

Advanced Computer Science (Honours) (3779)

Computer Science (COMPCH)

T1 Entry 2025 Sample Plan

Year 1		Year 2		Year 3		Year 4	
Term 1	COMP1511 Programming Fundamentals	Term 1	COMP2511 Object-Oriented Design & Programming	Term 1	COMP3821 Extended Algorithm Design and Analysis	Term 1	COMP4961 Computer Science Thesis A
	MATH1141 (Higher) Mathematics 1A		Free Elective		Free Elective		Advanced Computing Elective
	Free Elective		Computing Elective		Free Elective		Advanced Computing Elective
Term 2	MATH1241 (Higher) Mathematics 1B	Term 2	General Education Course	Term 2	Free Elective	Term 2	COMP4962 Computer Science Thesis B
	COMP1521 Computer Systems Fundamentals		Computing Elective		General Education Course		Advanced Computing Elective
	COMP1531 Software Engineering Fundamentals						Advanced Computing Elective
Term 3	COMP2521 Data Structures and Algorithms	Term 3	Computing Elective	Term 3	COMP3900 Computer Science Project	Term 3	COMP4963 Computer Science Thesis C
	MATH1081 Discrete Mathematics		Computing Elective		COMP4920 Professional Issues and Ethics in Information Technology		Advanced Computing Elective
			Free Elective		Computing 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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T2 Entry 2025 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2511 Object-Oriented Design & Programming	Term 2	Free Elective	Term 2	COMP4961 Computer Science Thesis A
	Free Elective		Free Elective		Free Elective		Advanced Computing Elective
Term 3	MATH1141 (Higher) Mathematics 1A	Term 3	Computing Elective	Term 3	General Education Course	Term 3	Advanced Computing Elective
	COMP1521 Computer Systems Fundamentals		General Education Course		Professional Issues and Ethics in Information Technology		COMP4962 Computer Science Thesis B
	COMP1531 Software Engineering Fundamentals		Computing Elective		Computing Elective		Advanced Computing Elective
Term 1	COMP2521 Data Structures and Algorithms	Term 1	Free Elective	Term 1	Free Elective	Term 1	Advanced Computing Elective
	MATH1081 Discrete Mathematics		Computing Elective		COMP3900 Computer Science Project		COMP4963 Computer Science Thesis C
	MATH1241 (Higher) Mathematics 1B		Computing Elective		COMP3821 Extended Algorithm Design and Analysis		Advanced Computing Elective

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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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T3 Entry 2025 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	COMP1511 Programming Fundamentals	Term 3	COMP2511 Object-Oriented Design & Programming	Term 3	COMP4920 Professional Issues and Ethics in Information Technology	Term 3	COMP4961 Computer Science Thesis A
	MATH1141 (Higher) Mathematics 1A		Free Elective		Free Elective		Advanced Computing Elective
	MATH1081 Discrete Mathematics		General Education Course		Computing Elective		Advanced Computing Elective
Term 1	MATH1241 (Higher) Mathematics 1B	Term 1	Computing Elective	Term 1	COMP3821 Extended Algorithm Design and Analysis	Term 1	COMP4962 Computer Science Thesis B
	COMP1521 Computer Systems Fundamentals		Computing Elective		Computing Elective		Advanced Computing Elective
	COMP1531 Software Engineering Fundamentals		Free Elective		General Education Course		Advanced Computing Elective
Term 2	COMP2521 Data Structures and Algorithms	Term 2	Computing Elective	Term 2	COMP3900 Computer Science Project	Term 2	COMP4963 Computer Science Thesis C
	Free Elective		Free Elective		Free Elective		Advanced Computing 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.