PROGRAMME NAME
LEVEL 5 DIPLOMA IN DATA ANALYTICS

PROGRAMME OVERVIEW

This programme is designed to not only equip students with technical skills to analyze and translate raw data to meaningful information but also develop competency in decision-making skills by discovering intelligent insights and predicting trends that will be useful for multiple industries — such as Business, IT, Health, Engineering.

The main aim of this programme is to prepare students to embark on an exciting yet promising IT career as Data Analysts and relevant prospects in the Data Science field. Through strategic alignment of the curriculum with the Brunei ICT Industry Competency Framework (BIICF) particularly through the 'Data & AI' subsector, the right talent and workforce can be developed and groomed.

PROGRAMME STRUCTURE

The total credit value of this programme is **91** CV

Semester 1
- Pendidikan Islam
- Communication Skills for ICT
- Statistical Mathematics for Computing
- Health, Safety, Security, and Environment
- Computer System Architecture
- Information Systems Essentials

Semester 2
- Pengajian Melayu Islam Beraja
- Entrepreneurship
- Data Analytics & Society
- Data Exploration
- Data Mining
- Python Programming

Semester 3
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- Database Design and Implementation
- Applied Programming for Data Analytics
- Data Ethics
- Data Structures and Algorithms
- Data Visualization

Semester 4
- Project Management
- Big Data Solution
- Data Engineering
- Data Science

Semester 5
- IT Project: Solution
- Business Intelligence

Semester 6
- Catalyst: IT Academy
- Internship
- Enrichment

CAREER & PROGRESSION

Career opportunities:

Career opportunities include Data Associate; Data Visualization Analyst; Database Analyst; Business Intelligence; Data Infra Engineer; and Data Architect.
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Academic Progression:

Graduates choosing to pursue further studies may consider the following local universities (subject to CGPA obtained and entry requirement):

- Universiti Brunei Darussalam (UBD)
  - Bachelor of Digital Science (Major in Data Science)
  - Bachelor of Digital Science (Major in Artificial Intelligence (AI) & Robotics)
  - Bachelor of Digital Science (Major in Computer Science)

- Universiti Teknologi Brunei (UTB)
  - Bachelor of Science (Hons) in Computing (Major in Data Analytics)
  - Bachelor of Science (Hons) in Computing (Major in Software Development)

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