



# Bachelor of Information Technology ((Hons) in Software Engineering)

## COURSE OVERVIEW

Bachelor of Information Technology (Hons) is a cutting-edge course that reflects today's emerging technologies in its study of areas such as information security management and computer networking. Graduates will emerge into a rapidly growing market with the skills needed to work with business information systems.

 3 years (9 semesters)

## COURSE INTAKE

JANUARY | APRIL | SEPTEMBER

## AREAS OF KNOWLEDGE

- **Computer and Network Security**  
Strategy to protect computer systems, network and electronic
- **Data Analytics**  
Collection, processing and analysis of big data transforms raw information to business intelligence
- **Software Engineering**  
Design, construct and test applications on various programming platforms



### ENTRY REQUIREMENTS

- 2 A Levels or
  - BTEC/BDTVEC HND
  - IBTE Level 4 HNTec or
  - BTEC/BDTVEC ND or
  - Foundation Diploma/Certificate
- or any other equivalent qualifications recognised by the authorities concerned



### ASSESSMENT

Through examinations, coursework, assignments, practical projects and presentations



### AWARDS OF CERTIFICATE

The student will be awarded by the UNITAR International University of Malaysia



### CAREER PROSPECTS

Computer Information Specialist, Computer Intelligence Officer, Cyber Security, Cyber Forensic Investigator, Database Developer, Web and Applications Developer

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## List of modules

YEAR 1	YEAR 2	YEAR 3
<ul style="list-style-type: none"><li>• Introduction to Information Systems</li><li>• Information Security Management</li><li>• Discrete Mathematics</li><li>• Programming Principles and Techniques</li><li>• Computer Organisation and Architecture</li><li>• Computer Ethics and Cyber Laws</li><li>• Databases</li><li>• English for Academic Purposes</li><li>• Hubungan Etnik</li><li>• MIB</li><li>• Business Communication</li><li>• Elective 1</li><li>• Elective 2</li><li>• Elective 3</li></ul>	<ul style="list-style-type: none"><li>• Elective 4</li><li>• Human Computer Interaction</li><li>• Data Communication and Computer Networking</li><li>• Design Thinking/Bahasa Kebangsaan A</li><li>• Object-Oriented Programming</li><li>• Systems Analysis and Design</li><li>• Internet Programming</li><li>• Algorithms and Data Structures</li><li>• Principles of Artificial Intelligence</li><li>• Entrepreneurship</li><li>• Minor Project</li><li>• Requirements Engineering</li><li>• Object-Oriented Software Engineering</li><li>• Software Quality and Metrics</li></ul>	<ul style="list-style-type: none"><li>• Software Project Management</li><li>• Software Testing and Maintenance</li><li>• Web Engineering</li><li>• Software Architecture and Design</li><li>• Major Project</li><li>• Recreational Event Planning</li><li>• Operating Systems</li><li>• Industrial Training</li></ul>



### Elective 1,2 & 3 (Choose 3)

- Digital Business
- Service Management
- Quantitative Methods
- Labour Law and Industrial Relations
- Introduction to Psychology

### Elective 4 (Choose 1)

- Principles of Management
- Principles of Accounting
- Personal Financial Planning

