

Bachelor of Information Technology (Hons)

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 skill needed to work with business information systems.

 3 Years (9 Semesters)

COURSE INTAKE

JANUARY | MAY | 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
- **Cloud Computing**
On-demand, internet-based delivery of IT resource, understanding Cloud Computing concepts and hands-on experience



ENTRY REQUIREMENTS

- 2 'A' Levels **OR**
- BTEC/BDTVEC HND **OR**
- 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

Core Modules

- Database
- Computer Organization and Architecture
- Programming Principles and Techniques
- Business Communication
- Information Security Management
- Introduction to Information System
- Algorithms and Data Structures
- Computer Ethics and Cyber Laws
- Human Computer Interaction
- Operating Systems
- Discrete Mathematics
- Object-Oriented Programming
- Cloud Computing
- Data Communication and Computer Networking
- System Analysis and Design
- Software Project Management
- Principles of Artificial Intelligence
- Internet Programming
- All four (4) Electives
- Choose one (1) Field Elective
- Minor Project (FYP)
- Major Project (FYP)
- Industrial Training

Elective Modules

- Digital Business
- Service Management
- Quantitative Methods
- Principles of Economics

MPU Modules

- Falsafah dan Isu Semasa
- Penghayatan Etika dan Peradaban
- Design Thinking
- Recreational Event Planning
- Integriti dan Anti-Rasuah

Field Elective : Cybersecurity

- Computer Forensics Investigation
- Computer Forensics Investigation
- Ethical Hacking
- Secure Software Development

Field Elective : Data Analytics

- Business Intelligence
- Principles of Machine Learning
- Programming for Data Analytics
- Big Data Analytics
- Research Methods for Data Analytics

Field Elective : Cloud Computing

- Cloud and Mobile Computing
- Cloud Security
- Cloud Computing with DevOps
- Visualization Concept
- Cloud Computing Architecture