

HIGHER DIPLOMA IN SCIENCE IN WEB TECHNOLOGIES

Factfile

Part-time Schedule

Location
IFSC Campus

Application
Apply online at
www.ncirl.ie

Start Date
Sept 2019

Fees
€4,500
(Fees revised annually)

Classroom Delivery

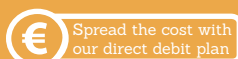
Indicative Schedule
Three evenings per week
18.00 - 22.00 and a number
of Saturdays 09.00 - 18.00

Duration
This course is 3 semesters
delivered over 1 calendar
year

Online Delivery

Indicative Schedule
Two evenings per week
18.00 - 22.00 and a number
of Saturdays 09.00 - 18.00

Duration
This course is 3 semesters
delivered over 1 calendar
year



Course Description

This course will appeal to non-technical professionals who would like to upgrade their skills in applying web technologies to their organisation or for anyone who would like to make a career change into the computing industry. The course will give them the opportunity to develop expertise in an important growth area of IT that relates to web technologies.

The programme is practical in nature and aims to provide individuals with an understanding of how to create rich internet web applications using the latest web frameworks.

Who is the course for?

This course is for non-technical professionals in the workplace and college graduates from non-technical disciplines at level 8 on the National Framework of Qualifications. It should be noted that the course contains a large amount of technical content and independent study on projects and assessments.

As a graduate of this course, you will be able to:

- . Understand the foundations of computing such as the binary number systems, software engineering principles and database design
- . Create a web application
- . Use a web framework to create web applications
- . Understand the latest web 2.0 technologies
- . Create a rich internet application that can communicate asynchronously
- . Engineer a web application from requirements through analysis, design, implementation and testing
- . Connect the web application to a database.

Award and Progression

The Higher Diploma in Science in Web Technologies is awarded by QQI at level 8 on the National Framework of Qualifications. Students who successfully complete this course may progress to a major award at level 9.

Entry Requirements

Applicants holding an honours degree (level 8) in any discipline will be considered for the course. The college operates a Recognition of Prior Experiential Learning (RPEL) scheme meaning applicants who do not meet the normal academic requirements may be considered based on relevant work and other experience. This may be assessed using a portfolio of learning, demonstration of work produced and interview.

COURSE CONTENT

- Object Oriented Software Engineering
- Web Design
- Server Side Web Technologies
- Introduction to Databases
- Digital Multimedia
- Computer Architecture Operating Systems and Networks
- Web Application Development
- Project