

**UNIMY**

UNIVERSITY MALAYSIA  
OF COMPUTER SCIENCE  
& ENGINEERING



**PUSAT PENDIDIKAN BERTERUSAN**  
*Centre for Continuing Education*

# Diploma in Information Technology (Cyber Security) (DCY)

R/482/4/0095 (FA 6624) 11/25



EPF WITHDRAWAL, EDUCATION BANK LOANS AND  
0% INTEREST FREE INSTALLMENT SCHEMES AVAILABLE

[unimy.edu.my](http://unimy.edu.my)



# What Is This Programme About?



Our Diploma in Information Technology (Cyber Security) provides an introduction to digital and cybersecurity, equipping students with analytical and technical skills for network and software security, digital forensics, and responding to cyber-attacks. The curriculum covers critical software installation and configuration, network monitoring, threat assessment, and vulnerability resolution.

Graduates will have the knowledge and expertise to become cybersecurity specialists and protect computer and network resources, critical and sensitive information, and assist organizations in safeguarding their assets.



# What Are UNIMY Advantages?

- **Industry Focused** - The teaching and learning, as well as research are driven by and relevant to the industry.
- **8 Focus Areas** - Specifically tailored to prepare students for Industry 4.0, encompassing all the leading and emerging digital technology areas.
- **Teaching Excellence** - UNIMY lecturers with industry experience and exploiting transformative teaching and learning approaches and techniques.
- **International Outlook** - UNIMY strives to be more global in terms of students, staff, and research through enriched international collaborations.
- **Leading Edge Curriculum** - Benchmarked against the best practices of top-notch global IT schools, UNIMY assures a high-quality standard of its education, in terms of content and delivery.

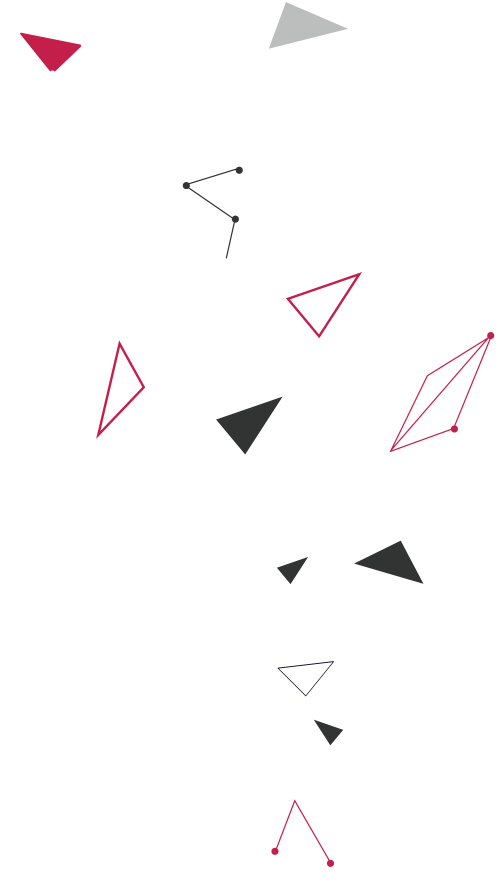


# What Will I Learn?



## YEAR 1

- Introduction to Computing
- Cognitive Process and Problem Solving
- Problem Solving and Programming
- Computing Mathematics I & II
- Object-Oriented Programming
- Networking Fundamentals
- Digital and Cyber Laws
- Database Information Systems
- Effective Communication – Workplace and Persuasive Presentation
- Issues in Malaysian Economy
- Cyberpreneurship
- Pengajian Malaysia II



