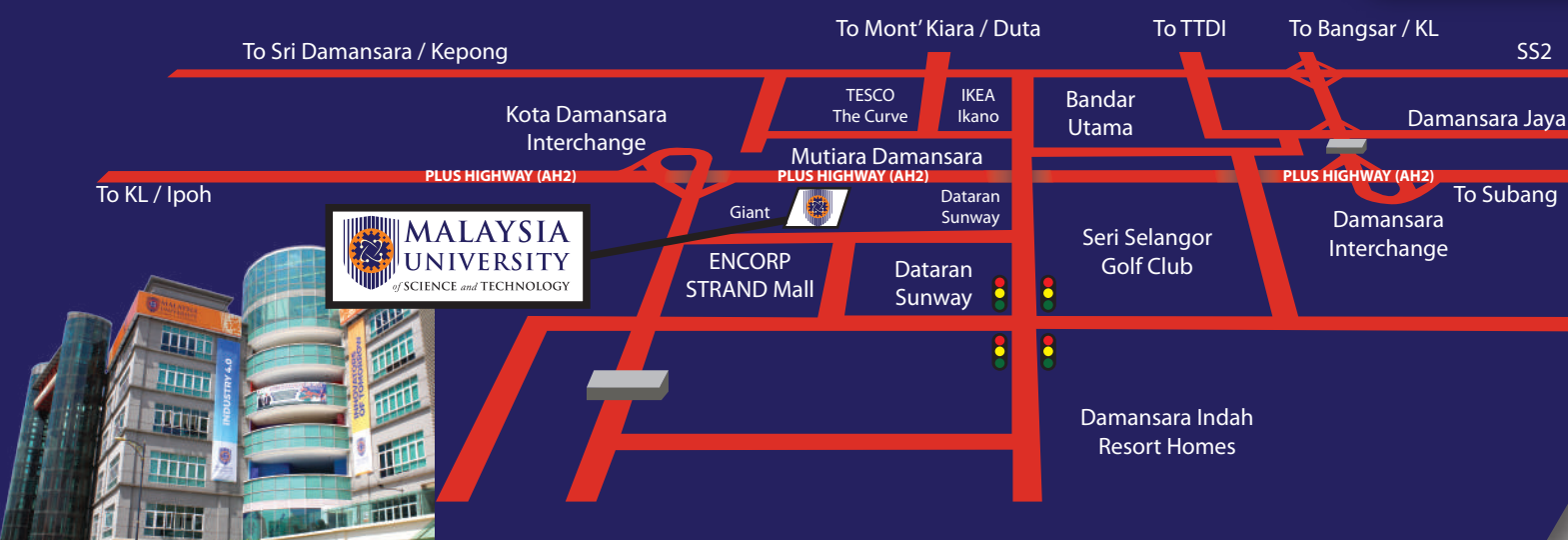




GPS: 3.154176, 101.596092
Search Maps : Malaysia University of Science and Technology (MUST)

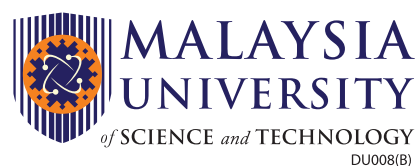


In 1995, the then Prime Minister, Tun Dr. Mahathir Mohamad and a delegation from Malaysia made a working visit to Massachusetts Institute of Technology (MIT) and endorsed the establishment of university modelled after MIT. An agreement was signed in January 1997 to establish the Malaysia University of Science and Technology (MUST).

In its formative years, MUST was fully assisted and supported by MIT, a world-renowned university noted for its education and research in advanced science and technology.

MUST emulated MIT's method of teaching and learning which encourages creativity, analytical thinking, problem-solving, innovation and team-building. These are qualities that have been proven to be successful in producing entrepreneurial leadership in science, technology, business and management.

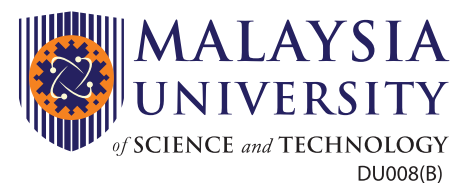
MUST also nurtures a research-driven culture in all fields of expertise to ensure depth of understanding and confidence in facing practical problem. The MIT model has been the impetus of the MUST culture that is vibrant, innovative and purposive to our local environment.



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DATA



BACHELOR OF SCIENCE (HONS) INFORMATION TECHNOLOGY

(R3/0688/6/0084)(09/28)(A9019)
School of Information Technology

UNIVERSITY OF THE FUTURE

BACHELOR OF SCIENCE (HONS) INFORMATION TECHNOLOGY

The Bachelor of Science (Hons.) in Information Technology (BIT) programme is designed to equip students with the state-of-art technology and skillset relevant for competitive jobs in the Digital Economy. The program will expose students to computer programming, database, web programming, mobile computing, cloud computing, software development, data science, cybersecurity, information systems, IoT, computer network and communication technologies.

Programme Duration

3 Years

Study Mode

Full Time

Module Outline

YEAR 1

Information System
Principles of Programming
Database Systems
Computer Networking
Computer Architecture and Organization
Computer Networking
Cybersecurity
Calculus and Algebra
Data Structure and Algorithm
Artificial Intelligence and Business Analytics

YEAR 3

Data Science
IoT Concepts & Applications
Project Management
Undergraduate Project
Placement Training

YEAR 2

Object Oriented Analysis & Design
Advanced Programming
Applied Statistics
Web Technologies
Software Engineering
Operating Systems
Human Computer Interaction
System Analysis and Design

Financial Aids

- PTPTN loan
- EPF Withdrawal

Program Outcome

- Understand and apply IT concepts to solve field-related problems.
- Use critical thinking to tackle complex IT challenges creatively.
- Collaborate with diverse professionals across IT and non-IT fields, locally and globally.
- Solve a variety of complex IT issues effectively.
- Present ideas clearly and confidently in different formats and contexts.
- Utilize media, technology, and information tools for study or work.
- Apply numerical and visual data to support tasks and decisions.
- Show leadership, professionalism, and independence in IT roles.
- Engage in lifelong learning and career growth in IT.
- Explore entrepreneurship and business opportunities in IT.
- Uphold ethical and professional responsibilities to individuals, communities, and the environment.

Careers Pathway

- Information System Manager
- Cybersecurity Analyst
- Software Engineer/Development
- Network Systems Administrator
- Cybersecurity Analyst
- Database Developer/Designer
- Business Analyst
- Data science (Research & Development Role)
- Information Technology Manager
- Cloud Computing Executive
- Systems Engineer
- Data Communications Executive
- IT Project Manager

Entry Requirements

- Candidates with at least one of the following academic criteria are qualified for admission**:
- STPM – Minimum Grade C (GP 2.00) in two subjects.
- STAM – Minimum Jayyid grade in two subjects.
- Matriculation/Foundation – Minimum CGPA 2.00.
- Diploma (Non-Computing) – Minimum CGPA 2.75 (CGPA 2.50-2.75 may require further assessment).
- Diploma in Computing Fields – Minimum CGPA 2.50 (CGPA 2.00-2.50 may require further assessment).
- Diploma from DKM / DVM / DLKM –Minimum CGPA 2.50 (subject to approval).
- Other equivalent qualifications recognized by the Malaysian Government.

** For more detailed information on entry requirement, visit www.must.edu.my

