



## COURSEWORK PROGRAMME

# MASTER OF SCIENCE IN DIGITAL SECURITY

Leveraging your organisation IT Security



## ABOUT US

Since inception in 2006, UPNM now has more than 15 years of experience in teaching, training, professional development, leadership, and research. It continues to advance as a leading university in Asia niche in the field of defense, military, and security.



+603 9051 3400  
(Ext. : 3033/3516)



<https://cgs.upnm.edu.my>

## MASTER OF SCIENCE IN DIGITAL SECURITY

### ✓ Programme Overview

Digital security is the collective term that describes the resources employed to protect your digital identity, data, and other assets. These tools include web services, antivirus software, smartphone SIM cards, biometrics, and secure personal devices. In other words, digital security is the process used to protect your digital identity. Digital security is absolute, and Malaysia needs professionals with the knowledge and skills to understand and mitigate threats systematically. Therefore, effective management governance and technical skills are essential in ensuring that digital security risks and threats are well managed. Through this combined approach, Malaysia can maintain and protect its critical services and information infrastructure from digital security threats that emerge from time to time. Therefore, the need to build expertise in digital security skills becomes very apparent. To meet this demand, UPNM offers a program that capable of producing responsive and diligent digital security experts in Malaysia. Serving the market needs, this programme is designed thoroughly to enable graduates to achieve the following:

- Graduates are competent to apply the latest knowledge, principles, skills and techniques in line with the current developments and research in digital security.
- Graduates are proficient in performing an effective and professional leading role, managing the service related to digital security, not only of the organisation in which they work but also of the community as a whole.
- Graduates can contribute and provide the necessary services related to the field of digital security to organisations, society and the Nation.



### Who Should Attend?

Candidates with a background in computing or IT, experienced and specialised in cyber security, are most welcome.

Candidates that have a particular interest in cyber security and a good level of technical competence, are also considered.

- Military officer
- Police officer
- Immigration officer
- Security agency officer
- Risk officer,
- Cyber Investigation officer
- Protective officer



## ✓ Entry Requirement

A bachelor's degree in Computing or related fields or equivalent with a minimum CGPA of 2.75 or equivalent qualification from NDUM or any recognised university by the Senate; or

i. A bachelor's degree in Computing or in the field or related fields or equivalent with a minimum CGPA of 2.50 or equivalent from NDUM or any recognised university by the Senate not meeting a CGPA of 2.75 can be accepted subject to rigorous internal assessment; or

iii. A bachelor's degree in Computing field or related fields or equivalent with a CGPA less than 2.50 or equivalent from NDUM or any recognised university by the Senate can be accepted subject to a minimum of five (5) years working experience in any relevant field and rigorous internal assessment; or

iv. Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses determined by the Senate and meet the minimum CGPA based on Clause (i) and/or Clause (ii) and/or Clause (iii) of the above.

Other qualifications recognised by the Senate that are obtained through Accreditation of Prior Experiential Learning (APEL A Certificate APEL T-7).

The English language requirement applies to foreign/international applicant where English is not their native/official language. This requirement does not apply to International applicants with an accredited bachelor and master's degree obtained from Malaysian based academic institutions.



## ✓ Duration of Study

	Min	Max
Full Time	1 year	3 years
Part Time	2 years	4 years

## ✓ Study Fee

	Malaysian	International
Full Time	RM 15,000.00	RM 26,630.00
Part Time	RM 19,875.00	RM 29,855.00

*Fee is subjected to change from time to time as suggested by the university Senate*

## ✓ Structure of Study

The candidate must complete 40 credits of courses comprising core courses, elective courses and project dissertations that will be delivered in various modes including: lab work and lectures, individual and group assignments, case studies and presentations.

Components	Modules	Credit
Core	Introduction to Computer Networking	4
	Big Data Security	4
	Computer Network Security	4
	Software Security	4
	Distributed Systems and Cloud Computing	4
	Research Methodology	2
	Elective (2 modules only)	Software Engineering
Secure Communications		4
Secure Networks (Mobile Systems Security)		4
Secure Application		4
Research	Research Project 1	4
	Research Project 2	6
Total Credit Hours		40

## ✓ Application

All applications must be submitted to the Centre for Graduate Studies, National Defence University of Malaysia.

The application form can be downloaded from the NDUM website at <https://cgs.upnm.edu.my/index.php/en/>

Notes:

