

Bachelor of Computer Science / Arts (3783)

Embedded Systems (COMPS1)

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	COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis	Term 1	Arts Course
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A		Computing Elective		Arts Course		Arts Course
	MATH1081 Discrete Mathematics		Embedded Systems Prescribed Elective		Arts Course		Embedded Systems Prescribed Elective
Term 2	MATH1231 Mathematics 1B <u>OR</u> MATH1241 (Higher) Mathematics 1B	Term 2	Arts Course	Term 2	COMP3900 Computer Science Project	Term 2	Arts Course
	COMP1521 Computer Systems Fundamentals		Arts Course		Arts Course		Arts Course
	COMP1531 Software Engineering Fundamentals				Arts Course		
Term 3	COMP2521 Data Structures and Algorithms	Term 3	Arts Course	Term 3	COMP3222 Digital Circuits and Systems	Term 3	COMP4920 Professional Issues and Ethics in Information Technology
	Arts Course		Arts Course		Arts Course		Arts Course
			Embedded Systems Prescribed Elective				Arts Course

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. 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.
	Please visit the ADA Sample programs website for specific advice regarding your chosen arts specialisation.

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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	Arts Course	Term 2	Arts Course
	Arts Course		Arts Course		Arts Course		Arts Course
			Arts Course		Computing Elective		Embedded Systems Prescribed Elective
Term 3	MATH1131 Mathematics 1A OR MATH1141 (Higher) Mathematics 1A	Term 3	Arts Course	Term 3	COMP3222 Digital Circuits and Systems	Term 3	Arts Course
	COMP1531 Software Engineering Fundamentals		Arts Course		Arts Course		Arts Course
	COMP1521 Computer Systems Fundamentals				Embedded Systems Prescribed Elective		Embedded Systems Prescribed Elective
Term 1	COMP2521 Data Structures and Algorithms	Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 1	COMP3900 Computer Science Project	Term 1	COMP4920 Professional Issues and Ethics in Information Technology
	MATH1081 Discrete Mathematics		Arts Course		Arts Course		Arts Course
	MATH1231 Mathematics 1B OR MATH1241 (Higher) Mathematics 1B		Arts Course				

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	<p>All Level 1 and Level 2 courses are offered in each standard term. 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.</p>
	<p>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.</p> <p>Please visit the ADA Sample programs website for specific advice regarding your chosen arts specialisation.</p>

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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	COMP3222 Digital Circuits and Systems	Term 3	COMP4920 Professional Issues and Ethics in Information Technology
	MATH1131 Mathematics 1A OR MATH1141 (Higher) Mathematics 1A		Arts Course		Arts Course		Arts Course
	MATH1081 Discrete Mathematics		Arts Course		Computing Elective		Arts Course
Term 1	MATH1231 Mathematics 1B OR MATH1241 (Higher) Mathematics 1B	Term 1	Arts Course	Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 1	Arts Course
	COMP1531 Software Engineering Fundamentals		Arts Course		Arts Course		Arts Course
	COMP1521 Computer Systems Fundamentals		Embedded Systems Prescribed Elective		Arts Course		Embedded Systems Prescribed Elective
Term 2	COMP2521 Data Structures and Algorithms	Term 2	Arts Course	Term 2	COMP3900 Computer Science Project	Term 2	Arts Course
	Arts Course		Arts Course		Embedded Systems Prescribed Elective		Arts Course

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	All Level 1 and Level 2 courses are offered in each standard term. 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.
	Please visit the ADA Sample programs website for specific advice regarding your chosen arts specialisation.