



# DIPLOMA IN INFORMATION TECHNOLOGY (CYBER SECURITY) MQA/PA6624

## PROGRAMME OVERVIEW

The Diploma in Information Technology (Cyber Security) programme is designed to prepare students for entry-level cybersecurity positions. Throughout the programme, students will be provided with the principles and practices of digital and cybersecurity, equipped with analytical and technical skills necessary in the areas of network security, software security and digital forensics such as installing and configuring critical software, monitoring networks, responding to cyber attacks, assessing threats, and finding and fixing vulnerabilities. Graduates of the programme will become cybersecurity specialists who are capable of helping their organisations to secure computer and network resources as well as critical and sensitive information.

## ENTRY REQUIREMENTS

- Pass Sijil Pelajaran Malaysia (SPM) with at least 3 credits including Mathematics and Bahasa Melayu; OR
- Pass General Certificate of Education (GCE) O-Level with a minimum of grade B in 3 subjects including Mathematics and Bahasa Melayu; OR
- Pass Unified Examination Certificate (UEC) with a minimum of grade B in 3 subjects including Mathematics and Bahasa Melayu; OR
- Pass Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum CGPA of 2.00 and at least a credit in Mathematics at SPM level; OR
- Pass Computing Certificate (Level 3 KMM) with a minimum CGPA of 2.00 and at least a credit in Mathematics at SPM level; OR
- Pass both Sijil Kemahiran Malaysia (Level 3 SKM) and SPM, with at least a credit in Mathematics at SPM level; OR
- Other equivalent qualification that is recognised by the Malaysian Government.

<b>LEVEL OF STUDY :</b>	Diploma
<b>FACULTY :</b>	Faculty of Computing
<b>DURATION :</b>	3 Years (6 Long Semesters + 2 Short Semesters)
<b>STUDY MODE :</b>	Full Time
<b>INTAKE :</b>	January / April / August

## ENGLISH REQUIREMENT

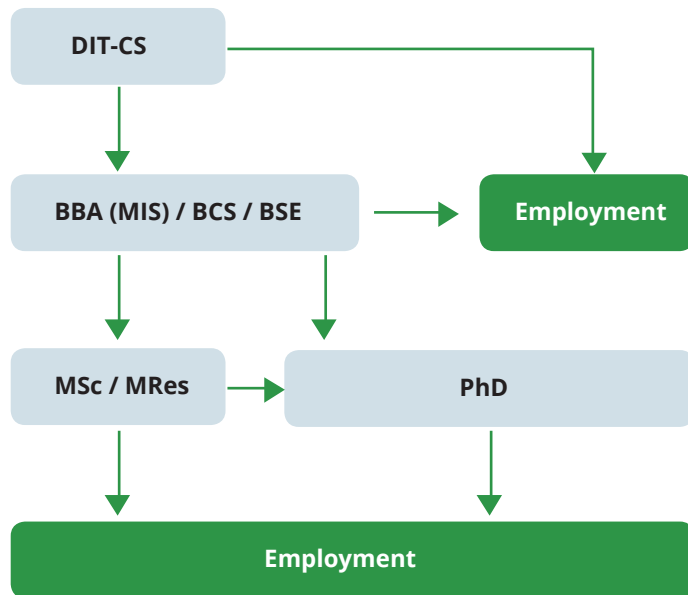
### For Malaysian candidates:

- Pass Bahasa Inggeris in SPM
- Pass English 1119.

### For international candidates:

- Pass TOEFL (within the 2-year validity period) with a minimum score of 550; OR
- Pass IELTS (within the 2-year validity period) with a minimum score of Band 6.

## STUDY / CAREER PATHWAY



## CAREER OPPORTUNITIES

- IT Security Analyst
- IT Security Engineer
- IT Security Consultant
- Computer Forensic Examiner
- IT Security Officer
- Network Security Administrator
- Information Security Consultant
- Security Penetration Tester
- Software Security Specialist
- Digital Forensics Scientist
- Malware Analyst
- Cyber Security Auditor
- Computer Forensics Investigator

## COURSE OUTLINE

### Year 1

- Introduction to Computing
- Cognitive Process and Problem Solving
- Problem Solving and Programming
- Computing Mathematics I
- Computing Mathematics II
- Computer Architecture
- Systems Analysis and Design
- Object-Oriented Programming Fundamentals
- Operating Systems
- Networking Fundamentals
- Digital and Cyber Laws
- Cyberpreneurship
- Pengajian Malaysia II

### Year 2

- Database Information Systems
- Introduction to Information Security
- Internetworking Security
- Internetworking Technologies
- Secure Software
- Information Technology Security Management and Audit
- Risk Management
- Internet Server Technologies
- Effective Communication – Workplace and Persuasive Presentation
- Issues in Malaysian Economy
- Co-Curriculum
- Elective 1
- Elective 2

### Year 3

- Introduction to Ethical Hacking and Intrusion Prevention
- Forensics in Digital Security
- Elective 3
- Final Year Project
- Practical Training

## APPLICATION PROCEDURE

Online application is available at [admission.unimy.edu.my](http://admission.unimy.edu.my)

## FOR ENQUIRIES

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## WEBSITE

[www.UniMy.edu.my](http://www.UniMy.edu.my)

 [www.facebook.com/unimyofficial](https://www.facebook.com/unimyofficial)  
 <https://twitter.com/unimyofficial>

## ADDRESS

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Jalan Alamanda 2, Precinct 1  
62000 Wilayah Persekutuan Putrajaya, Malaysia.



## ACADEMIC PARTNERS



## INDUSTRY PARTNERS

