**Course:** [62510 Master of Information Technology](https://handbooks.uwa.edu.au/coursedetails?id=c403&course-overview)

**Course Study Plan:** 2 Year Study Plan (96 Points) for Students Commencing Semester 1

# Specialisation: Nil

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 determined by the School upon offer of admission and by the scope of a student’s prior study. Students who do not require all four conversion units may apply for special approval to enrol into MATH1721 Mathematics Foundations: Methods. This unit is advisable prior study for some MIT electives.

The following plan is for students requiring the maximum of four conversion units.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| YEAR 1 | SEM 1 | C CITS1401\*Computational Thinking with Python*Prereq: Maths Applications ATAR**or MATH1720* | C CITS1003Introduction to Cybersecurity*Prereq: Nil* | C CITS4407Open Source Tools and Scripting*Prereq: Nil* | O OPTION |
| SEM 2 | C CITS1402Relational Database Management System*Prereq: Maths Applications ATAR**or MATH1720* | C CITS5506The Internet of Things*Prereq: 6 points of programming- based units†* | C GENG5505\*Project Management and Engineering Practice*Prereq: ENSC1001 or ENSC1003* | O OPTION |
| YEAR 2 | SEM 1 | C CITS5501Software Testing and Quality Assurance*Prereq: 12 points of**programming-based units†* | C CITS5505Agile Web Development*Prereq: 6 points of programming- based units†* | C CITS4401Software Requirements and Design*Prereq: CITS1001* | C CITS2005Object Oreintaed Programming*Prereq: MATH1721 and CITS1401* |
| SEM 2 | C CITS5206Information technology capstone project*Prereq: 24 points of L4/L5 units* | C CITS5503Cloud Computing*Prereq: 12 points of programming-based units†* | O OPTION | O OPTION |

Key: C Conversion unit C Core unit b Bridging unit O Optional unit

Take units to the value of 24 points from this group:

|  |  |  |  |
| --- | --- | --- | --- |
| O AUTO4508 (S1)Mobile Robots*Prereq: CITS1001 or CITS1401 or CITS2002 or CITS2401* | O CITS4009 (S2)Computational Data Analysis*Prereq: Nil* | O CITS4012 (S1)Natural Language Processing*Prereq: 12 points of programming-based units* | O CITS4403 (S1)Computational Modelling*Prereq: Nil* |
| O CITS4404 (S2) | O CITS5504 (S1)Data Warehousing*Prereq: CITS1402* | O CITS5507 (S2)High Performance Computing*Prereq: 12 points of programming-based units†* | O CITS5508 (S1)Machine Learning*Prereq: 12 points of programming-based units†* |
| Artificial Intelligence and |
| Adaptive Systems |
| *Prereq: 12 points of programming-based* |
| *units†* |
| O ENVT4411\* | O GENG5507\*Risk, reliability and Safety*Prereq: MATH1011 & MATH1012* | O INMT5518 (S1)Supply Chain Analytics*Prereq: Nil* | O INMT5526 (S2)Business Intelligence*Prereq: INMT5518 or BUSN5002 or BUSN5101* |
| Geographic Information |
| System Applications |
| *Prereq: Nil* |
| O MGMT5504 \*Data Analysis and Decision Making*Prereq: Nil* |  |  |  |

\* This unit is available in semester 1, semester 2.

† Programming-based units are: CITS1001 Software Engineering with Java; CITS1401 Computational Thinking with Python; CITS2002 Systems Programming; CITS2005 Object Orientated Programming; CITS2200 Data Structures and Algorithms; CITS2401 Computer Analysis and Visualisation; CITS2402 Introduction to Data Science; and CITS4009 Computational Data Analysis

The course rules for the 62510 Master of Information Technology can be found at [uwa.edu.au/MIT-rules.](https://handbooks.uwa.edu.au/coursedetails?id=c403&rules) Information about unit availability should be checked at the beginning of each semester, details can be found at [UWA Timetable](https://www.uwa.edu.au/students/My-course/timetable) or [UWA Handbook.](https://handbooks.uwa.edu.au/majordetails?code=MJD-PHYSC)

This study plan is an example of a full-time load of four units per semester.

**Further Help!**

Refer to the [UniStart](https://www.uwa.edu.au/unistart) website for your step-by-step guide on planning your enrolment. If you need to discuss your study plan further, please contact the EMS Student Services Office asking a question at [askUWA,](https://ipoint.uwa.edu.au/) or drop in to the EMS Student Office, located in the [EZONE North Building.](https://www.web.uwa.edu.au/contact/map?id=1869)

*Information in this study plan is correct as of 31 August 2021 but is subject to change from time to time. In particular, the University reserves the right to change the unit availability and unit rules. Page 1 of 1*