## Bachelor of Science / Computer Science (3789) Computer Science (COMPA1) / Statistics (MATHT1) T1 Entry 2025 Sample Plan

NOTES



Year 1		Year 2		Year 3		Year 4	
Term 1	COMP1511 Programming Fundamentals	Term 1	COMP2511 Object-Oriented Design & Programming	Term 1	MATH3801 Probability & Stochastic Processes <u>OR</u> MATH3901 Higher Probability & Stochastic Processes	Term 1	MATH3811 Statistical Inference <u>OR</u> MATH3911 Higher Statistical Inference
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A		MATH2011 Several Variable Calculus <u>OR</u> MATH2111 Higher Several Variable Calculus		Science Elective		COMP4920 Professional Issues and Ethics in Information Technology
	MATH1081 Discrete Mathematics		Science Elective		Computing Elective		Computing Elective
	SCIF0000 (0 UoC) Introduction to University		MATH2501 Linear Algebra <u>OR</u>	Term 2	MATH3821	Term 2	*MATH3831 Stats in Social & Market Resch OR MATH3841 Stats of Dependent
Term 2	MATH1231 Mathematics 1B OR		MATH2601 Higher Linear Algebra		Stat Modelling & Computing		Data
	MATH1241 (Higher) Mathematics 1B	Term	MATH2801 Theory of Statistics OR		Employability Experience Course		Employability Experience Course
	COMP1521 Computer Systems Fundamentals	2	MATH2901 Higher Theory of Statistics				P. 2. 1. 2. P. 1. 1. 1.
	COMP1531 Software Engineering Fundamentals		Science Elective		Computing Elective		Computing Elective
Term 3	COMP2521	Term	MATH2831 Linear Models <u>OR</u> MATH2931 Higher Linear Models	Term 3	Computing Elective	Term 3	COMP3900 Computer Science Project
	Data Structures and Algorithms		SCIF1000				COMP3121 Algorithm Design and Analysis
	Science Elective	3	SciF1000 Skills in Science		Science Elective		OR COMP3821 Extended Algorithm Design and Analysis
							SCIF3010 (0 UoC) Graduation Portfolio

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

Information is correct as of October 2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

## Bachelor of Science / Computer Science (3789) Computer Science (COMPA1) / Statistics (MATHT1) 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	MATH2501 Linear Algebra <u>OR</u> MATH2601 Higher Linear Algebra	Term 2	MATH3821 Stat Modelling & Computing
	Computing Elective		Science Elective		MATH2801 Theory of Statistics <u>OR</u> MATH2901 Higher Theory of Statistics		* <b>MATH3831</b> Stats in Social & Market Resch <u>OR</u> <b>MATH3841</b> Stats of Dependent Data
	SCIF0000 (0 UoC) Introduction to University				Employability Experience Course		Employability Experience Course
Term 3	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A	Term 3	Science Elective	Term 3	MATH2831 Linear Models <u>OR</u> MATH2931 Higher Linear Models	Term 3	COMP4920 Professional Issues and Ethics in Information Technology
	COMP2521 Data Structures and Algorithms		Computing Elective		Science Elective		Computing Elective
	COMP1531 Software Engineering Fundamentals		SCIF1000 Skills in Science		Computing Elective		Science Elective
Term 1	COMP1521 Computer Systems Fundamentals	Term 1	MATH2011 Several Variable Calculus <u>OR</u> MATH2111 Higher Several Variable Calculus	Term 1	MATH3801 Probability & Stochastic Processes <u>OR</u> MATH3901 Higher Probability & Stochastic Processes	Term 1	COMP3900 Computer Science Project
	MATH1081 Discrete Mathematics		Science Elective		MATH3811 Statistical Inference <u>OR</u> MATH3911 Higher Statistical Inference		COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 (Higher) Mathematics 1B		Computing Elective				SCIF3010 (0 UoC) Graduation Portfolio

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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.

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## Bachelor of Science / Computer Science (3789) Computer Science (COMPA1) / Statistics (MATHT1) T3 Entry 2025 Sample Plan

NOTES



Year 1		Year 2		Year 3		Year 4	
Term 3	COMP1511 Programming Fundamentals	Term 3	COMP2511 Object-Oriented Design & Programming	Term 3	MATH2831 Linear Models <u>OR</u> MATH2931 Higher Linear Models	Term 3	Science Elective
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A		SCIF1000 Skills in Science		Science Elective		Science Elective
	MATH1081 Discrete Mathematics		Science Elective		Employability Experience Course		Employability Experience Course
	SCIF0000 (0 UoC) Introduction to University	Term 1	MATH2011 Several Variable Calculus <u>OR</u> MATH2111 Higher Several Variable	Term 1	MATH3801 Probability & Stochastic Processes <u>OR</u> MATH3901 Higher Probability & Stochastic Processes	Term 1	COMP4920 Professional Issues and Ethics in Information Technology
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 (Higher) Mathematics 1B				Computing Elective		MATH3811 Statistical Inference OR
	COMP1531 Software Engineering Fundamentals		Computing Elective				MATH3911 Higher Statistical Inference
	COMP2521 Data Structures and Algorithms		Science Elective		Computing Elective		Computing Elective
Term 2	COMP1521 Computer Systems Fundamentals	Term 2	MATH2501 Linear Algebra <u>OR</u> MATH2601 Higher Linear Algebra	Term 2	MATH3821 Stat Modelling & Computing	Term 2	COMP3900 Computer Science Project
	Computing Elective		MATH2801 Theory of Statistics <u>OR</u> MATH2901 Higher Theory of Statistics		* <b>MATH3831</b> Stats in Social & Market Resch <u>OR</u> <b>MATH3841</b> Stats of Dependent Data		COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis
							<b>SCIF3010</b> (0 UoC) Graduation Portfolio

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