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