In 1995, the then Prime Minister, Tun Dato’ Sri 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 problems. The MIT model has been the impetus of the MUST culture that is vibrant, innovative and purposeful to our local environment.
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

Semester 1
- Principles of Programming
- Information Systems
- Introduction to Computer Networking
- Discrete Mathematics
- Computer Architecture and Organization
- Introduction to Database System
- Digital Fundamentals and Logic Design
- Data Communications

Semester 2
- Electromagnetics
- Communication and Information Theory
- Cyber Security
- Intermediate Programming
- Photonics and Optoelectronics Systems
- Antenna & Propagation
- Telecommunications and Wireless Communications
- Digital Signal Processing
- Internet Protocols

Semester 3
- Satellite & Space Communications
- Cryptography
- Undergraduate Project
- Modern Digital & Analog Communications
- Placement Training

Program Electives
- Operating Systems
- Research Methodology
- Introduction to VLSI
- Introduction to Multimedia
- Principles of Management
- E-Commerce

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)