



**MAHSA**  
UNIVERSITY



*DIPLOMA IN*  
**INFORMATION  
TECHNOLOGY**

KPT/JPS(N/482/4/0179)(MQA/PA9409)09/23

**FACULTY OF  
BUSINESS,  
FINANCE &  
INFORMATION  
TECHNOLOGY**

The real power of interactive technologies is that they let us learn in ways that aren't otherwise possible or practical.

**- David Lassner**

President of the University of Hawaii



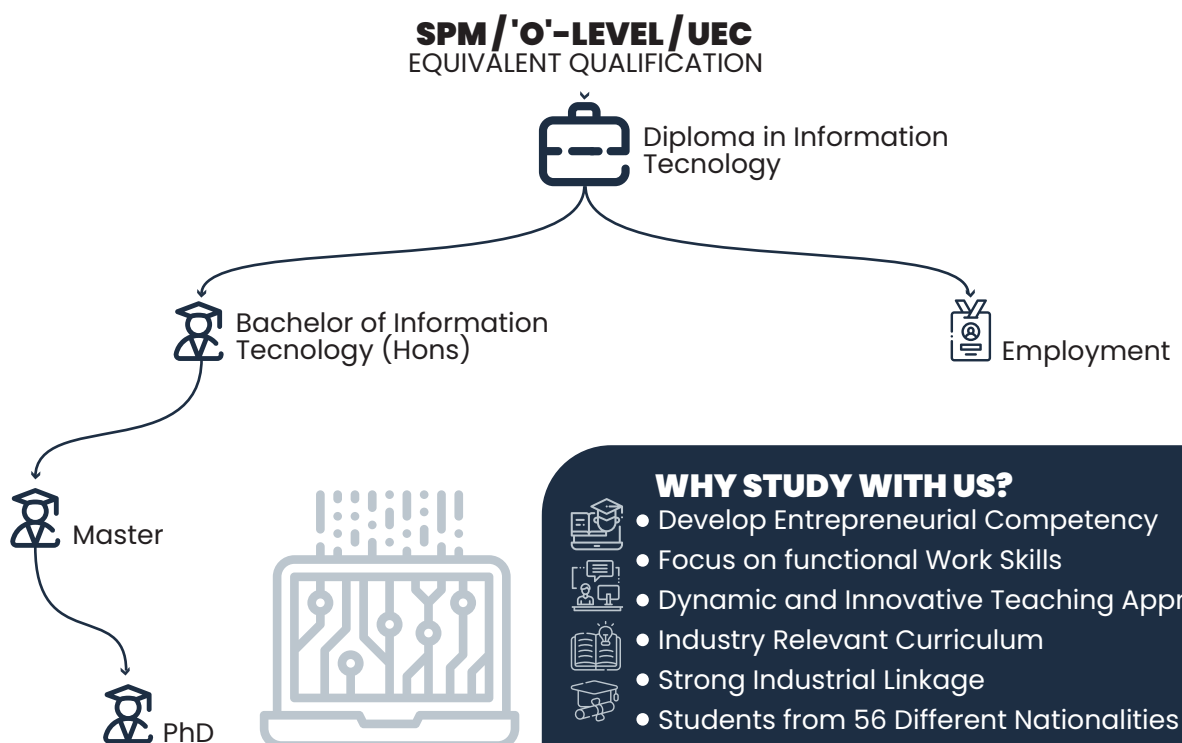
## OVERVIEW

The Diploma in Information Technology gives students the essential entry-level computing skills. With an industry-based curriculum grounded in theories, principles and up-to-date practices in the Information Technology field. Graduates of this diploma will be highly sought after by employers. Our modern facilities and vibrant campus introduce students to the latest software and equipment. The final year includes industrial training at IT specialists companies to further hone their skills.

Students can choose their preferred specialisation to develop the necessary in-depth knowledge and expertise in some very interesting areas in Web Programming, Mobile Computing or even Artificial Intelligence.

Students also get to experience holistic learning and personal development alongside an international faculty with diverse cultural backgrounds. Indeed, graduates from this programme will be equipped with leading-edge knowledge and experience to become Information Technology professionals.

