

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

Year 1				
Semester 2, 2021	CITS1402 Relational Database Management Systems <i>Note: Conversion Unit</i>	CITS1003 Introduction to Cybersecurity <i>Note: Conversion Unit</i>	CITS1401* Computational Thinking with Python <i>Note: Conversion Unit</i>	OPTION ~ or ~ MATH1721* Mathematics Foundations: Methods
Semester 1, 2022	CITS1001* Software Engineering with Java <i>Note: Conversion Unit</i>	CITS4401 Software Requirements and Design	CITS4407 Open Source Tools and Scripting	OPTION
Year 2				
Semester 2, 2022	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
Semester 1, 2023	CITS5501 Software Testing and Quality Assurance <i>Prereq: 12 points of programming-based units*</i>	GENG5505* Project Management and Engineering Practice <i>Prereq: ENSC1001 or ENSC1003</i>	CITS5505 Agile Web Development <i>Prereq: 6 points of programming-based units* and familiarity with CITS1402 and CITS1401</i>	OPTION <i>Note: MGMT5504 Data Analysis and Decision Making is recommended</i>

* 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

62510 Master of Information Technology

2 Year Course Study Plan – Commencing Semester 2, 2021

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