

BACHELOR IN SOFTWARE ENGINEERING (HONOURS)

(R3/0613/6/0105) (A11215) 05/2030

This programme is designed to provide high quality undergraduate education to the students with the objective of preparing them for prolific careers and providing graduate training in the area of IT. This programme will reinforce IT areas while inventing and implementing new technology. The graduates will be able to apply sound judgement to the production, communal, ethical, and professional issues of the rapidly developing computing industry.



DURATION OF STUDY

Duration of Study: 3 years

CAREER PROSPECTS

Graduates from this programme will be gainfully employed in software services companies, outsourcing companies and other allied sectors as a web developer, programmer et cetera.



CITY UNIVERSITY JOHOR BAHRU CAMPUS

G-01, Ground Floor, Menara Selia, Persiaran Southkey 1, Kota Southkey, 80150, Johor Bahru, Johor

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ENTRY REQUIREMENTS

- A pass in Matriculation or Foundation studies with minimum CGPA of 2.0 or pass in STPM with a minimum Grade C (GP 2.0) in any 2 subjects and a credit in the following subjects at SPM Level or its equivalent:
 - a. Additional Mathematics; or
 - b. Mathematics and one of Science, Technology or Engineering subject
- A pass in STPM in Science Stream or equivalent with a minimum Grade C (GP 2.0) in one of Mathematics subjects and one of Science / ICT subjects; **OR**
- A Diploma in Computer Science OR Software Engineering OR Information Technology OR Information Systems or equivalent with a minimum CGPA of 2.5; **OR**
- Any other Diploma in science and technology with a minimum CGPA of 2.50. **OR**
- *Pass DKM/DLKM/DVM (HEP is required to implement a screening and bridging program which correspond to the program field).

Note: Candidates with specific prerequisites may be subject to additional internal evaluation.

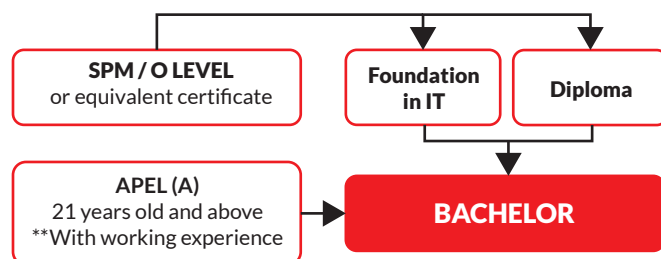
ENGLISH COMPETENCY REQUIREMENT (INTERNATIONAL STUDENT)

Evidence of good English competency orally and written. For example IELTS 6.0/equivalent.

Senate minimum requirements:

A minimum score of 4.0 in IELTS OR / Malaysian University English Test (MUET) with Band 3 OR its equivalent.

PATHWAYS



SUBJECTS OFFERED

YEAR 1

- Corporate Governance
- Academic Skills / Pengajian Malaysia 3
- Discrete Mathematics
- Introduction to Multimedia
- Computer Programming
- Applied AI for Professional
- Software Engineering
- Database System
- Modelling Simulation
- Software Testing
- Penghayatan Etika dan Peradaban / Bahasa Melayu Komunikasi 2

YEAR 2

- Systems Analysis and Design
- Artificial Intelligence
- Fundamentals of Modern Data
- Computer Communication and Networks
- Usability Engineering
- Software Architecture & Design
- Applied AU for Professional
- Human Computer Interaction
- Fundamental of Computational Thinking: Python
- Data Structure
- Operating Systems
- Object-Oriented Programming
- Software Project Management

YEAR 3

- Cyber Security
- Project 1
- Software Project Management
- Software Quality Assurance
- Software Integration & Improvement
- Entrepreneurship
- Project 2
- Analytics Storytelling for Impact/ Virtual Reality*
- Industrial Training * Elective Subjects
- Falsafah dan Isu Semasa



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