

## BSc (HONS) COMPUTING WITH DATA ANALYTICS (NFQ LEVEL 8)

**CODE: TA\_KACOD\_B**

**1 Year Add on - 60 Credits**

### Who is this course for?

The course would particularly suit anyone who has already worked in an information technology role and who now needs to update or up skill in order to access current job opportunities. There is a skills gap in Ireland and internationally for Data Scientists with Computing and Business Intelligence skills. This add-on degree specialisation, designed in consultation with major IT Companies such as SAP, IBM & Microsoft develops a unique mix of Computing, Business Intelligence and Data Science skills to address this gap. In addition to the common computing core you will learn, Statistics & Data Analysis, Machine Learning, Artificial Intelligence, Big Data Analysis & Programming, Business Intelligence, Social Media Analysis & Visualisation, Data Mining and Intelligent Agents for Knowledge Discovery.

### Entry Requirements

Participants on this course must have a minimum level 7 award with competence in statistics, IT and scripting/ programming. Applicants require a level 7 award in computing or equivalent in a cognate area.

### Course Timetable

The course runs 3 evenings a week (Tuesday, Wednesday, Thursday)

### Who can apply?

This course is open to all eligible students

### Course Summary

This add-on BSc degree in Computing with Data Analytics includes new modules in the area of Data Analytics based on industry requirements. The Department of Computing in IT Tallaght uses cloud technologies and academy materials from industry providers such as Microsoft Azure, Amazon AWS, Intel, SAP and Tableau.

### Course Modules

Data Analysis and Programming
Information Management
Interactive Media Design & Visualisation
Social Media Analysis and Information Integration
Enterprise Performance Architecture
Enterprise Database Technologies
IT Governance and Quality
Artificial Intelligence and Logic
Operations Research
Project (15ects)

In this information age many organisations are data-rich, information poor. Modern IT Systems permit the accumulation of phenomenal amounts of data, however turning this data into useful information for a business or organisation is another matter.

Graduates of the course will have a strong set of computing knowledge and skills allied to specific computing focused data analytics skills. They will be given a sufficient grounding in data analysis and database operation to be able to perform basic well founded data analysis. Students will further receive a solid grounding in data reporting, presentation and visualisation.

## Career Opportunities

Graduates from this course have went on to pursue roles as data analysts, data visualisation specialists, business intelligence specialists, cloud architects, support specialists, QA consultants, database administrators, web developers managers with such companies as SAP, Microsoft, IBM, Fidelity, Openet, Ergo, Salesforce and Bank of Ireland.

## How to Apply

### Apply directly to IT Tallaght

Please apply through [www.it-tallaght.ie](http://www.it-tallaght.ie)

Total cost of course is €3550

### Please Note

You will be required to pay a €100 application fee with your application. If you are not offered a place on the course your application fee will be refunded. If you are offered a place on the course your fee will be put towards your full course fees. If you do not accept the offered place you will forfeit the application fee.

**The balance of fees due are as follows:**

**On acceptance of place - €550**

**Full fee paid by 31 October 2018.**

### For further information - course specific enquiries

Please Contact: [barry.feeney@it-tallaght.ie](mailto:barry.feeney@it-tallaght.ie)

### For queries on the application process

Please contact [LLL@it-tallaght.ie](mailto:LLL@it-tallaght.ie) or phone the Lifelong Learning Team @ 01-4042101

## KEY DATES

INDUCTION	1 <sup>st</sup> /8 <sup>th</sup> September 2018
CLASSES BEGIN	Mid-September 2018
CLASSES FINISH	End April 2018
EXAMS	January and May 2019
RESULTS	June 2019

**Head Start Maths and Head Start Academic English:**

- 26<sup>th</sup> May – 30<sup>th</sup> June 2018 &
- 11<sup>th</sup> August – 8<sup>th</sup> September 2018



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