The Diploma in Information Technology 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 the competitive job market of the 21st century. The programme is broad-based and provides students with basic knowledge and skills in Information Technology.

**Programme Duration**
2.5 years (5 semesters)

**Programme Structure**

**Year 1**
- Elementary English / Pre-Intermediate English
- Principles of Programming
- Information Systems
- Computer Workshop
- Introduction to Internet
- Discrete Mathematics
- Introduction to Database Systems
- Data Communication & Networking
- Algebra and Calculus

**Year 2**
- System Analysis & Design
- Advanced Programming
- Web Technologies
- Telecommunication & Wireless Communication
- Project Paper / Internship
- Program Electives

Program Electives:
- Data Structures & Algorithms
- Computer Architecture
- Introduction to Multimedia
- Digital Fundamentals and Logic Design
- Operating Systems
- E-Commerce
- Business Intelligence

**Careers, Industry & Pathways**

**Career Opportunities**
Programmer, System Analyst, Software Support, Software Tester, Trainer.

**Internship**
Students undertake a 3–6 months internship with an IT company in their final semester.

**Academic Pathways**
Graduates have the opportunity to pursue a Bachelor in Information Technology or Telecommunication at MUST or a similar program at another local or foreign university.

**Affiliated Professional Training Programmes**
Students can pursue IBM, Microsoft, Huawei or Cisco certification.

**Entry Requirements**

A. Local Students
Sijil Pelajaran Malaysia (SPM) or its equivalent with minimum 3 credits (including Mathematics).

B. International Students
GCE O level or equivalent.