Engineering
Advanced Computer Science (Honours) (3779)
Artificial Intelligence (COMPIH)
T2 Entry 2025 Sample Plan

Year 1

Term	Courses
Term 2	**COMP1511** Programming Fundamentals
	Computing Elective
Term 3	**MATH1141** (Higher) Mathematics 1A
	COMP1531 Software Engineering Fundamentals
	COMP2521 Data Structures and Algorithms
Term 1	**COMP1521** Computer Systems Fundamentals
	MATH1081 Discrete Mathematics
	MATH1241 (Higher) Mathematics 1B

Year 2

Term	Courses
Term 2	**COMP2511** Object-Oriented Design & Programming
	Free Elective
	Free Elective
Term 3	**General Education Course**
	Computing Elective
	Computing Elective
Term 1	**Computing Elective**
	Free Elective

Year 3

Term	Courses
Term 2	**Free Elective**
	Free Elective
	General Education Course
Term 3	**COMP3821** Extended Algorithm Design and Analysis
	Free Elective
Term 1	**COMP4920** Professional Issues and Ethics in Information Technology
	COMP3411 Artificial Intelligence
	COMP3900 Computer Science Project

Year 4

Term	Courses
Term 2	**COMP4961** Computer Science Thesis A
	Artificial Intelligence Elective
	Advanced Computing Elective
Term 3	**COMP4962** Computer Science Thesis B
	Artificial Intelligence Elective
	Advanced Computing Elective
Term 1	**COMP4963** Computer Science Thesis C
	Artificial Intelligence Elective

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

All Level 1 and Level 2 courses are offered in each standard term and free electives can be taken in any term. If Level 1 or Level 2 core courses are full, students may take free electives first and take core courses in later terms.

COMP1511 is expected to be completed by the end of Term 2 Year 1. Students don't need to take COMP1521, COMP1531 and COMP2521 in sequence.

Most Computing Electives require completion of COMP2521, students are recommended to complete COMP2521 in the first year of study if possible.

*Students who completed COMP1531 and COMP2521 can take COMP2511 in Term 1 Year 2.

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	Year 1
Term 3	**COMP1511** Programming Fundamentals
	MATH1141 (Higher) Mathematics 1A
	MATH1081 Discrete Mathematics
Term 1	**MATH1241** (Higher) Mathematics 1B
	COMP1531 Software Engineering Fundamentals
	COMP2521 Data Structures and Algorithms
Term 2	**COMP1521** Computer Systems Fundamentals
	Computing Elective

	Year 2
Term 3	**COMP2511** Object-Oriented Design & Programming
	Free Elective
	General Education Course
Term 1	**Computing Elective**
	Computing Elective
	Free Elective
Term 2	**Computing Elective**
	Free Elective

	Year 3
Term 3	**COMP4920** Professional Issues and Ethics in Information Technology
	Free Elective
	Free Elective
Term 1	**COMP3821** Extended Algorithm Design and Analysis
	COMP3411 Artificial Intelligence
	General Education Course
Term 2	**COMP3900** Computer Science Project
	Free Elective

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