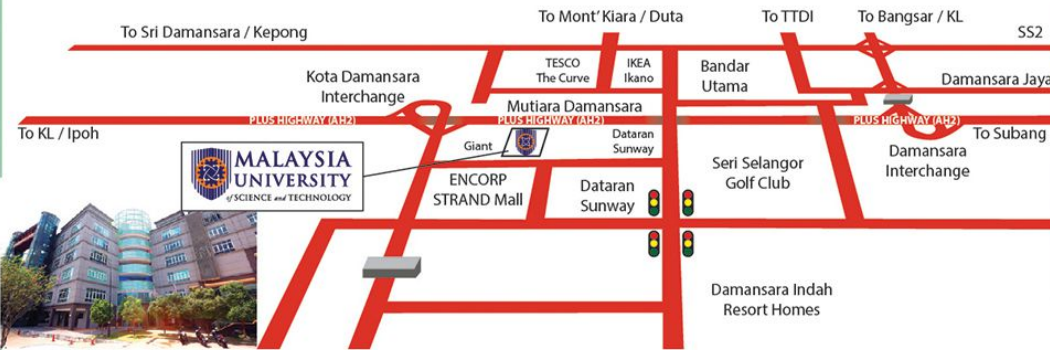




GPS: 3.154176, 101.596092  
 Search Maps : Malaysia University of Science and Technology (MUST)



In 1995, the then Prime Minister, Tun Dr. Mahathir Mohammad 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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 FACEBOOK ALUMNI : [facebook/mustalumni](https://www.facebook.com/mustalumni)



DATABASE  
 FUNDAMENTALS  
 LOGIC DESIGN  
 NETWORKING  
 PROGRAMMING  
 EXPOSITORY WRITING  
 TELECOMMUNICATION

WIRELESS COMMUNICATION  
 SPACE DATE  
 SATELLITE  
 PHOTONICS  
 OPTOELECTRONICS  
 EMBEDDED PROGRAMMING

## MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

KPT REF. NUMBER: MODE A (R/481/7/0724) (02/21)  
 MODE B & C (R/481/7/0294) (03/23)  
 MQA REF. NUMBER: MODE A (MQA/FA0212)  
 MODE B & C (MQA/A1022 & A8622)  
 School of Science & Engineering



# UNIVERSITY OF THE FUTURE

# MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

The Master of Science in Information Technology programme is by research mode. Students under the supervision of senior faculty will undertake independent research contributing to any area of Information Technology, Information Systems, Computer Science or Telecommunication. Research of inter-disciplinary nature is especially encouraged. The student is required to complete a thesis which must contribute to the advancement of knowledge.

Upon successful completion, the Master holders take pride in being able to:

- Demonstrate an in-depth understanding of the chosen discipline and mastery of skills and research methods related to the field of information technology.
- Contribute to original research that broadens the boundary of knowledge through an in-depth thesis, which has been presented and defended according to international standards, including writing in international and local publications.

## Programme Structure

- Research Methods
- Thesis Research

## Main Requirements

- Thesis Proposal Submission
- Thesis Proposal Defense
- Seminar Presentation
- Conference / Journal Publication(s)
- Final Thesis Submission
- Final Thesis Defense

## Programme Duration

1.5 – 3 years (3 to 6 semesters)

## Semester 3

- Satellite & Space Communication
- Information Security
- Program Electives
- Digital Signal Processing
- Undergraduate Project
- Placement Training

## Program Electives

- Antenna & Propagation
- Data Communications
- Modern Digital & Analog Communication Systems
- Operating Systems
- Software Engineering
- Photonics and Optoelectronics Systems
- Mobile Applications
- Embedded Programming

## Careers, Industry & Pathways

### Career Opportunities

Software Architect, Software Engineer, Researcher, IT Consultant, Trainer, Technopreneur and others.

### Academic Pathways

Graduates have the opportunity to pursue a PhD in Informatics at MUST or a similar program in a local or foreign university.

### Affiliated Professional Training Programmes

Students can pursue Microsoft, IBM, Huawei or Cisco Certification.

## Entry Requirement

Bachelor degree with a minimum CGPA of 2.75 (on a 4 point scale) or an equivalent qualification in a related field from a recognized university. In special circumstances applicants with a lower CGPA may be considered for admission if they have relevant work experience.

## Language Proficiency

Applicants are required to provide documentary evidence of proficiency in English in one of the following examinations:

- Test of English as a Foreign Language (TOEFL) at with minimum score of 550, or
- International English Language Testing Services (IELTS) with minimum overall band of 6.0, or
- MUST English Placement Test with satisfactory score.

## Financial Aids (Subject to availability)

- MyBrain15
- FRGS

