

SCHOOL OF SCIENCE & TECHNOLOGY

Bachelor of Information & Communication Technology (Hons)

(R/481/6/0762) 08/21 (FT), (R/481/6/0482) 05/19 (ODL)

Bachelor of Information & Communication Technology (BICT) programme is a full-time and part-time Bachelor programme offered by Asia e University, a leading dual-mode university. The programme is approved by the Malaysian Ministry of Higher Education and accredited by the Malaysian Qualifications Agency. It covers a wide range of topics on state-of-the-art technologies and concepts that prepare ICT professionals for today's industry. The flexibility in learning is ideal for busy working adults who aspire to enhance their qualifications.

Mercia (Indonesia)

Graduate

Bachelor of Information & Communication Technology

Learning Outcomes

Students will be able to:

- Adapt to operating environments and the factors that enhance work effectiveness.
- Become more critical in their thinking, measured in their approach, sensitive to their surroundings and matured in their handling of issues affecting their organisations.
- Become more creative, resourceful, able to work in teams and possess leadership qualities.
- Communicate effectively and prepare reports that meet user requirements.
- Become more responsible, ethical and committed to the promotion of good behaviour and conduct that meet professional standards.

Entry Requirements

- A pass in Matriculation or Foundation studies with minimum CGPA of 2.00 and a credit in Mathematics at SPM Level or its equivalent; OR
- A pass in STPM/A-level with a minimum Grade C (GP 2.00) in any 2 subjects and a credit in Mathematics at SPM/O-Level or its equivalent; or K-12 with at least C grade in 3 subjects and a credit in Mathematics at O-Level; OR
- A Pass in STAM with minimum grade of Jayyid and credits in Mathematics at SPM Level; OR
- A Diploma in Computer Science or Software Engineering or Information Technology or Information Systems or equivalent with a minimum CGPA of 2.50 and a credit in Mathematics at SPM Level or its equivalent; OR
- Any other Diploma in Science and technology or business studies with a minimum CGPA of 2.50 may be admitted subject to a rigorous internal assessment process and a credit in Mathematics at SPM level or its equivalent.

For International Students:

- A recognised university entrance qualification such as 'A' level /, University Foundation / Matriculation / Diploma or equivalent
- English skills equivalent to International English Language Testing System (IELTS) 5.5 or Test of English as a Foreign Language (TOEFL) 550 or any equivalent tests approved by the AeU Senate. Those who have their tertiary education in English shall be exempted from the above requirement.

Accreditation of Prior Experiential Learning (APEL) Entry Requirements:

- 21 years of age as of 1st January in the year of application
- Other equivalent qualifications recognised by the Senate of AeU; and
- Possess relevant work experience
- Passed an aptitude test and APEL assessment.

1. Fundamental Concepts of ICT
2. Computer Programming
3. Operating Systems
4. Discrete Mathematics
5. Information Systems Analysis and Design
6. Database System
7. Object Oriented Programming
8. Computer Communication and Networks
9. Introduction to Multimedia
10. Human Computer Interaction
11. Computer Security
12. Management Information Systems
13. Computer Ethics and Cyberlaws
14. Knowledge Management
15. ICT Project Management
16. Project Proposal
17. Final Project
18. Industrial Training

Specialisations (choose only one)

A) Information Systems

1. Design Language: Unified Modeling Language (UML)
2. E-Commerce
3. Customer Relationship Management
4. Computer System and Business Process
5. Data Warehousing
6. Decision Support Systems
7. Accounting Information Systems
8. IS Audit and Control
9. IS Strategic Planning
10. User Interface Design

B) Multimedia Computing

1. Multimedia System
2. Audio Technology for Multimedia
3. Video Technology for Multimedia
4. Multimedia Web Development
5. Principles & Design of Animation
6. Digital Animation Development
7. Virtual Reality
8. Game Design & Development
9. Mobile Computing
10. Multimedia Authoring & Scripting

C) Enterprise Networking

1. Fundamental of Enterprise Networking
2. Routing Protocol and Concepts
3. LAN Technologies
4. Distributed Systems
5. Introduction to Network Programming & Design
6. Switching Technologies
7. Wireless Technologies
8. Enterprise Network Management
9. Mobile Communications
10. WAN Technologies

D) Software Engineering

1. Software Engineering
2. Requirements Engineering
3. Software Constructions
4. Software Quality Assurance
5. Software Testing

6. Software Architecture and Design
7. Software Engineering for Real Time Systems
8. Agile Software Development
9. Software Integration and Improvement
10. Usability Engineering

Applicable to Malaysian Students only

1. Islamic and Asia Civilization
2. Ethnic Relations
3. Academic Writing
4. Comparative Ethics
5. Social Responsibility Project 2

Applicable to International Students (in Malaysia) only

1. Malaysian Studies 3
2. Malay Language and Communication 2
3. Academic Writing
4. Comparative Ethics
5. Social Responsibility Project 2

Note: For ODL Fully Online International Students (outside Malaysia) they only need to replace the above No.1 & 2 with:

1. The Fundamentals of English Grammar
2. The Web Economy

1. Information Literacy and Research Skills 2
2. Entrepreneurship in Asia
3. Asian Studies

PROGRAMME FACTS

Full Time	✓	Part-Time	✓
Duration		3 - 5 years	
No. of Semesters		14 (1 semester is 4 months)	
No. of Subjects		37 subjects + 2 project papers + industrial training	
Frequency of Tutorials (Optional)		Full-Time, Part-Time (On Needs Basis)	
Assessment		Assignment	60%
		Final Exam	40%

FINANCIAL INCENTIVES AND AIDS*

For Malaysian and international students:

- Merit Scholarship available for top-performing students
- 10% discount on tuition fee available through student loyalty scheme

For Malaysian students only:

- 10% discount on tuition fee for full payment of semester fees
- 50% discount on tuition fee for senior citizens who are 55 years of age & above
- 75% discount on tuition fee for the disabled
- EPF withdrawal assistance
- PTPTN loan assistance
- RM7,000 personal income tax relief

*Terms and conditions apply

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