

Master of Computer & Information Sciences

Recommended Study Plan 2025

Course Code	Course Name	Semester	Points	Notes
ENGE817	STEM Research Methods	1 & 2	15	This is the core course. It runs in both Semester 1 & 2. If you take this in Semester 1, you do not have to take it again.

Elective Choices for 2025

Below are the current electives for 2025, and they may differ from what is available in 2026. This timetable is subject to change, and courses with insufficient enrolments or limited resources may be cancelled. Please note, Semester 2 2025 electives are not yet confirmed.

Course Code	Course Name	Semester	Points	Notes
COMP809	Data Mining and Machine Learning	1	15	
COMP814	Text Mining	1	15	
COMP820	Video and Image Processing	1	15	
COMP821	Information Security	1	15	
COMP822	Human and Computer Interaction	1	15	
COMP828	Statistical Programming for Data Science	1	15	
COMP831	Cybercrime and Cybersecurity	1	15	
COMP838	Deep Learning	1	15	
ENSE803	Formal Specification and Design	1	15	
INFS803	Cloud Computing	1	15	
COMP800	Neuroinformatics	2	15	
COMP806	Software Architecture	2	15	
COMP810	Data Warehousing and Big Data	2	15	
COMP813	Artificial Intelligence	2	15	
COMP816	Advanced Internet of Things & Applications	2	15	
COMP815	Nature Inspired Computing	2	15	
COMP825	Special Topic B	2	15	
COMP826	Mobile Systems Development	2	15	
COMP842	Applied Blockchains and Cryptocurrencies	2	15	
INFS813	Information Technology and Strategy	2	15	

You are also permitted to take up to 30 points of electives from other CMS programmes. The enrolment limit is 1 course per semester, and these are *subject to approval*:

Note: Timetable may be subject to change and courses with insufficient enrolments may be cancelled.

Course Code	Course Name	Semester	Points1	Notes
COMP833	Network Security and Forensics	1	15	<i>This is a core course for MCSDF</i>
ENSE880	Agile Information Technology Project Management	1	15	<i>This is a core course for MITPM</i>
ENSE882	Team Facilitation for IT Projects	1	15	<i>This is a core course for MITPM</i>
ENSE883	IT Project Portfolios in Organisations	1	15	<i>This is a core course for MITPM</i>
COMP830	Cryptography and Cryptanalysis	2	15	<i>This is an elective for MCSDF</i>
COMP832	Digital Forensics Tools and Techniques	2	15	<i>This is a core course for MCSDF</i>
ENGE811	Robotic Vision	2	30	<i>This is 30pts, meaning you cannot take any other elective outside your course.</i>
ENSE881	Digital Transformation and Change Management	2	15	<i>This is a core course for MITPM</i>

Dissertation/Thesis

As mentioned earlier, depending on which route you take, you will have 3 options. This must be decided at the end of Semester 1:

Course Code	Course Name	Semester	Points1	Notes
COMP971	Dissertation	3	60	<i>After completing 120 points of courses including ENGE817, subject to minimum grade and school approval of RP1 form</i>
COMP998	Thesis	2 & 3	90	<i>After completing 90 points of courses including ENGE817, subject to minimum grade and school approval of PGR1. A further 30 points of courses are completed while undertaking the first 30 points of the thesis</i>
COMP989	Thesis	2 & 3	120	<i>After completing 60 points of courses including ENGE817, subject to minimum grade and school approval of PGR1 form</i>

For students completing the research proposal forms RP1 or PGR1, you must have agreement from a supervisor to supervise you during your research. You may ask any lecturer in your chosen topic area to be your supervisor, but lecturers are not always available to supervise, so you must organise a supervisor before the semester begins. The student is responsible for fully and accurately completing the appropriate research proposal form. Your supervisor can assist with refining your research topic and will sign the research proposal form once completed and checked for appropriate research and accuracy. The form should then be signed by the student and submitted to the Programme

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Advisor. If the form is completed correctly and the research is deemed appropriate in topic and scale for the MCIS, the form will be signed by the Programme Advisor.

Only the Postgraduate Coordinator can enrol students in the Dissertation or Thesis, and this will only occur after the form has had final approval and sign-off.

Contact Us

ADMIN QUESTIONS/ISSUES

For enrolment and administration questions, please contact the Postgraduate Coordinator on cmspg@aut.ac.nz

ACADEMIC QUESTIONS/ISSUES

For Academic Issues please contact the Programme Advisor, **Ji Ruan**, on ji.ruan@aut.ac.nz