



Bachelor of Information Technology (Honours)

Duration

3 years

Programme Code

(R/0611/6/0141) 06/31 (MQA/FA14329)

Intake

January, June & September

Faculty/Centre

Faculty of Science & Technology

Academic Pathways

Bachelor in Information Technology → Master in Information Technology OR any related programme → PhD (Information Technology OR any related programme)

Career Prospects

- Web Developer
- Business Intelligence Analyst
- Computer Support Specialist
- Customer Care Consultant
- IT Marketing Executive
- System Analyst
- IT Security Specialist



Scan the QR code for more information about this programme.

The programme provides students with current IT knowledge along with practical skills in programming and IT solution design. This programme provides a strong foundation in IT fundamentals while offering courses in key areas of Big Data Analytics, Business Intelligence and Cyber Security Technologies. Guided by experienced faculty members and supported by well-equipped resources, your learning journey will be enriching and rewarding.

Entry Requirements

- **Sijil Tinggi Persekolahan Malaysia (STPM)**
Pass with at least Grade C (CGPA 2.00) in two (2) subjects AND a credit in Mathematics at SPM level or its equivalent.
- **Sijil Tinggi Agama Malaysia (STAM)**
Pass with a minimum grade of Jayyid in any two (2) subjects and a credit in Mathematics at SPM level or its equivalent.
- **Matriculation/Foundation or its equivalent**
Pass with minimum CGPA of 2.00 AND a credit in Mathematics at SPM level or its equivalent.
- **Any Diploma (Level 4, MQF)**
Minimum CGPA of 2.75. Candidates whose CGPA is below 2.75 but above 2.00 can be accepted subject to a thorough internal assessment AND a credit in Mathematics at SPM level or its equivalent.
- **Diploma in Computing (Level 4, MQF) or its equivalent**
Minimum CGPA of 2.50. Candidates whose CGPA is below 2.50 but above 2.00 can be accepted subject to a thorough internal assessment AND a credit in Mathematics at SPM level or its equivalent.
- **Any other Diploma in Science and Technology or Business Studies**
Minimum CGPA of 2.50. Candidates can be accepted subject to a thorough internal assessment AND a credit in Mathematics at SPM level or its equivalent.
- **Diploma Kemahiran Malaysia (DKM)/Diploma Vokasional Malaysia (DVM)/Diploma Lanjutan Kemahiran Malaysia (DLKM)**
Holds a DKM/DVM/DLKM in Computing fields with a minimum CGPA of 2.50, subject to Senate approval. (Note: Candidates with DKM/DKLM or other qualifications without SPM can be accepted if their admission qualification includes Mathematics subject(s) equivalent to SPM-level Mathematics. If the subjects are not equivalent, a reinforcement Mathematics subject equivalent to the SPM level must be taken in the first semester or prior to enrolment with an unconditional offer)
- **International Baccalaureate (IB) Diploma**
Pass with a minimum of 26 points and above in six (6) subjects including Mathematics.
- **Other relevant and equivalent qualifications** recognised by the Malaysian government.

- **Note:** Candidates who have passed Mathematics at the SPM level are required to take and pass a reinforcement Mathematics subject equivalent to the SPM level. This reinforcement Mathematics subject must be taken in the first semester or prior to enrolment with an unconditional offer.

English Competency Requirements (International Student)

- Achieve a minimum of Band 3 in MUET; OR equivalent to CEFR (Low B2); OR
- IELTS: 5.5; OR
- TOEFL iBT: 46; OR
- Pearson English Test (PTE): 51; OR
- Cambridge English Qualifications and Tests: 160

Students who do not meet these requirements will be offered an English proficiency course by the University to ensure that their proficiency is sufficient to meet the needs of the programme.

Admission Criteria Through APEL.A

- At least 21 years old in the year of application
- Have relevant work experience
- Pass the APEL.A assessment at the Bachelor's Degree level (APEL.A T6)

Course Structure

Year 1

- Principles of Information Technology
- Discrete Mathematics
- Programming Concept and Design
- Computer Organisation
- Falsafah dan Cabaran Semasa (Local students)/ Bahasa Melayu Komunikasi 2 (International students)
- Principles of Management
- Information System Security
- Human Computer Interaction
- Database System
- System Development Tools and Techniques
- Principles of Networking
- Integrity & Anti-Corruption (KIAR)
- Data Communication
- Web Page Design
- Malaysian Government & Public Policy

Year 2

- Operating System
- IT Service Management
- Object Oriented Programming
- Introduction to Artificial Intelligence
- English for Academic Enrichment
- Web Application Development
- Parallel Computing
- Social and Professional Responsibilities in IT
- Mobile Applications Development
- Organizational Behaviour
- Specialization 1
- Specialization 2
- Entrepreneurship
- Aspirasi Negara Bangsa (Local students)/Citra Malaysia (International students)
- Cybersecurity

Year 3

- Research Method
- Leadership and Development
- Emerging Technology
- Knowledge Management
- Internship
- AMUnited 2
- Specialisation 3
- Specialisation 4
- Information Technology Collaborative Project

Specialisation

Group 1: AI for Analytics

- Applied Python Programming for AI
- Business Intelligence & Data Visualization
- Machine Learning and Analytics
- Ethical and Societal Impacts of AI

Group 2: Cyber Security Technologies

- System Administration and Maintenance
- Network Monitoring & Security
- Introduction to Cryptography
- Ethical Hacking

