

DIGITAL HEALTH

KPT/JPT(N/482/6/0209)03/2028 | MQA/PSA14380

Future-proof your medical dreams through the magic of technology

Artificial Intelligence. Wearable tech. Digital transformation. Technology is redefining the way we live. And the revolution has been a driving force in healthcare in recent years. At IMU, we are actively equipping students to remain relevant in the digital age. With a robust, cutting-edge curriculum, complemented by well-equipped facilities, hands-on training and industry collaborations, we will equip you with the knowledge and skill to thrive through Digital Health. You will also be embarking on a journey in shaping the future of healthcare delivery and contributing to the evolution of healthcare technology in Malaysia and beyond. Come open the doors of opportunity.

Degree / Duration

Bachelor in Digital Health (Hons)
(IMU)
3 years

Commencement

Jul / Sep

Partner University

RUTGERS
School of Health Professions

Assessment

Student qualities and competencies will be assessed via:

- Practical
- Assignments
- Presentations
- Case studies
- Projects
- Online quizzes
- Dissertation
- End-of-semester exams

20 weeks of industrial training will also be held in related sectors in the final semester.

After-Degree Pathway

Digital Health graduates may opt to enrol in postgraduate programmes such as Masters in Health Informatics and Analytics, Master in Health Informatics in Rutgers University, MBA and more, either full-time or part-time.

Career Pathways

As a Digital Health graduate, you will enjoy a wide choice of career pathways, from general Information Technology or Data Science to Digital Health data-focused healthcare organisations. These employment opportunities are readily available in both private and public sectors.

Other employment opportunities also await you beyond Malaysia, from Singapore and Australasia to Europe and the USA. Graduates can also pursue a Masters or PhD related to informatics & analytics and data science locally or abroad.

◆ Opportunities for Digital Health Specialists

Bachelor in Digital Health (Hons) (IMU)	
Postgraduate Degree	Industry
<ul style="list-style-type: none">• MSc / PhD• Health Informatics and Analytics• Data Science• Information Technology• MBA	<ul style="list-style-type: none">• General software provider companies• R&D department in medical devices / healthcare provider companies• Data Science and Analytics• Entrepreneurship

◆ A Digital Health Specialist's Scope of Work

Key Area	Occupation	Work Scope
Healthcare	<ul style="list-style-type: none">• Health Systems and Service Designers• Health System Developer• Clinical Information Governance Manager• Clinical Information Manager• Clinical Analyst Support Officer• Digital Health Transformation Manager• Data Analytics and Forensics	<ul style="list-style-type: none">• Implement processes and systems to support medical record documentation• Drug tracking and tracing• Insurance fraud detection
Information and Communication Technologies	<ul style="list-style-type: none">• Business Intelligence Analyst• Data Model Engineer• Junior Data Engineer• Systems Engineer• IT Programmer	<ul style="list-style-type: none">• Translate business rules into usable conceptual, logical, and physical models and database designs• Gather business data through many different ways via data mining then transform the data into insights that drive business value• Fraud detection
Data Science	<ul style="list-style-type: none">• Health Data Analyst• Health Business Analyst• Healthcare Data Scientist• Data Scientist Executive• Data Analytics• R&D Data Engineer	<ul style="list-style-type: none">• Responsible for finding trends in datasets and developing algorithms to translate the raw data to useful information• Front lines, quantify the statistical reports, fix problems and reconciling data across healthcare systems, making them highly valuable to the healthcare sector
Healthcare Research	<ul style="list-style-type: none">• Researcher	<ul style="list-style-type: none">• Scientist who drives new discoveries in digital health• Software innovator of medical devices
Entrepreneurship	<ul style="list-style-type: none">• Entrepreneurs	<ul style="list-style-type: none">• Entrepreneurs

Programme Structure

Semester

1

Discrete Mathematics
IT Fundamentals
Fundamentals of Programming
System Analysis & Design
Introduction to Healthcare Organisations & Systems
U2 (English for Health Sciences)

Semester

2

Database Systems
Computer Communication & Networks
Data Structures & Algorithms
Human Computer Interaction
Digital Health Applications

Semester

3

Statistics for Digital Health
Object-Oriented Programming
Social Responsibility (Part 1)

*Choose any 2 elective modules

Science

- Biological Science & Genetics
- Human Biology

Non- Science

- Introduction to Business Administration
- Strategic Management

Semester

4

Web Systems & Technologies
Operating Systems & Platform Technologies
Introduction to Data Mining, Big Data & Data Science
Human Behavior in Digital Health
Social Responsibility (Part 2)

*Choose 1 elective module

Science

- Omics Applications in Medical Sciences & Healthcare

Non-Science

- Digital Leadership

Semester

5

Research Methodology
Entrepreneurship
Health Data Engineering

Semester

6

Information Security
Health Data Analytics & Data Visualisation
Advanced Computing Topics Applied to Healthcare
Healthcare Ethics & Professionalism
Research Project I

Semester

7

Industrial Training
Research Project II

The curriculum is reviewed periodically and is subject to change. The MPU modules are compulsory modules imposed by Ministry of Higher Education under the Private Higher Educational Institutions Act 1996 (Act 555). All students must take these modules and pass as a prerequisite for the award of the degree.

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- Every student must pass all modules as a prerequisite for the awarding of the degree.

Component	Semester						
	1	2	3	4	5	6	7
Information & Communication Technologies (ICT)	✓	✓	✓	✓		✓	✓
Digital Health (DH)	✓	✓		✓	✓	✓	✓
Data Analytics (DA)			✓	✓	✓	✓	✓

The table above shows the sharing of Information & Communication Technologies, Digital Health and Data Analytics components.

Programme Fees

Fees Overview

Fee	Amount (RM)	
	Malaysian Student	International Student
Application Fee	150	500
Registration Fee	850	2,000
Refundable Caution Deposit	1,000	1,000

Application fee is payable upon submission of application • Registration fee and refundable caution deposit are payable upon acceptance of the offer letter issued by the IMU Admissions Office • As stipulated by the Malaysian Ministry of Education, international students are required to pay Student Visa Application fee of RM2,500 AND personal bond (depending on nationality) upon registration • International students will also be required to pay Student Visa Renewal fee every year • Students must adhere to the "Policy on Payment of Fees" • All students are required to pay Student Association Fees of RM40 per semester • All tuition and ancillary fees are subject to annual increases, currency exchange rates, and exclusive of levy and bridging fees (if any) • Application fee and Registration fee is non refundable • All students who are applying for the National Higher Education Fund (NHEF) loans are required to pay their semester fees in FULL by the due date stated in the invoice.

Tuition Fees

	Total Duration (years)	At International Medical University (IMU)					
		Years	Total Semesters	Tuition Fee			
				Malaysian Student		International Student	
				Per Semester	Per Year	Per Semester	Per Year
Bachelor in Digital Health (Hons) (IMU)*	3	3	6 long semesters	16,500	33,000	17,500	35,000
			1 short semester**	6,300	6,300	8,400	8,400

* Fee after bursary

** Applicable in Semester 5

International Medical University

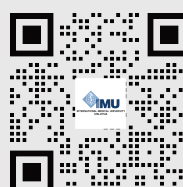
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KP/JPS/5195/US/2, KP(JPS)/DFT/US/W03



The IMU has been certified with ISO21001:2018 and ISO 45001:2018 for the provision of Pre-University, Undergraduate and Postgraduate Programmes for the Medical and Healthcare Professions.



Want to learn more?
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