with the programme, but the breakdown of your course will be communicated to you in advance, and you will be able to plan for any required campus elements.

Across courses the following delivery methods may be employed:

Campus – The learning event (lecture, tutorial, laboratory, or seminar) takes place face to face on campus.

Livestream – The learning event takes place online.

Campus-stream – The learning event takes place face to face on campus and is simultaneously streamed online.

Directed e-learning – There are specified tasks to be carried out by students during a designated time interval (such as viewing a video, taking a quiz)

How these elements are broken down for each course will be available on the course pages on ncirl.ie.

In some instances, recorded lectures may also be available.

Bring Your Own Device

Given the amount of online content in these programmes it is a requirement that all students applying to NCI have access to a suitable laptop and broadband that will allow them to engage with online and other classes. A student laptop loan scheme is available for eligible students. See page 77.