COMMUNICATION
INFORMATION
SYSTEM
PROGRAMMING
EXPOSITORY WRITINNG
DIGITAL FUNDAMENTALS
LOGIC DESIGN
ELECTROMAGNETICS
THEORY
DIGITAL SIGNAL
ANTENNA
PROPAGATION
PROCESSING
SPACE
SATELLITE
UNDERGRADUATE PROJECT
DATA
INTERNSHIP
SOFTWARE ENGINEERING
PHOTONICS
OPTOELETRONICS
MOBILE
EMBEDDED
ANALOG
SECURITY
MODERN

BACHELOR OF SCIENCE (HONS.) IN TELECOMMUNICATION

KPT REF. NUMBER: (R/523/6/0259) (09/18)
MQA REF. NUMBER: MQA/A9020
School of Science & Engineering

MALAYSIA UNIVERSITY of SCIENCE and TECHNOLOGY
DU008(B)

Asia Logistics and Supply Chain Council
PPM-009-10-04102016

UNIVERSITY OF THE FUTURE

BACHELOR OF SCIENCE (HONS.) IN TELECOMMUNICATION

Bachelor of Science in Telecommunication programme prepares students to venture into the dynamically changing fields of ICT and telecommunication. It provides students with basic knowledge in these areas.

Programme Structure

Year 1

- Communication Skills
- Principle of Programming
- Information System
- Introduction to Database System
- Discrete Mathematics
- Introduction to Computer Networking
- Expository Writing
- Computer Architecture and Organization
- University Mathematics
- Digital Fundamentals and Logic Design
- Data Communication

Year 2

- Electromagnetics
- Communication and Information Theory
- Information Security
- Intermediate Programming
- Photonics and Optoelectronics Systems
- Antenna &Propagation
- Project Management
- Telecommunications and Wireless Communications
- Digital Signal Processing
- Internet Protocols

Year 3

- Satellite & Space Communications
- Cryptography
- Undergraduate Project
- Modern Digital &Analog Communications
- Placement Training

Elective

- Operating Systems
- Research Methodology
- Introduction to VLSI
- Fundamentals of Entrepreneurship
- Principles of Management
- Management of Technology
- Fundamentals of Public Policy
- Managerial Economic
- Human Resource Management
- Financial Management
- Entrepreneurial Marketing
- Marketing Management

Careers, Industry & Pathways

Career Opportunities

Network engineers, product development engineers, transmission engineers, testing engineers, programmer and technical support engineers.

Internship

Students are exposed to real-life working environment through a 3 – 6 months internship with a private sector firm in the final semester.

Academic pathways

Graduates have the opportunity to pursue a Masters in Information Technology at Malaysia University of Science and Technology or similar program at another local or foreign university.

Entry Requirements

A. Malaysian Citizens

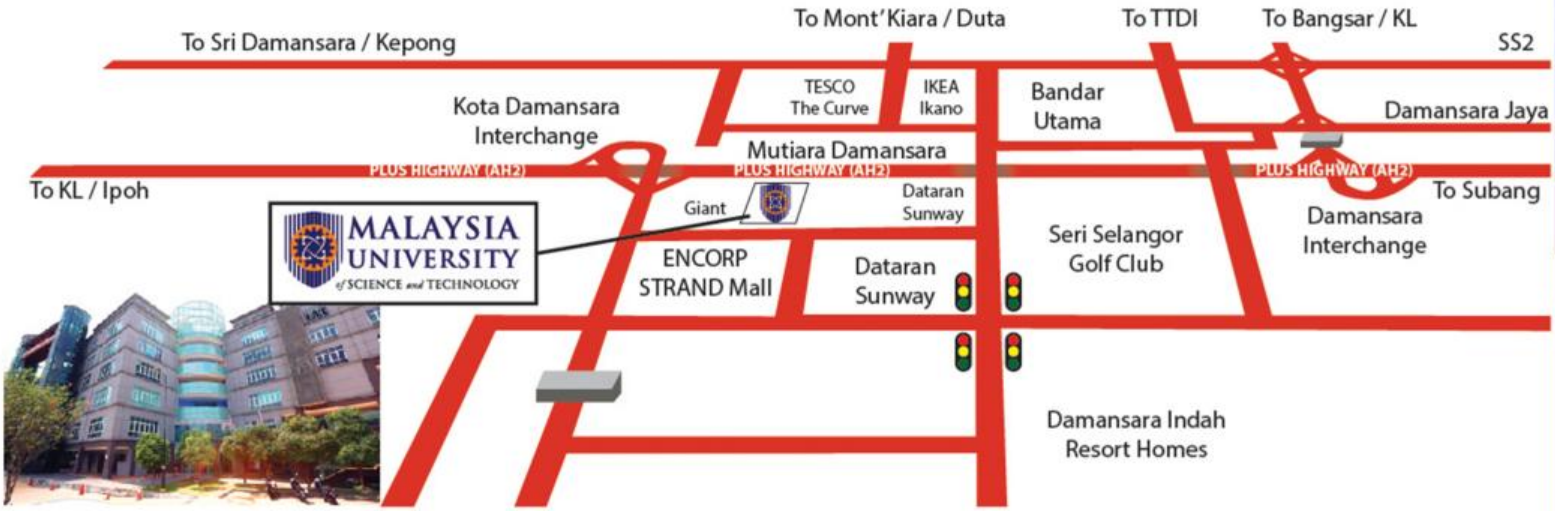
- Passed Sijil Tinggi Pelajaran Malaysia (STPM) or A-Level with full credits in two subjects including Mathematics or Science with minimum CGPA 2.0 or
- Passed Diploma programme in related field from a public or private universities, polytechnics or other recognised institutions by the Malaysian Government with a minimum CGPA of 2.0; or
- Passed MUST Foundation Programme or Foundation programmes in related field from a public or private universities, polytechnics or other recognised institutions by the Malaysian Government with minimum CGPA 2.0; or
- Passed Matriculation programme in related field from a public or private universities, polytechnics or other recognised institutions by the Malaysian Government with minimum CGPA 2.0 ; or
- Any other equivalent qualifications recognised by the Malaysian Government; and
- Have taken Malaysian University of English Test (MUET) with a band score of 4

B. International Students

- Passed Diploma programme in related field from a universities or higher learning institutions recognised by the Malaysian Government with a minimum CGPA of 2.0; or
- Passed MUST Foundation Programme with minimum CGPA 2.0; or
- Any other equivalent qualifications recognised by the Malaysian Government.
- Have taken Malaysian University of English Test (MUET) with a band score of 4
- Language Proficiency – Applicants will be required to provide documentary evidence of proficiency in English in one of the following examination:
  - Test of English as a Foreign Language (TOEFL) at a score of 600 or higher is required
  - International English Language Testing Services (IELTS), a minimum overall score of 6.5 and at least 6.0 on each individual component of the test.
  - Provide proof of English proficiency as evaluated through personal interviews with MUST.

(Note: IELTS and TOEFL test results must be less than two years old and all IELTS must be the academic version of the test)

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-friven 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 enviroment.

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ALSC COUNCIL
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