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 a 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 inspiration of the MUST culture that is vibrant, innovative and purposeful to our local environment.

MASTER OF SCIENCE ENERGY AND ENVIRONMENT

KPT REF. NUMBER: (R/422/7/0011) (10/20)
MOA REF. NUMBER: MOA/A1452
School of Science & Technology
The programme provides the fundamentals of environmental science and engineering. This curriculum emphasises on the fate and transport of pollutants, energy conversion and sustainable energy in the environment.

WHAT IS IT ALL ABOUT?
The MSc in Energy and Environment aspires to produce graduates with research and analytical skills, and who can think outside of disciplinary specialisations, drawing connections among technology, policy, economics, environmental science and engineering. The course outline enables graduates in addressing specific energy and environmental problems. It is designed for students with a strong quantitative background and an accredited bachelor’s degree in engineering or applied sciences. Currently, this programme is offered in two modes, for both fulltime and part-time students:

Mode B: Coursework and Thesis
Mode C: Coursework

Programme Duration
The duration of study for fulltime is 1.5 to 3 years and part-time is 2 to 4 years

Selected Curriculum Outline

Compulsory Modules
- Fundamentals of Energy Conversion
- Sustainable Energy
- Fundamentals of Environmental Science and Engineering
- Chemicals in the Environment: Fate and Transport
- Research Methods

Elective (Subjects)
- Electricity and Natural Gas: Issues in Regulation and Economics
- Hazardous Waste Management
- Advanced Wastewater Treatment

Careers, Industry & Pathway
- Improving Environment
- Promoting Sustainable Energy
- Energy/Environmental Policy
- Managing projects on Energy and Environment
- Research/Technical Personnel

Entry Requirements
Obtained at least a Second Upper Class honours degree or CGPA of 3.00 or above (on a 4-point scale) in a relevant field (or an equivalent qualification) from a university of acceptable standing, and recognised by the Malaysian Government. Applicants who do not meet the required minimum qualification but with some relevant working experience will also be considered.

LANGUAGE PROFICIENCY
- Passed the Test of English as a Foreign Language (TOEFL) with a score of 550, or higher is required; OR
- Passed International English Language Testing Service (IELTS) with a minimum overall score of 6.0 on each individual component of the test; OR
- Provide other proof of English proficiency as evaluated through personal interviews with MUST.