



Postgraduate Diploma in Data Analytics & Business Intelligence (1627)

Overview of the Programme

The purpose of the programme is to:

- Develop the necessary skilled human capital in the field of data analytics and business intelligence to fulfil in the talent shortage that is currently experienced in the South African market, to help ensure that the country can effectively compete
- Contribute towards a depth of data analytics expertise that will assist South African companies to create job opportunities (for especially young people) by offering South Africa as the data analytics BPO destiny of choice
- Provide students with the required theoretical knowledge and practical/career experience to be able to fulfil a data analytics and business intelligence role within an applied business context.
- Equip students to apply data analysis and business intelligence skills and know-how to identify and address business challenges to inform decision making
- Equip students to understand the potential 'wealth' of data (and data sets) and to pro-actively explore available (or new) data sets in view of uncovering trends and/or new opportunities.

NQF Level:8

Duration: 1 Year Full time or 2 Years Part-time

Study Type: Full-time/ Part-time

Admission requirements and RPL

- B-degree with an average of 55% for exit level modules in the areas of Information Systems, Business Management, Computer Science or Statistics PLUS one of:
- Information Systems or Computer Science or Statistics at the 2nd year level
- B-degree (or equivalent) with two years relevant working experience
- As only a limited number of students can be admitted to the programme, applicants will be subjected to a selection procedure

Exit level outcomes and associated assessment criteria.

- On completion of the programme the student must be able to:
- Understand, analyse and comprehend the nature and context of decision-making in service-orientated businesses by utilising management principles.
- Provide the broad understanding and master data management, i.e. the strategies, process, tools, standards, definitions, and management of data for ease of use and reference within the organisation.
- Design and develop business intelligence applications.
- Prepare, visualise, analyse and interpret data using appropriate statistical techniques.
- Use and apply business intelligence and analytics in solving identified business challenges.
- Use a data mining package to visualise and explore data patterns for basic predictive modelling.
- Apply the theoretical knowledge in terms of the structuring, managing and analytical manipulation of data acquired through modules 1-6 to address real-world projects in a public or private company.

| Module Name | Module Code | Credit value | Cost per module Local | Cost per module International |
|-------------------------------------|-------------|--------------|-----------------------|-------------------------------|
| Decision-making in Business | BIA710 | 15 | R 6 250 | R 12 500 |
| Data Management | BIA711 | 15 | R 6 250 | R 12 500 |
| Data Warehousing and Data Structure | BIA712 | 15 | R 6 250 | R 12 500 |
| Statistics and Visualisation | BIA713 | 15 | R 6 250 | R 12 500 |
| Analytics and Business Intelligence | BIA714 | 15 | R 6 250 | R 12 500 |
| Introduction to Data Mining | BIA715 | 15 | R 6 250 | R 12 500 |
| Research Project | BIA716 | 30 | R 12 500 | R 25 000 |
| Total | | 120 | R 50 000 | R 100 000 |

The closing date for application is the 30th of September 2016

Apply online <https://www.uwc.ac.za/Students/Admin/Pages/AppI>

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