

## PROGRAMME NAME

### LEVEL 5 DIPLOMA IN INFORMATION SYSTEMS

## PROGRAMME OVERVIEW

The programmes offered focus on the understanding of the IT supports field and producing IT solutions.

They are aimed at preparing students with skills to integrate and manage data with information systems technologies and develop information systems solutions.

At the end of the ICT programmes, students will be able to gain a basic understanding of computer systems architecture, how to integrate and manage data and information systems to business processes, and develop applications using Java programming language with database implementation.

## PROGRAMME STRUCTURE

The total credit value of this programme is **92 CV**

### Semester 1

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

### Semester 2

- Pengajian Melayu Islam Beraja
- Entrepreneurship
- Basic Web Programming
- Introduction to Programming
- Multimedia and Creative Technology
- Network Fundamentals

### Semester 3

- User Experience Design
- Database Design and Implementation
- Object-Oriented Programming
- Systems Analysis and Design
- Emerging Technology

### Semester 4

- Advanced Programming
- Information Systems Management
- Mobile Application and Development
- Project Management
- IT Project: Ideation

### Semester 5

- System Operations
- IT Project: Solution

### Semester 6

- Catalyst: IT Academy
- Internship
- Enrichment

## CAREER & PROGRESSION

### Career opportunities:

Career opportunities will include IT Support, Programmer, System Analyst, Computer Systems Administrator, Computer and Information Systems Managers

### 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 Computer Science)
  - Bachelor Of Digital Science (Major in Data Science)
  - Bachelor Of Digital Science (Major in Artificial Intelligence (AI) & Robotics)
  
- Universiti Teknologi Brunei (UTB)
  - Bachelor of Science (Honours) in Computing (Major in Data Analytics)
  - Bachelor of Science (Honours) in Computing (Major in Software Development)
  - Bachelor of Science (Honours) in Digital Media

## TESTIMONIAL

*"I was able to learn not only programming but understand the process of designing, developing and deploying end products/services.*

*The programme has given me the opportunity to develop a sustainable system for one of the government departments in Brunei. I was very pleased that I have a hand at doing something that is useful for our community.*

*Apart from computing, I also learned other knowledge and skills such as health, safety and security management that is important in the working environment safe.*

*Through the Entrepreneurship module, I learnt to develop a business plan on an IT system and turned and into a business venture. This module has brought me to an entrepreneurship village at UBD to experience and expose myself as a developer, as well as an entrepreneur. I learned how to market my products/services, talk to the audience and share my ideas."*

*Dk Nur Hidayah Pg Ya'akub  
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