M1220 Master of Information Technology (Cyber Security & Networking)

Academic Chair: Dr Mohammed Kaosar **Start Date:** Semester 1 2027

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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. Please note that the WIL unit (ICT686 (6 CP) / ICT687 (12 CP)) 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.

** MJ-ICSND Cyber Security and Networking (with Dissertation): Students enrolled in MJ-ICSN may be eligible to transfer to MJ-ICSND after successfully completing their first two semesters, provided they have achieved a minimum GPA of 2.5/4.0 and meet the dissertation eligibility requirements, including securing supervision from an academic staff member in the School of Information Technology. Students wishing to transfer must contact the Academic Chair after the release of their second-semester results for advice on the transfer and enrolment, as dissertation focus unit ICT678 IT Research Dissertation (12 CP) is a year-long unit that commences in the third semester and concludes in the fourth semester. This change of major does not normally extend the standard duration of the course, and the enrolment will remain in the coursework program.

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 25/10/2026.