

HIGHER DIPLOMA IN SCIENCE IN DATA ANALYTICS

Factfile

Part-time Schedule

Location
IFSC Campus

Application
Apply online at
www.ncirl.ie

Start Date
Sept 2020

Fees
€4,500
(Fees revised annually)

Classroom Delivery Option (1 Year)

There will be two groups of this programme.

Indicative Schedule
Group 1 Three days a week
18.00 - 22.00 and a number of
Saturdays 09.00 - 18.00
Group 2 Monday and
Wednesday 18.00 - 22.00
and every
Saturday 09.00 - 18.00

Duration
This course is 3
semesters delivered
over 1 calendar year

Online Delivery Option (1 & 2 Years)

Indicative Schedule
Three evenings per week,
18.00 - 22.00.

Duration
This course is 4
semesters delivered
over 2 calendar years



Course Description

This course will equip you to enter the world of data analytics. It will give you the technical skills in areas like statistics, programming, database management and web mining in addition to business skills such as communication.

Who is the course for?

The course is particularly suitable for those with numeracy skills who wish to work as data analysts, business analysts or to enter into management roles across a range of sectors. You do not need to have previously studied programming. However, given the timeframe and the amount of technical and statistical content, applicants should be prepared to commit fully to the course.

Entry Requirements

Applicants holding an honours degree (level 8 or equivalent) in any discipline will be considered. Candidates will ideally be able to demonstrate technical or mathematical problem-solving skills as part of previous course learning. Typically, holders of more technical, numerate degrees are likely to gain a higher ranking in any order of merit in selection for the course.

For candidates who do not have a level 8 qualification the college operates a Recognition of Prior Experiential Learning (RPEL) scheme meaning applicants who do not meet the normal academic entry requirements may be considered based on relevant work or other experience.

Laptop Requirements

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 or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; WiFi card; and a recent installed release

of Windows operating system. 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 cannot provide support for personal devices.

Award and Progression

Higher Diploma in Science in Data Analytics is awarded by QQI at level 8 on the National Framework of Qualifications. Students who successfully complete this course may be eligible to progress to a major award at level 9 on the NFQ.

Assessment

The course will be assessed with a blend of continuous assessments and/or project work and exams. This varies between modules but typically assessment is split 60:40 between exams and continuous assessment. Please note that in some instances exams may take place in the daytime and at weekends.

COURSE CONTENT

- Introduction to Data Analytics
- Business Analysis and Communication
- Business Data Analysis
- Programming for Big Data
- Data and Web Mining
- Advanced Business Data Analysis
- Data Visualisation
- Project