

# 62510 Master of Information Technology

## 1.5 Year Course Study Plan – Commencing Semester 2, 2021

Year 1				
Semester 2, 2021	<b>OPTION</b>	<b>CITS5506</b> The Internet of Things <i>Prereq: 6 points of programming-based units*</i>	<b>OPTION</b>	<b>CITS4009</b> Computational Data Analysis <b>Note: Recommended Group A Option</b>
Semester 1, 2022	<b>CITS5501</b> Software Testing and Quality Assurance <i>Prereq: 12 points of programming-based units*</i>	<b>MGMT5504*</b> Data Analysis and Decision Making <b>Note: Recommended Group B Option</b>	<b>CITS5505</b> Agile Web Development <i>Prereq: 6 points of programming-based units* and familiarity with CITS1402 and CITS1401</i>	<b>CITS4407</b> Open Source Tools and Scripting
Year 1.5				
Semester 2, 2022	<b>GENG5505*</b> Project Management and Engineering Practice <i>Prereq: ENSC1001 or ENSC1003</i>	<b>OPTION</b>	<b>CITS5206</b> Professional Computing <i>Prereq: 24 points of L4/L5 units*</i>	<b>CITS5503</b> Cloud Computing <i>Prereq: 12 points of programming-based units*</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 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
<b>CITS4009</b> Computational Data Analysis (S2)	<b>ENVT4411</b> Geographic Information Systems Applications (S1, S2)
<b>CITS4401</b> Software Requirements and Design (S1)	<b>GENG5507</b> Risk, Reliability and Safety (S1, S2) <i>Prereq: MATH1011 and MATH1012</i>
<b>CITS4403</b> Computational Modelling (S1) <i>Prereq: 6 points of programming-based units*</i>	<b>GENG5508</b> Robotics (S1) <i>Prereq: CITS1001 or CITS1401 or CIST2002 or CITS2401</i>
<b>CITS4404</b> Artificial Intelligence and Adaptive Systems (S2) <i>Prereq: 12 points of programming-based units*</i>	<b>INMT5518</b> Models for Logistics, Operations and Services (S1)
<b>CITS5504</b> Data Warehousing (S1) <i>Prereq: CITS1402</i>	<b>INMT5526</b> Business Intelligence (S2)
<b>CITS5507</b> High Performance Computing (S2) <i>Prereq: 12 points of programming-based units*</i>	<b>MGMT5504</b> Data Analysis and Decision Making (S1, S2)
<b>CITS5508</b> Machine Learning (S1) <i>Prereq: 12 points of programming-based units*</i>	

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

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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](http://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](http://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](mailto:enquiries-ems@uwa.edu.au)

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