

62510 Master of Information Technology

1.5 Year Course Study Plan – Commencing Semester 1, 2021

Year 1				
Semester 1, 2021	CITS4401 Software Requirements and Design	CITS4407 Open Source Tools and Scripting	CITS5501 Software Testing and Quality Assurance <i>Prereq: 12 points of programming-based units*</i>	CITS5505 Agile Web Development <i>Prereq: 6 points of programming-based units* and familiarity with CITS1402 and CITS1401</i>
Semester 2, 2021	CITS5206 Professional Computing <i>Prereq: 24 points of L4/L5 units*</i>	CITS5503 Cloud Computing <i>Prereq: 12 points of programming-based units*</i>	CITS5506 The Internet of Things <i>Prereq: 6 points of programming-based units*</i>	OPTION
Year 1.5				
Semester 1, 2022	GENG5505* Project Management and Engineering Practice <i>Prereq: ENSC1001 or ENSC1003</i>	OPTION Note: MGMT5504 Data Analysis and Decision Making is recommended	OPTION	OPTION

* unit is available in Semester 1 and Semester 2; *programming-based units are: CITS1001 Software Engineering with Java; CITS1401 Computational Thinking with Python; CITS2002 Systems Programming and CITS2200 Data Structures and Algorithms; CITS2401 Computer Analysis and Visualisation; CITS2402 Introduction to Data Science; CITS4009 Computational Data Analysis. Students enrolled in the Master of Information Technology already meet the required “12 points of programming-based units” prerequisite.

Optional Units: Students take units to the value of 24 points from this group:	
CITS4009 Computational Data Analysis (S2)	ENVT4411 Geographic Information Systems Applications (S1, S2)
CITS4403 Computational Modelling (S1) <i>Prereq: 6 points of programming-based units*</i>	GENG5507 Risk, Reliability and Safety (S1, S2) <i>Prereq: MATH1011 and MATH1012</i>
CITS4404 Artificial Intelligence and Adaptive Systems (NA 2021) <i>Prereq: 12 points of programming-based units*</i>	GENG5508 Robotics (S1) <i>Prereq: CITS1001 or CITS1401 or CIST2002 or CITS2401</i>
CITS5504 Data Warehousing (S1) <i>Prereq: CITS1402</i>	INMT5518 Models for Logistics, Operations and Services (S1)
CITS5507 High Performance Computing (S2) <i>Prereq: 12 points of programming-based units*</i>	INMT5526 Business Intelligence (S2)
CITS5508 Machine Learning (S1) <i>Prereq: 12 points of programming-based units*</i>	MGMT5504 Data Analysis and Decision Making (S1, S2)

The Rules for the 62510 Master of Information Technology can be found at: handbooks.uwa.edu.au/rules-62510-MIT

All units have a value of six points unless otherwise stated.

Information about unit availability should be checked at the beginning of each semester and can be found at: timetable.uwa.edu.au or [Handbooks](#).

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Further Help!

Refer to the UniStart website for your step-by-step guide on planning your enrolment: uwa.edu.au/unistart. If you need to discuss your study plan further, please contact the EMS Student Service and Engagement Office: enquiries-ems@uwa.edu.au