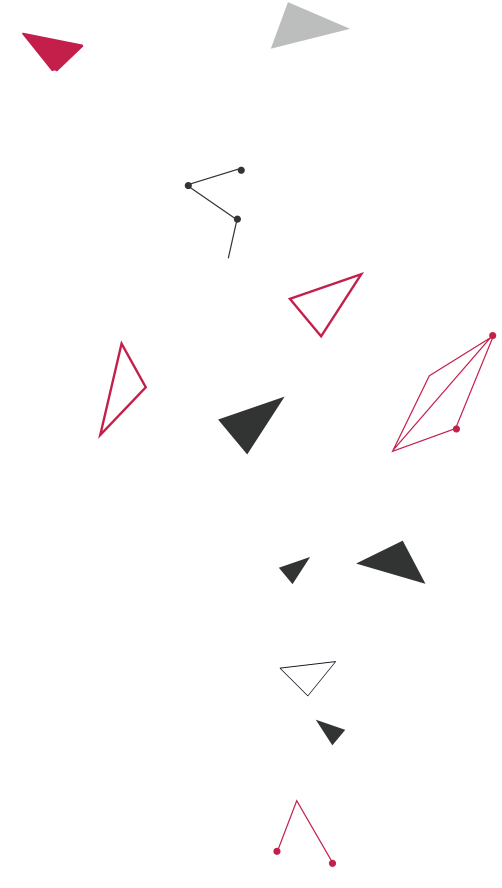


# What Will I Learn?



## YEAR 2

- Introduction to Information Security
- Internetworking Security
- Internetworking Technologies
- Secure Software
- Information Technology Security Management and Audit
- Operating Systems Concepts
- Systems Analysis and Design
- Computer Architecture
- Risk Management
- Internet Server Technologies
- Introduction to Ethical Hacking and Intrusion Prevention
- Community Service
- \*Elective Module I
- \*Elective Module II



# What Will I Learn?

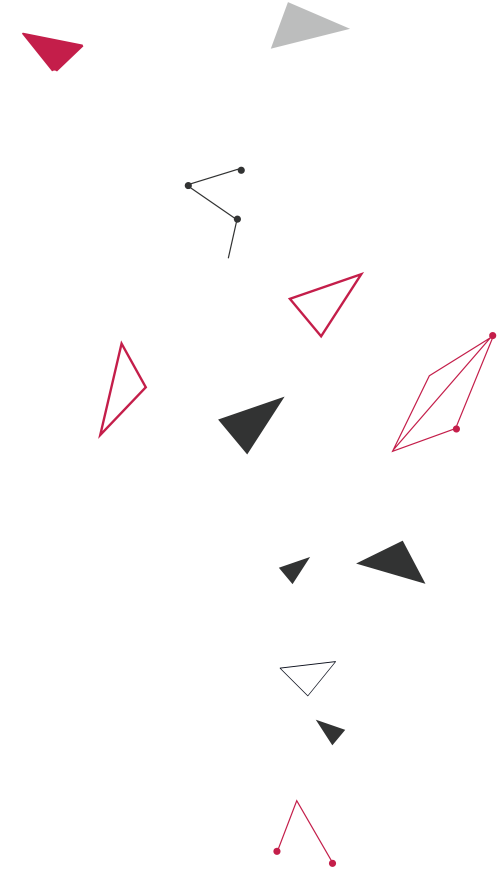


## YEAR 3

- Forensics in Digital Security
- \*Elective Module III
- Final Year Project
- Practical Training

## ELECTIVES (Choose 3)

- Introduction to Human Computer Interaction
- Introduction to Cryptography
- Network Infrastructure
- Data Centre and Cloud Management
- Basic Concepts of Marketing





# Why Choose This Programme At UNIMY?



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- Local and Global Internship - CyberSecurity Malaysia, Malaysian Airports Holding Berhad, TM Research and Development, KPMG, Petronas and many more.
  - Expert Faculty with Industry Experience - Learn from qualified and experienced lecturers who possess a strong industry background, providing you with valuable insights and guidance.
  - Industry-Driven Curriculum - UNIMY has established an Industry Advisory Board (IAB) to ensure Diploma in Information Technology (Cyber Security)'s modules meet the latest industry standard.
  - Industry Certifications - UNIMY's programme prepares students for industry certifications such as CompTIA Security+, and Certified Ethical Hacker (CEH).

# What Is My Pathway?



**DOCTOR OF PHILOSOPHY (COMPUTING)\*\***

**MASTER IN COMPUTING\*\***

**MASTER OF SCIENCE (COMPUTER SCIENCE)\*\***

**BACHELOR OF COMPUTER ENGINEERING**

**BACHELOR OF COMPUTER SCIENCE  
(CYBER SECURITY)\*\***

**BACHELOR OF COMPUTER SCIENCE  
(DATA SCIENCE)**

**BACHELOR OF COMPUTER SCIENCE**

**BACHELOR OF SOFTWARE ENGINEERING**

**DIPLOMA IN  
INFORMATION TECHNOLOGY  
(CYBER SECURITY)**

*\*\*subject to MQA and MOHE's approval*





# What Are The Entry Requirements?



Pass SPM /SPMV with at least credit in any 3 subjects, inclusive of Mathematics; or

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Pass IGCSE / O-Level with a minimum of grade C in any 3 subjects inclusive of Mathematics; or

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Pass UEC with a minimum of grade B in any 3 subjects inclusive of Mathematics; or

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Any equivalent qualification recognized by the government of Malaysia.

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Trial Examination/ Forecast results are accepted.