## PROGRESSION PATHWAY



# PROGRAMME STRUCTURE

## YEAR 1

- Fundamentals of Computer
- Computer Architecture & Organisation
- Fundamentals of Algorithm Development
- Discrete Mathematics
- Database Management Systems
- Data Structures & Algorithms
- Human Computer Interaction
- Mathematics for Computations
- Programming Language
- Data Communication & Networks



### ELECTIVE [FOR YEAR 2]

- Information Systems
- Operating Systems
- Introduction to Computer Security
- Web Programming
- Mobile Computing
- Fundamentals of Artificial Intelligence

## YEAR 2

- Java Programming
- Introduction to Web Development
- Multimedia Technology 1 and 2
- Software Project Management
- Fundamentals of Computer Graphics
- Electives (Select 4 Subjects)



### General Courses

- Co-curricular project
- Creative and Critical Thinking
- Time Management

### International Students

Bahasa Melayu Komunikasi 1

### Local Students

Pengajian Malaysia 2

## YEAR 3

- Industrial Training (6 Months)

## ENTRY REQUIREMENTS

### Academic Qualification Requirements

SPM	Pass with minimum three credits, including a credit in Mathematics
UEC	Minimum Grade B in three subjects including Mathematics
SKM	Pass with level three (3) subjects in related field and pass SPM with min. one (1) credit in any subjects
O-Level	Minimum Grade C in three subjects including Mathematics
CERTIFICATE	Pass Sijil Kemahiran Malaysia (SKM) at Level 3 a related field; and a credit in Mathematics at SPM or its equivalents
STPM	1 Grade C or CGPA 2.0 and one credit in Mathematics at SPM
Others	Recognised Malaysian qualifications or their equivalent as approved by Senate



## CAREER OPPORTUNITIES

- Software Analysts
- Computer Network Executive
- Computer Support Executive
- Database Administrator
- IT Helpdesk Executive
- IT Executive
- Java Developer
- Web Developer
- Software Developer



# MAHSA'S PASSPORT

TO SUCCESS



Professional Industry-Driven Education (P.R.I.D.E) is MAHSA University's specially designed education pathway that give students the best of both academic and professional certifications. Students have the opportunity to gain professional skills through various programmes from MAHSA's collaborations with internationally recognised professional bodies. P.R.I.D.E increases the employability rate of our fresh graduates and puts them on par with the rest of the professional world.

## MASTERCLASS

Students of this programme are eligible to gain add-on certification in Master Classes. There are more than fifty Master Classes to choose from, and all are designed to further enhance the student's employability, in line with the Industrial Revolution 4.0.

## MOBILITY PROGRAMME

This is a unique opportunity for students to study abroad for up to one year in a foreign country. This study abroad programme lets students experience different cultures and

## PROFESSIONAL COURSES

Through MAHSA's collaboration with internationally recognised professional bodies, students will be earn certifications that will enhance their professional skills and increases their employability rate.

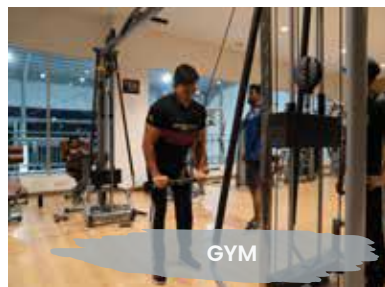


practices from around the world. Ask us about our university partners in over fifty different countries.

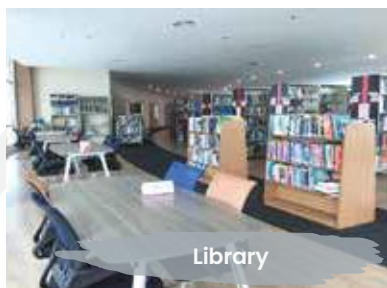
# MAHSA BE MORE



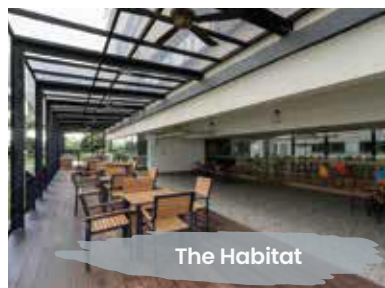
Sports Complex



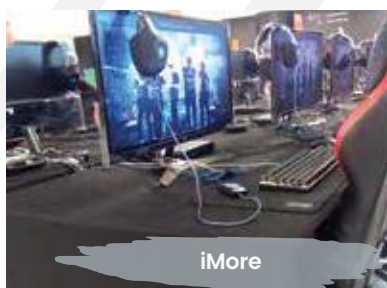
GYM



Library



The Habitat



iMore



Residences



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