



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.



DIPLOMA IN INFORMATION TECHNOLOGY

The Diploma in Information Technology (DIT) programme is designed as a bridging programme for students to take up a degree in Information Technology, while at the same time preparing them for competitive jobs in the Digital Economy. The program will expose students to fundamentals of programming, database, web applications, mobile applications, software development, data science, cybersecurity, information systems, IoT, AI and computer network and communication technologies.

Programme Duration

2.5 years

Mode of Study

Full Time

Module Outline

YEAR 1

Principles of Programming
Information System
Introduction to Database Systems
Calculus and Algebra
Computer Applications
Discrete Mathematics
Data Structures & Algorithms
Data Communication & Networking
Computer Architecture

FINAL YEAR

Internship

YEAR 2

System Analysis & Design
Intermediate Programming
Operating Systems
Probabilities & Statistics
Ethics in Information Technology
Web Technologies
Cybersecurity
Final Project
IT Project Management

Careers, Industry & Pathways

- Programmer
- System Analyst
- Web Developer
- IT Officer
- IT Technician
- Network Administrator

Financial Aids

- PTPTN loan
- EPF Withdrawal

Program Learning Outcome

- Understand core IT theories and operational skills.
- Apply critical thinking in IT-related fields.
- Develop practical IT skills for applications and programs.
- Work collaboratively in computing and technology services.
- Communicate effectively with IT professionals locally and globally.
- Utilize digital platforms for efficient service delivery.
- Solve problems analytically using numeracy skills to enhance IT performance.
- Exhibit leadership in team environments.
- Commit to lifelong learning for continuous personal growth.
- Practice managerial and entrepreneurial skills in tech services.
- Uphold ethical standards and professional responsibility in all areas.

Entry Requirements

Malaysian Citizens

- Pass SPM with at least a credit in any three (3) subjects or an equivalent qualification; OR
- Pass STPM with at least a Grade C (CGPA 2.0) in any subject or an equivalent qualification; OR
- Pass STAM with a minimum grade of Maqbul (Pass); OR
- Pass SKM Level 3 in a related field and SPM with at least one (1) credit in any subject; OR
- Any qualification equivalent to a Certificate (Level 3, MQF).

Other relevant & equivalent qualifications recognised by the Malaysian Government.

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

