

COURSEWORK PROGRAMME

MASTER OF SCIENCE IN CYBER SECURITY AND MANAGEMENT (MCSM)

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 CYBER SECURITY AND MANAGEMENT (MCSM)

✓ Programme Overview

Threats to our cyber security are real and Malaysia requires professionals with knowledge and skill to understand and mitigate threats systematically. Thus, effective management and governance, as well as technical skills, are essential in ensuring cyber security risks and threats are well managed. Through this combined approach, Malaysia can maintain and protect its critical services and information infrastructure from cyber security threats that emerge over time. Therefore, the need to build expertise in cyber security skills become very significant. To meet this demand, the National Defence University of Malaysia (NDUM) offers a program that is capable of producing responsive and diligent cyber security experts in Malaysia. Our program has some specialities as compared to others because of the following:

- To produce graduates who can cope, adapt and make appropriate decisions in a dynamic cyber security environment through applications of integrated knowledge, disciplines and theories.
- To inculcate positive values, and attitudes and provide operational and strategic cyber security skills so that the graduates can work in any organisation and serve the Nation.
- To equip graduates with an integrated knowledge and demonstrate the ability to perform as IT professionals and will be prepared for continued learning throughout their careers.
- To produce graduates with the capability of providing cyber security services in the field of computer security to society as well as national computing needs



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
- Educators

Application open all year round



✓ Entry Requirement

A bachelor's degree in Computing or in the field 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 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's and master's degree obtained from Malaysian-based academic institutions.



✓ Duration of Study

	Min	Max
Full Time	1 year	4 years
Part Time	2 years	6 years

✓ Study Fee

	Malaysian	International
Full Time	RM 15,315.00	RM 24,072.00
Part Time	RM 15,915.00	RM 25,205.00

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

✓ Structure of Study

The candidate must complete 41 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.s-

Components	Modules	Credit
Core	Information Risk Management and Governance	3
	Cryptosystems and Data Protection	3
	Industrial Espionage and Counterfeiting	3
	Leading Change	3
	Digital Forensics, Evidence and Intelligence	3
	Security Architecture and Network Defence	3
	Research Methodology	2
	Elective (4 modules only)	Big Data Analytics
Ethical Hacking		3
Introduction to Cyber Security		3
Introduction to Information and Electronic Warfare		3
Project Planning Management and Control		3
Global E-Business		3
Financial Analysis and Decision Making		3
Business Strategy and Strategic Management		3
Research	Project Dissertation I	3
	Project Dissertation 2	6
Total Credit Hours		41

✓ 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:

