

HIGHER DIPLOMA IN SCIENCE IN DATA ANALYTICS

FACTFILE



Application

Apply online at
www.ncirl.ie

Start Date

Sept 2023

Duration

(1-Year Option)

3 semesters delivered
over 1 calendar year

(2-Year Option)

4 semesters delivered over
2 calendar years

Delivery

Blended - Livestream with
some on-campus stream
classes, scheduled in
advance. See page 4
for more information.

Indicative Timetable

(1-Year Option)

Three evenings per
week, 18.00 - 22.00

(2-Year Option)

Two nights a week,
18.00 – 22.00, and a
number of Saturdays,
09.00 – 18.00.

Fees

€4,725

(Fees revised annually)

Course Description

The objective of this course is to provide you a broad combination of themes around data analytics that creates valuable insight and professional expertise.

The programme has been designed and developed with industry experts to ensure that graduates develop core theoretical and practical skills in specialist areas such as Statistics, Business Intelligence, Data Governance, Databases, Programming and Machine Learning. This course will equip you to enter the world of data and business analytics.

Who is the course for?

This programme is suitable for non-technical professionals and college graduates from non-technical disciplines, 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. Non-English-speaking applicants must demonstrate fluency in English evidenced by an IELTS academic score of at least 6.0 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 (16 GB or more 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.

Some students may be able to avail of the Student Laptop Loan Scheme, subject to eligibility. See page 85 for more information.

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

- Statistics I
- Programming for Data Analytics
- Data Governance
- Statistics II
- Databases for Analytics
- Business Intelligence
- Machine Learning
- Project

