CORK
UNIVERSITY
BUSINESS
SCHOOL

MSc Business Information
Analytics Systems
CKL51

UCC
University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Business Analytics enables organisations to exploit the data and IS systems at their disposal to maximise organisational performance.
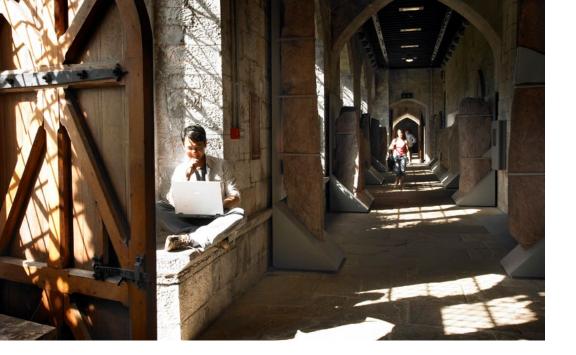
The MSc Business Information and Analytics Systems (MSc BIAS) will enable students to develop the skills necessary to gain business insights to improve business decision-making.

Business Analyst and Project Manager are listed as two of the top ten jobs in the IS / IT sector.

The (MSc BIAS) is designed to provide students with the skillset to be successful in these roles.

Organisations today need people who know how to gain knowledge from data so that business decisions are based on data and insights rooted in the business context.

"The MSc BIAS gave me the opportunity to develop myself both technically and professionally. By the end of this course, you will look at data in a different light."
– Jane Downey MSc BIAS 2017

PROGRAMME DESCRIPTION

The MSc Business Information and Analytics Systems (MSc BIAS) provides students with a portfolio of business and analytical methods for solving problems and supporting decision making.

The MSc BIAS provides students with a specialism in Business Analytics as well as an extensive knowledge of business and IS concepts.

At the core of this programme is a selection of topics covering cloud technologies, Business Intelligence and Business Analytics, IT performance management, data management and IT project management.

A research project will allow student groups to explore and develop an IT solution to a business problem specific to the Business Information and Analytics Systems area.

This programme provides students with the technical skills and techniques needed by organisations to explore organisational issues and to support decision-making within a business context.

UNIQUE ASPECTS

This is a 12 month course where students build on their current technical qualifications.

Students develop a skill set appropriate for roles such as business analyst, data analyst, consultant, project management and IT manager.

This programme is strongly associated with business where data and information plays a critical part.

Active input on programme content and specialisms is continuously incorporated from multinational industry leaders.

The MSc BIAS considers the technical enabling capability of IS and the behavioural aspects of management that support informed decision making.

The programme places an emphasis on design thinking and a cognitive approach to decision making.

CAREER INFORMATION

What can I do after I graduate with a MSc Business Information Analytics Systems?

Consultancy firms, financial services firms, manufacturing and services organisations all require graduates who are data savvy and who can analyse data and draw conclusions.

The MSc BIAS will focus on the development of these skill sets.

Typical roles include Business Analyst, Business Analytics specialist, Data specialist, Consultant, Project Manager, Operations Research and IT Manager.

LEARNING OUTCOMES

On successful completion of this programme, students should be able to:

– Communicate and work effectively to a high professional standard

– Demonstrate advanced analytical and problem solving skills associated with effective practice

– Engage in advanced application of frameworks and techniques in organizational settings

– Conduct research for business / policy sponsors and academic audiences

– Self-direct career development

– Understand the organisational context of data and information for business analytics

PRACTICALITIES & ASSESSMENT

Practicalities
16 lectures hours per week with up to 4 hours of lab work per week.

Between 3 and 5 field trips will be organised throughout the year.

Group project work continues to early July, concluding the formal course content.

However, students may be required to complete an individual essay in their own time up until the end of July / early August.

Assessment
A hybrid approach to assessment is used in this programme.

Assessments methods include formal written exams, essays, group and individual project work and some lab practicals.

Some modules are 100% continuous assessment and most modules have a minimum of 40% continuous assessment.

During the programme, students will work individually and in groups.

A strong emphasis is placed on oral presentation of work.

Programme Code: **CKL51**
Duration: **1 year (Full-Time)**
Teaching Mode: **Classroom**
Qualification: **MSc**
NFQ Level: **Level 9**

**Irish/EU Students
and International Students**

Applicants must have:

– A 2H2 (GPA 3.00 out of 4.00) primary degree at NFQ Level 8 Honours Degree or equivalent, with appropriate information systems or computing technology skills content.

– You may also be admitted to the programme on the basis of extensive practical or professional experience, as deemed appropriate by the Professor of Business Information Systems and the School of Business.

– Typical students are from technical disciplines such as, Management Information Systems (MIS) or Business Information Systems (BIS), engineering, computer science and mathematics. It is also suitable for business and humanities graduates who have studied computer science and Business Information Systems (BIS) subjects with some computer programming content.

English Language Requirement:

Applicants from non-native English-speaking countries will be required to undertake a recognised English language test.

Please see accepted tests and minimum requirements below.

IELTS: 6.5
With no individual section lower than 5.5

TOEFL: 90
With minimum scores as follows:
– Listening: 17   – Reading: 18
– Speaking: 20   – Writing: 17

Cambridge Proficiency Exam: Grade C
Cambridge Advanced Exam: Grade B

Pearson PTE: Minimum Score of 63
With no section score below 59

Priority will be give to candidates with very high language skills.

APPLICATION PROCESS

Application for this programme is online at the Postgraduate Application Centre **www.pac.ie/ucc** (PAC Code: CKL51)

For more information on the Programme go to:
www.cubsucc.com/programmes/postgraduate/msc-business-information-and-analytics-systems/

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