Bachelor of Technology (Information Technology) (Hons.)

Bachelor of Technology (IT)(Hons) or BTech(IT)(Hons) programme is offered as work based learning mode by Asia e University, a university established under the Asia Corporation Dialogue (ACD) comprising 31 countries. This programme is a well recognized degree that has been offered in similar fashion in universities in UK and Europe. The unique of this programme is that studying and working happen 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 industries
- Competent in the chosen specialization 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 organizational expectation, managing project schedule, 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.

Entry Requirements

- A diploma in IT (or relevant) with at least CGPA of 2.50 (candidate with CGPA more than 2.00 can also apply and subject to AeU further assessment) OR
- A non-IT diploma with at least CGPA of 2.50 and a credit in Mathematics during SPM OR
- Pass STPM/A-Level or equivalent with at least C grade in 2 courses, a CGPA of 2.00, and a credit in Mathematics during SPM OR,
- Matriculation/Preparatory programs with at least CGPA of 2.00 and a credit in Mathematics during SPM OR,
- International Baccalaureate (IB) with 24 points OR,
- Open Entry Qualifications recognized by the Ministry of Higher Education Malaysia - at least 21 years old and possess PMR or equivalent
SUBJECTS

MQA
1. Bahasa Kebangsaan
2. Malaysian Studies
3. Islamic Studies/Moral Studies

University Compulsory
1. Academic Writing
2. Entrepreneurship in Asia
3. Asian Studies
4. Ethics in Asia

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

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

A) COMPUTER NETWORK SECURITY
1. Ethical Hacking Methods and Techniques
2. Internet Intranet Management and Security
3. Intrusion Detection System
4. Network Security
5. Secure 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
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 ENGINEERING
1. Requirement Analysis Methodologies
2. Software Project Management and Architectural Design
3. Software Quality Assurance
4. Software Specifications and Architectural Design
5. Software Testing and Maintenance
6. Technical software and Development

FREQUENTLY ASKED QUESTIONS

1. When are the intakes?
   • January, May and September.

2. How do you apply?
   • Go to our website: www.aeu.edu.my
   • Click on “Apply Online”
   • Submit the form

3. How many subjects per semester?
   • 2 - 3 subjects per semester

4. Is there any financial assistance?
   • If you pay the full semester fee before Week 3 of that semester, you are entitled for 10% discount
   • If you perform very well in a semester, you may be eligible for the AeU Merit Scholarship which entitles you to a waiver of the tuition fee for the next semester

5. What are the breakdowns of the assessments?
   • Continuous Assessment – 60 – 70%
   • Final Exam – 40% – 30%

* Terms and conditions apply