M1220 Master of Information Technology (Cyber Security & Networking)

Academic Chair: Dr Mohammed Kaosar   **Start Date:** Semester 1 2026

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

TOTAL CREDIT POINTS	**48**

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

* 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 that the WIL unit is strictly reserved for genuine internship opportunities (face-to-face and within a local setting) that must be directly aligned with the student's area of specialisation.

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 Handbook. 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 17/10/2025.