



BSC (HONOURS) IN TECHNOLOGY MANAGEMENT

Duration: CAO Points 2020:

Four Years
Full-Time

266

NFQ Level: CAO Code

Level 8

NC023

With specialisations in:

1. Data Analytics
3. Business Analysis

About the Course

The BSc (Honours) in Technology Management course is designed to enable students to develop and refine business, leadership, and managerial skills with an in-depth understanding of the fundamental principles of management in a technology environment. The course provides a sound knowledge base of technology management principles and their practical application.

As a graduate of this course you will:

- Build a knowledge and understanding of theory, concepts, and methods in the IT and business fields in particular in the following areas (according to specialisation): information systems, business analysis, data analysis, social media.
- Gain a detailed knowledge and understanding of how to develop the organisation's IT strategy, the expertise required for successful information systems management, and how the business environment in technology operates.
- Analytically identify, select, formulate and manage strategies and solutions in business and technology management.
- Organise teams in an information technology environment with an understanding of the different roles.
- Learn to use different technology resources, such as data and information systems, to inform decision making.
- Apply appropriate independent learning strategies which meet the requirements of the rapidly changing computing industry.
- Express a comprehensive view through presentations, both written and oral.
- Answer questions on the theoretical and practical context of technology management.
- Gain a view of how humans perceive and react to change, and the importance of culture and leadership in an organisation.

Course Structure and Award

This full-time course is a four-year honours degree run over eight semesters with continuous assessment held throughout the course and examinations at the end of each semester. On completion you will receive a QQI BSc (Honours) in Technology Management at level 8 on the National Framework of Qualifications.

Work Experience

The course is industry focused with a six-month work placement. NCI students are highly sought after and have completed work experience in companies like Microsoft, O2, ESB, Wells Fargo, Dotmobi, Datalex and Intel.

Career Prospects

The interdisciplinary nature of the course is designed to lead graduates towards employment in the business and/or information technology domains. Graduates from this course are working within companies including Google, Citi, Hertz, Dell, BNY Mellon, Electric Ireland, Hewlett Packard, OmniPay, and Realex Payments. Roles are diverse and include sales, account management, fund accounting, data analysis and management information reporting.

Course Fees

This course qualifies under the Free Fees Initiative and the Student Grant Scheme.

Further Study Options

Upon successful completion of the BSc (Honours) Degree in Technology Management, graduates can progress to postgraduate programmes at level 9 on the National Framework of Qualifications such as the MSc in Fintech and MSc in Data Analytics at National College of Ireland.

Laptop Requirements

NCI strongly advises that all students should have access to a suitable laptop for their course. A student laptop loan scheme may be available for certain eligible students. Details of the laptop loan scheme and laptop specifications, which can be different for each course, are available on our website.

Who is the course for?

If you are interested in IT and business this course will appeal to you. The course is for school leavers, mature students and graduates of QQI level 5/6 programmes who wish to embark on a course of full-time study.

Minimum Entry Requirements

Minimum entry requirements are a grade H5 and above in two higher level subjects together with a minimum of O6/ H7 in four other subjects. A minimum of grade O6/ H7 must be obtained in English. A grade O6/H7 must be obtained in Mathematics. Mature applicants, applicants with a disability or those applying through the DARE or HEAR access schemes should consult page 70 and 71.

A GUIDE TO COURSE CONTENT

Year 1

Semester 1

- Problem Solving and Programming Concepts
- Introduction to Mathematics for Business and Computing
- Web Design
- The Computing Industry
- Managing Your Learning

Semester 2

- Software Applications for Business
- Introduction to Management
- Introduction to Marketing
- Introduction to Programming
- Digital Multimedia

Year 2

Semester 1

- Introduction to Databases
- Fundamentals of Business Analysis
- IT Project Management
- Web Application Development
- Organisational Behaviour

Semester 2

- Introduction to Human Resource Management
- Data Communications and Networking
- Interdisciplinary Team Project
- Business Entrepreneurship
- Principles of Accounting

Year 3

Semester 1

- Advanced Databases
- Team Project
- Accounting for Business
- Business Intelligence and Data Warehousing

Semester 2

- Work Placement*
- *Full six months within an organisation OR Academic Internship
- Business Application Development
- Business Communication Skills
- Application Lifecycle

Year 4 - Choose a Specialisation

Year 4

Data Analytics Specialisation*

Semester 1

- Project
- Global Supply Chain Management
- Business Data Analysis
- Programming for Big Data
- Strategic Management
- Information Systems Management

Semester 2

- Project
- Data and Web Mining
- Advanced Business Data Analysis

Year 4

Business Analysis Specialisation*

Semester 1

- Project
- Global Supply Chain Management
- Requirements Management
- Business Data Analysis
- Strategic Management
- Information Systems Management

Semester 2

- Project
- Agile Project Management
- Business Process Management



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*In your 4th year of study you choose one of the above specialisations