## M1220 Master of Information Technology (Cyber Security & Networking)

Academic Chair: Dr Mohammed Kaosar Start Date: Semester 2 2025

**Email:** pg.cybernetworks@murdoch.edu.au

	Semester 1 Units	СР	Semester 2 Units	СР
Year 1 – 2025			ICT521 IT Professional Practice	3
			ICT581 Information Systems Principles and Practice	3
			ICT582 Python Programming Principles and Practice	3
			ICT583 Data Science Applications	3
	Winter Units	СР	Summer Units	СР
	Total		Total	12
Year 2 - 2026	Semester 1 Units	СР	Semester 2 Units	СР
	ICT502 Applied Information Security  Management	3	ICT519 Computer Security	3
	ICT508 Information Technology Project Management	3	ICT535 Scalable Network Design	3
	ICT546 Local Area Network Design and Implementation	3	ICT603 Wireless Data Communications	3
Year	ICT615 Information Technology Research Methods	3	ICT604 Security Architectures and Systems Administration	3
	Winter Units	СР	Summer Units	СР
	Total	12	Total	12
Year 3 - 2027	Semester 1 Units	CP	Semester 2 Units	СР
	ICT600 Cyber Forensics and Incident Response	3		
	ICT607 Artificial Intelligence for Cyber Security	3		
	ICT620 IT Capstone Project	3		
۳.	Specified Elective	3		
Yea	Winter Units	СР	Summer Units	СР
	Total	12	Total	

## **TOTAL CREDIT POINTS** 48

Semester 1 notes	Semester 2 notes
Specified electives [note normal pre-requisites apply] ICT612 (S1) – 3 CP	Specified electives [note normal pre-requisites apply] ICT601 (S2) – 3 CP
ICT619 (S1) – 3 CP ICT631 (S1) – 3 CP	ICT616 (S2) – 3 CP ICT622 (S2) – 3 CP
SIK502 (S1/S2) – 3 CP	SIK502 (S1/S2) – 3 CP

<sup>\*</sup> Students interested in enrolling in a Work Integrated Learning (WIL) unit must discuss any internship placement opportunity they have secured with the Academic Chair. Approval is required to determine the suitability of the placement and whether enrolment in ICT686 (6 CP) or ICT687 (12 CP) is appropriate, including any necessary course variations.

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the <u>Handbook</u>. Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 1/05/25.

