BACHELOR OF
INFORMATION TECHNOLOGY (HONS)

JPT/BPP (N/482/6/0169) 06/23

MAHSA UNIVERSITY

FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

"Progress is possible only if we train ourselves to think about programs without thinking of them as pieces of executable code."
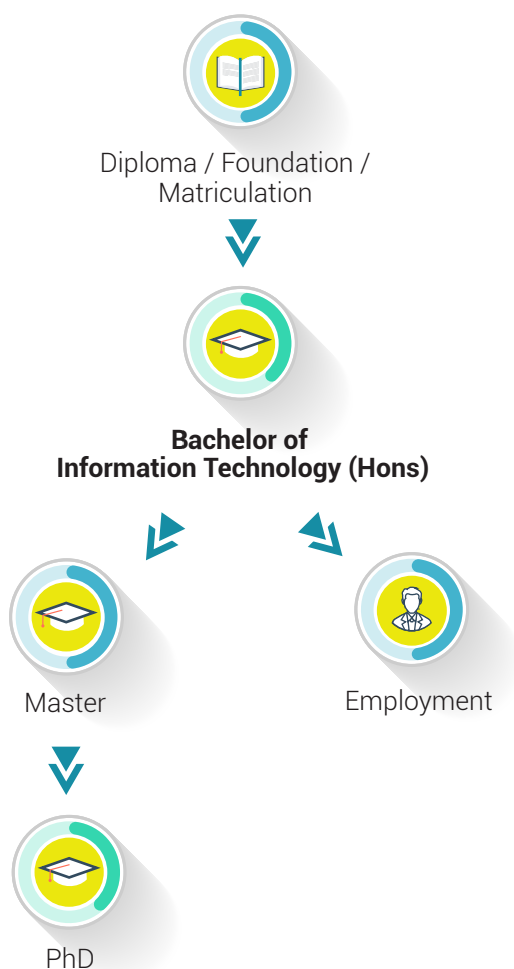
\- Edsger W. Dijkstra

The Bachelor of Information Technology (Hons) is a three-year programme designed in consultation with a panel of experts and has been approved by the Malaysian Qualifications Agency (MQA). The programme is designed uniquely with four different areas of specialisation: i.e. Data Management, Game Computing, Mobile Computing and Network Computing. Students can choose their preferred specialisation to develop the necessary knowledge and industry-specific technological skills.

Upon completion of six semesters, students will proceed to industrial training at the end of Year 3. At the end of the training, the students are required to submit a report while the industries are required to evaluate and report on the students' job performance. This industrial training is necessary to meet the requirements of the accreditation by MQA. Students gain real work experience in writing reports on technical works/projects. This programme not only prepares students with advanced theoretical and practical skills but also exposes them to the strategical planning and management of projects.

In the final year, the research project in this programme will enable students to take on R&D with commercialization, develop the academic and practical aspects of the chosen area of study and reinforce independent learning skills. This is where students will demonstrate higher level; critical thinking analysis and solutions development skills which will enhance their employability.

PROGRESSION PATHWAY

Diploma / Foundation / Matriculation

Bachelor of Information Technology (Hons)

Master

Employment

PhD

MAHSA 360

During their time at MAHSA University, we want to provide all of our students with the opportunity to develop qualities, skills and understanding that go beyond the disciplinary expertise and prepare them for the next steps in their chosen careers.

MAHSA360 is the ecosystem that works to ensure every single student is nurtured and supported throughout the student journey.

PROGRAMME STRUCTURE

Specialisation (Choose one)

Database Management	Games Computing
Mobile Computing	Network Computing

YEAR 01

- Business Statistics
- Computer Architecture & Organization
- Computer Networks
- Database Management
- Data Structures & Algorithms
- Discrete Mathematics
- English
- Environmental Management & Technology
- Information Technology Fundamentals
- Information Management
- Introduction to Programming
- Operating Systems
- Mathematics for Computations

YEAR 03

- Industrial Training
- Research Project

Database Management
- Database Technologies
- SQL Programming

Mobile Computing
- Mobile Game Development
- XML and WEB services

Games Computing
- Multimedia and Animation
- Prototyping and Iterating Game Designs

Network Computing
- Adhoc & Sensor Network
- High Speed Network

YEAR 02

- Computer Ethics and Cyber Law
- Fundamentals of Computer Graphics
- Fundamentals of Mobile Computing
- Human Computer Interaction
- Information Security
- Integrative Programming
- Research Methodology
- Web Technologies

Database Management
- Big Data Analysis
- Business Processes with SAP ERP Systems
- Database Architecture & Administration
- Data Warehousing and Mining

Games Computing
- Artificial Intelligence for Game Developers
- Game Technology
- Virtual Reality
- 3D Imaging and Film Effects

Mobile Computing
- Distributed Computing System
- Mobile Applications Development
- Mobile Technology
- Wireless Communication

Network Computing
- Ethical Hacking
- Network Protocols
- Routing and Switching
- TCP/IP Programming

GENERAL MODULES

- Community Service
- Entrepreneurship
- Youth Development

Local Students
- Hubungan Etnik
- Tamadun Islam dan Tamadun Asia

International Students
- Bahasa Melayu Komunikasi II
- Malaysian Studies

ENTRY REQUIREMENTS

Academic Qualification

Requirements

Diploma
- Science & Technology
- Business Administration

Pass in any related field with min. CGPA 2.5 and pass SPM with credit in Mathematics.

Matriculation / Foundation

Pass in any related field with min. CGPA 2.0 and pass SPM with credit in Mathematics.

STPM

Pass with min. CGPA 2.0 in any two (2) subjects and pass SPM with credit in Mathematics.

Other

Recognised Malaysian qualifications or their equivalent.

English Proficiency

MUET	IELTS	TOEFL
Band 4	6.0	550

CAREER OPPORTUNITIES

- Chief Technology Officer (CTO)
- Computer Network Architect
- Computer Support Specialist
- Database Administrators
- Information Systems Analyst
- IT Application Developer
- IT Auditor
- IT Helpdesk Manager
- IT Project Manager
- IT Sales Manager
- Network Administrator
- Network Engineer
- Programme Analysts
- Technical Support Manager
- Telecommunication Specialist
- Systems Analyst
- System Administrator
- Systems Consultant
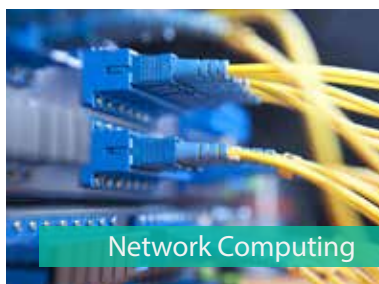- Web Developers

Library

The Habitat

Student Success Centre

Network Computing

Software Programming

Computer Lab

Football Field

Mobile Development

Residences

Contact us
1800 88 0300

marketing@mahsa.edu.my

www.mahsa.edu.my

MAHSA University

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BANDAR SAUJANA PUTRA CAMPUS

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Hotline : +603-5102 2200

MAHSA UNIVERSITY RECRUITMENT CENTRE (MURC):

MURC Penang
441-1-19, Plaza Pulau Tikus, Jalan Burma,
10350 Georgetown, Pulau Pinang

MURC Klang
Tingkat 4 Plaza Blossom, No.56 & 57, Jalan Tengku Kelana,
41000 Klang, Selangor

MURC Melaka
No 3-1, Jalan Komersial Takh 3, Taman Takh
Ayer Keroh, 75450 Melaka

MURC Kuching
No.191, Lot 1508, Ground & 1st Floor, Wisma Tek
93350 Kuching, Sarawak

MURC Kota Bharu
259 Tingkat 2 Jalan Kebun Sultan, Seksyen 8
15300 Kota Bahru, Kelantan