M1220 Master of Information Technology (Artificial Intelligence and Data Science)

Academic Chair: Dr Shikha Anirban **Start Date:** Semester 2 2026

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	Semester 1 Units	CP	Semester 2 Units	CP
Year 1 – 2026			**ICT521** IT Professional Practice	3
			ICT581 Information Systems Principles and Practice	3
			ICT582 Python Programming Principles and Practice	3
			ICT515 Foundations of Data Science	3
	Winter Units		**Summer Units**	
	Total		**Total**	12
Year 2 - 2027	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	ICT502 Applied Information Security Management	3	ICT513 Data Analytics	3
	ICT508 Information Technology Project Management	3	ICT601 Business Analytics	3
	ICT583 Data Science Applications	3	ICT605 Interactive Data Visualisation and Simulation	3
	ICT615 Information Technology Research Methods	3	ICT616 Data Resources Management	3
	Winter Units		**Summer Units**	
	Total	12	**Total**	12
Year 3 - 2028	**Semester 1 Units**	**CP**	**Semester 2 Units**	**CP**
	ICT606 Machine Learning	3		
	ICT619 Artificial Intelligence	3		
	ICT620 IT Capstone Project	3		
	Specified Elective	3		
	Winter Units		**Summer Units**	
	Total	12	**Total**	

TOTAL CREDIT POINTS 48

Semester 1 notes	Semester 2 notes
Specified electives [note normal pre-requisites apply] ICT612 (S1) – 3 CP ICT631 (S1) – 3 CP ICT607 (S1) – 3 CP MBS659 (T1 or T2)^ – 3 CP SIK502 (S1/S2) – 3 CP	Specified electives [note normal pre-requisites apply] ICT501 (S2) – 3 CP ICT505 (S2) – 3 CP ICT622 (S2) – 3 CP MBS659 (T2 or T3)^ – 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 check the Handbook for the Trimester of offering.

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 6/08/26.