Bachelor of Information & Communication Technology (Hons)  
KPT/JPS (N/481/6/0110) 08/16, FA1091 & A9489

Bachelor of Information & Communication Technology (BICT) programme offered by Asia e University, a leading dual-mode university recognised by 33 member countries of the Asia Cooperation Dialogue (ACD). It is accredited by the Malaysian Qualifications Agency (MQA) under the Ministry of Higher Education Malaysia. 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 and assessment is ideal for busy working adults who aspire to enhance their qualifications. With Open Entry Requirements, AeU recognises your prior learning and working experience in the fulfillment of academic curriculum.

**Learning Objectives**

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

**Entry Requirements**

- Diploma in Information Technology or equivalent with at least CGPA 2.00, OR
- Matriculation/preparatory programmes with at least CGPA 2.00 with a credit in Mathematics at SPM level OR
- STPM with 2 principals (CGPA 2.00) and a credit in Mathematics at SPM result, OR
- International Baccalaureate with 24 points, OR
- A Level/K-12 with at least C grade in 3 subjects and a credit in Mathematics at O-Level, OR
- Open Entry Requirements recognised by the Malaysian Ministry of Higher Education (ONLY applicable for BICT in part-time mode):
  - At least 21 years old and possess PMR/equivalent and relevant working experience, OR
  - Other qualifications recognised by AeU Senate

Mode of delivery: Part-time distance learning or full-time.
SUBJECTS

Core
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

4 Elective Subjects
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

General
Applicable to Malaysian Students only
1. Tamadun Islam dan Tamadun Asia
2. Hubungan Etnik
3. Academic Writing
4. Comparative Ethics
5. Social Responsibility Project

Applicable to International Students only
1. Malay Language (Bahasa Melayu) and Communication
2. Malaysian Studies
3. Academic Writing
4. Comparative Ethics
5. Social Responsibility Project

PROGRAMME FACTS

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Duration
3 - 5 years

No. of Semesters
14 (1 semester is 4 months)

No. of Subjects
33 subjects + 2 project papers + industrial training

Frequency of Tutorials
Full-Time (Daily), Part-Time (On Needs Basis)

Assessment
Assignment 60%
Final Exam 40%

MQA Accreditation
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EPF, PTPTN & HRDF Claimable
(For Malaysians)
Yes

Hotline: 1 300 300 238 • General Line: +603-2785 0000
Speed Line: +603-2785 0023 / 0181 / 0182 / 0027 • Fax: +603-2711 0436
enquiries@aeu.edu.my • www.aeu.edu.my

Note: All information is correct at the time of printing and is subject to change without prior notice.