

62510 Master of Information Technology

2 Year Course Study Plan – Commencing Semester 2, 2021

Students who have completed degree studies in a non-cognate area, or equivalent as recognised by the Faculty, must complete relevant conversion units up to the value of 24 points, as advised by the Faculty. MATH1721 is recommended for students who have a basic maths background (at the level of ATAR Mathematics Applications or equivalent) or who wish to refresh their mathematical knowledge. For students with ATAR Mathematics Methods or equivalent or higher, this unit is not required.

Year 1				
Semester 2, 2021	CITS1401* Computational Thinking with Python Note: Conversion Unit	CITS1001* Software Engineering with Java Note: Conversion Unit	CITS1402 Relational Database Management Systems Note: Conversion Unit	CITS4009 Computational Data Analysis Note: Recommended Group A Option
Semester 1, 2022	CITS5505 Agile Web Development Prereq: 6 points of programming-based units* and familiarity with CITS1402 and CITS1401	MATH1721* Mathematics Foundations: Methods Note: Conversion Unit	CITS4407 Open Source Tools and Scripting	OPTION
Year 2				
Semester 2, 2022	CITS5503 Cloud Computing Prereq: 12 points of programming-based units*	CITS5206 Professional Computing Prereq: 24 points of L4/L5 units*	OPTION	CITS5506 The Internet of Things Prereq: 6 points of programming-based units*
Semester 1, 2023	CITS5501 Software Testing and Quality Assurance Prereq: 12 points of programming-based units*	MGMT5504* Data Analysis and Decision Making Note: Recommended Group B Option	GENG5505* Project Management and Engineering Practice Prereq: ENSC1001 or ENSC1003	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 62510 Master of Information Technology already meet the required “12 points of programming-based units” prerequisite.

Optional Group A Students take units to the value of 18 points from this group	Optional Group B Students take units to the value of 12 points from this group
CITS4009 Computational Data Analysis (S2)	ENVT4411 Geographic Information Systems Applications (S1, S2)
CITS4401 Software Requirements and Design (S1)	GENG5507 Risk, Reliability and Safety (S1, S2) Prereq: MATH1011 and MATH1012
CITS4403 Computational Modelling (S1) Prereq: 6 points of programming-based units*	GENG5508 Robotics (S1) Prereq: CITS1001 or CITS1401 or CIST2002 or CITS2401
CITS4404 Artificial Intelligence and Adaptive Systems (S2) Prereq: 12 points of programming-based units*	INMT5518 Models for Logistics, Operations and Services (S1)
CITS5504 Data Warehousing (S1) Prereq: CITS1402	INMT5526 Business Intelligence (S2)
CITS5507 High Performance Computing (S2) Prereq: 12 points of programming-based units*	MGMT5504 Data Analysis and Decision Making (S1, S2)

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CITS5508 Machine Learning (S1)	
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*Prereq: 12 points of programming-based units**

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](#).

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

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