



# BACHELOR OF INFORMATION TECHNOLOGY

KPT/JPS(N/0614/6/0004)(MQA/PA16714)08/28

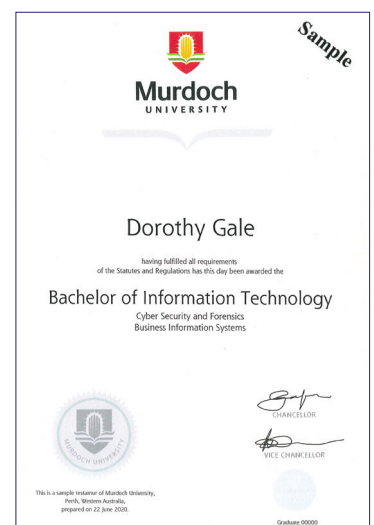
# CYBER SECURITY AND FORENSICS

in collaboration with Murdoch University, Australia

Increasingly, government and corporate organisations need to identify information security risks and interdependencies between business functions. Escalating security threats to organisations' information assets and increasing needs for organisations to comply with governance of information management have resulted in organisations requiring well-trained ICT professionals capable of addressing three key issues: managing information; protecting information; and forensic investigation of information security incidents. Graduates of this major will be well suited to meet these important industry demands.

The Cyber Security and Forensics major in the Murdoch Bachelor of Information Technology aims to develop graduates who are:

1. Capable of developing creative solutions to real-world problems
2. Work ready with well-developed critical thinking and creative problem solving skills
3. Able to succeed in a range of careers including: information security consultant, cyber forensic investigator, database developer/administrator, computer intelligence officer



### Career Opportunities:

Cyber Forensics Investigator | Cyber Security Analyst | IT Security and Risk Analyst/Consultant | Ethical Hacker | Forensics Auditor | Information Security Officer



**DURATION: 3 YEARS**



**INTAKES: JANUARY, MAY AND SEPTEMBER**

## MODULES

### Year 1 (UCSI)\*

- Discrete Mathematics
- Database Design Concepts
- Object-oriented System Analysis & Design
- Data Structure and Algorithms
- Networking Technologies
- Information Technology & Computer Systems
- Introduction to Business
- English for Business
- Business Skills for E-Commerce
- Business Statistics

#### MPU Subjects:

- Bahasa Melayu Komunikasi 2/  
Penghayatan Etika & Peradaban
- Bahasa Kebangsaan A/Integrity and Anti-Corruption
- Philosophy & Current Issues

### Year 3 (Murdoch)

- Cyber Forensics and Information Technology
- Security Architectures and Systems Administration
- Information Security Policy and Governance
- IT Professional Practice Project
- Elective 2
- Elective 3
- Elective 4

#### Notes:

- \*Students will be awarded an exemption of Murdoch's Year 1 modules after completing UCSI's Year 1 modules.
- ^Students will be awarded a second major in Business Information Systems after completing these electives.
- All modules are subject to change

### Year 2 (Murdoch)

- Consulting and Freelancing
- Introduction to Server Environments and Architectures
- Introduction to ICT Research Methods
- System Analysis and Design
- Databases
- Computer Security
- Information Technology Project Management
- Building Employability Skills
- Elective 1

#### MPU Subjects:

- Green Business
- Co-curriculum

#### Industrial Exposure

- Industrial Placement

#### Electives\*

- Information System Management^
- Business Intelligence Application Development^
- Advanced Business Analysis Design^
- Enterprise Architectures^
- Intelligent Systems
- Principles of Computer Science

## ENTRY REQUIREMENTS

UCSI College Foundation in Science/Business/ Matriculation	CGPA of 2.00 and a credit in Mathematics at SPM Level or its equivalent (Subject to approval by Murdoch University)
A-Levels/STPM	Aggregate of 6 points from a maximum of the best 2 or 3 subjects and a credit in Mathematics at SPM level or its equivalent (A*=6, A=5, B=4, C=3, D=2, E=1)
SACE International	ATAR 70 in 5 subjects including a Mathematics subject
Diploma in Information Technology or Diploma in Information Systems or other IT-relevant diploma programmes	CGPA of 2.50 (Direct entry to Year 2, subject to approval)
Unified Chinese Examination (UEC)	A total of 20 points or lower from the best 5 academic subjects
Other qualifications	Other comparable qualifications assessed on a case-by-case basis, recognised by the Malaysian Government, and approved by Murdoch University

English requirement: Overall 6.0 (Academic) with no individual bands below 6.0 in IELTS or Credit in O-Level English (1119) or Grade A in SPM English or its equivalent.



Contact us at **+6017-6910417** for more information

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