# What Are The Entry Requirements?



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## English Language Proficiency

Malaysian Students

- **SPM/IGCSE** - Minimum Pass

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International Students

- **MUET** - Minimum Band 3.0; or
- **GCSE** - Minimum Pass; or
- **IELTS** - Minimum Band 4.0; or
- **TOEFL iBT** - Minimum Score 30; or
- **PTE** - 36; or
- **LINGUASKILL** - 140; or
- Any equivalent qualifications recognized by the Malaysian Government (equivalent to CEFR Low B1)

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\*\* Validity of test results:

- **MUET** - 5 years
- **IELTS, TOEFL, PTE & LINGUASKILL** - 2 years



# What Is The Study Mode & Duration?



**Mode:**

*Blended Learning*



**Duration:**

*2.5 Years  
(5 Long Semesters  
+2 Short Semesters)*



# What Is The Fee?

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## Malaysian Students



### All In Payment

RM 22,000

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### Ez Payment Plan

RM 3,900 +  
(RM 1000 x 20 Months)

Total:

RM 23,900

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## International Students

### All Inclusive Fee

RM 24,900

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# When Can I Start?



**Intakes:**

*February, May,  
& September*



# FAQs

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## Q. Is UNIMY a recognized university?

Yes, UNIMY is a recognized university in Malaysia and its programmes are accredited by the Malaysian Qualifications Agency (MQA).

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## Q. What is the career prospects for Diploma in Information Technology (Cyber Security) programme?

- 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
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# FAQs

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## **Q. Can I do transfer credit to a degree programme after completing the Diploma in Information Technology (Cyber Security)?**

Yes, it may be possible to transfer credits earned from our Diploma in Information Technology (Cyber Security) based on MQA to a bachelor degree programme at UNIMY or another institution.

However, this will depend on the specific policies of the institution and programme you wish to transfer to, as well as the courses and grades you have earned at UNIMY.

It is recommended that you consult with the admissions office of the institution you are interested in transferring to for more information on their credit transfer policies and requirements.

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# Terminology

**Algorithm:**

A step-by-step procedure or formula for solving a problem.

**Artificial Intelligence:**

The development of computer systems capable of performing tasks that typically require human intelligence, such as problem-solving and decision-making.

**API (Application Programming Interface):**

A set of tools and protocols allowing different software applications to communicate with each other.

**Binary:**

A system that uses only 0s and 1s to represent information, like a computer's language.

**Bug:**

An error or flaw in a software program.

**Cloud Computing:**

The delivery of computing services, including storage, processing power, and software, over the internet.

**Cryptography:**

The practice and study of techniques for secure communication in the presence of third parties.

**Cyberpreneurship:**

Entrepreneurship in the field of cybersecurity and digital technology.

**Data Science:**

A multidisciplinary field that uses scientific methods, processes, algorithms, and systems to extract knowledge and insights from structured and unstructured data.

**DNS (Domain Name System):**

The system that translates human-readable domain names into IP addresses.

**Ethical Hacking:**

Authorized hacking to identify and fix security vulnerabilities.

**Encryption:**

The process of converting information into a code to prevent unauthorized access.



**Firewall:**

A security system designed to prevent unauthorized access to or from a private network.

**Framework:**

A pre-built structure or set of tools that developers use to build software applications more efficiently.

**HTML (Hypertext Markup Language):**

The standard markup language for documents designed to be displayed in a web browser.

**Hackathon:**

A blend of "hack" and "marathon," it's an event where programmers collaborate intensively on software projects.

**Human Computer Interaction (HCI):**

The study of how people interact with computers and to design technologies that let humans interact with computers.

**Information Security:**

Measures to protect information from unauthorized access, disclosure, alteration, or destruction.

**Java:**

A widely-used, object-oriented programming language.

**Machine Learning:**

A subset of artificial intelligence (AI) that enables systems to learn and improve from experience.

**Mobile and Wireless Networking:**

The study and implementation of networks specifically designed for mobile devices and wireless communication.

**Network Infrastructure:**

The underlying foundation that allows a network to function, including hardware, software, and connectivity components.

**Object-Oriented Programming (OOP):**

A programming approach that organizes code into objects with properties and behaviors.

**Open Source:**

Software whose source code is freely available for anyone to inspect, modify, and enhance.

**Protocol:**

A set of rules governing the exchange of data between devices or systems.

**Python:**

A high-level, versatile programming language known for its readability and ease of use.

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*Join Us  
Now!*

#OwnYourFuture



## University Malaysia of Computer Science & Engineering

(678420-U)

### Join Us Now!



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