

SCHOOL OF SCIENCE & TECHNOLOGY

Bachelor of Technology (Information Technology) (Hons)

(N/481/6/0207) 08/17

Bachelor of Technology (Information Technology) or BTech (IT) programme is offered as a work-based learning mode by Asia e University. The programme is approved by the Malaysian Ministry of Higher Education and accredited by the Malaysian Qualifications Agency and it has been offered in similar fashion in universities in UK and Europe. The uniqueness of this programme is that studying and working happens at the same time, making sense between academic theories and practical at workplace.



Learning Objectives

- Proficient with technical skills and knowledge related to computing technology as used by the industry
- Competent in the chosen specialisation to demonstrate the mastery of skills in solving the technological problem
- Ability to identify and communicate the technological requirements and problem-solving methods to the stakeholders
- Effective managerial skills with respect to meeting organisational expectation, managing project schedules, building team work spirit and professionalism.
- Ability to sustain lifelong learning for self advancement and the continuous involvement to the development of computer technology for humankind.

NORMAL ENTRY

For Malaysian Students:

- Sijil Tinggi Persekolahan Malaysia (STPM)/A-Level with at least Grade C in 2 courses with minimum CGPA 2.00, and credit in Mathematics at SPM level; OR
- Matriculation/Foundation with CGPA 2.00 and a credit in Mathematics at SPM level; OR
- Diploma in IT or equivalent with CGPA 2.5 (candidate with CGPA more than 2.00 can also apply and subject to AeU discretion); OR
- Any non-IT Diploma with CGPA 2.50 and a credit in Mathematics at SPM level; OR
- International Baccalaureate (IB) with 24 points

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 AeU English Placement test.

ALTERNATIVE ENTRY

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.

Entry Requirements

Core

1. Application Programming
2. Design Language: Unified Modelling Language (UML)
3. User Interface Design
4. Software Integration & Architecture
5. Networking Interface and Programming
6. Software Project Management
7. Platform-based Enterprise Programming
8. Computer Systems and Business Process
9. Database Design and Programming
10. Service-Oriented Architecture and Web Services
11. Web Development and Technology
12. Business Operations and Services
13. Professional Industrial Project I
14. Professional Industrial Project II
15. Professional Industrial Project III

Compulsory Electives

1. Application of IT in Academics OR E-Learning
2. Critical Thinking and Problem-Solving Skills
3. Communication Skills

Specialisation (Choose Only One)

A) Computer Network Security

1. Ethical Hacking Methods and Techniques
2. Internet Intranet Management and Security
3. Intrusion Detection System
4. Network Security
5. Secured Programming
6. Secured Software Development

B) Web And Mobile Computing

1. Mobile Commerce
2. Mobile Device Programming
3. Multimedia Design and Scripting
4. Operating System for Mobile Device
5. Web and Multimedia Application Development
6. Web Design and Programming

C) Service-Oriented Architecture (SOA)

1. Business Process Integration Techniques and Methodologies
2. Business Process Modelling Language
3. Service Computing Technology
4. Service Legal Agreement and Contract
5. Service Science Architecture for Enterprise
6. SOA Component Integration

D) Software Development

1. Requirement Analysis Methodologies
2. Software Project Management and Practices
3. Software Quality Assurance
4. Software Specifications and Architectural Design
5. Software Testing and Maintenance
6. Technical Software and Development

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

University Compulsory

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

PROGRAMME FACTS

Mode of delivery	Open Distance Learning	✓
Study Mode	Work-Based Learning (Part-Time): Online Tutorial, Face to Face, Laboratory Work and Practical Demo	
Duration	3 - 4 years	
Frequency of Tutorials	Fully online (tutorial will be arranged when necessary)	
No. of Subjects	29 subjects + 3 projects	
Assessment	Work observations, in-company project, log book / work diary, interview at work, reflective writing, work portfolio	

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

Asia e University

No. 4, Jalan Sultan Sulaiman, 50000 Kuala Lumpur, Malaysia.

Hotline: 1 300 300 238 • Speed Line: +603-2785 0023 / 0181 / 0182 / 0183 / 0117 / 0027

• General Line: +603-2785 0000 • Fax: +603-2711 0436 • Email: enquiries@aeu.edu.my • www.aeu.edu.my



AsiaeUniversityFans



asiaeuniversity



asiaeuniversity



asiaeuniversity