

Bachelor of Science / Computer Science (3789)

[Computer Science \(COMPA1\)](#) / [Bioinformatics \(BINFE1\)](#)

T1 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	COMP1511 Programming Fundamentals	Term 1	COMP2521 Object-Oriented Design & Programming	Term 1	BABS3121 Molecular Biology of Nucleic Acids <u>OR</u> BABS3291 Genes, Genomes and Evolution^	Term 1	COMP4920 Professional Issues and Ethics in Information Technology
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A		COMP2041 Software Construction: Techniques and Tools		Computing Elective		Employability Experience Course
	CHEM1011 Chemistry 1A: Atoms, Molecules and Energy <u>OR</u> CHEM1031 Higher Chemistry 1A: Atoms, Molecules and Energy				Employability Experience Course		Science Elective
	SCIF0000 (0 UoC) Introduction to University						
Term 2	MATH1231 Mathematics 1B <u>OR</u> MATH1241 (Higher) Mathematics 1B	Term 2	COMP2511 Object-Oriented Design & Programming	Term 2	BINF3020 Computational Bioinformatics	Term 2	Computing Elective
	COMP1521 Computer Systems Fundamentals		MATH2801 Theory of Statistics <u>OR</u> MATH2901 Higher Theory of Statistics		Science Elective		Computing Elective
	COMP1531 Software Engineering Fundamentals		BABS2202 Molecular Cell Biology 1 <u>OR</u> BIOC2101 Principles of Biochemistry (Advanced)*		Computing Elective		Science Elective
Term 3	BABS1201 Molecules, Cells and Genes	Term 3	BINF2010 Introduction to Bioinformatics	Term 3	BINF3020 Computational Bioinformatics	Term 3	Computing Elective
	MATH1081 Discrete Mathematics		BIOC2201 Principles of Molecular Biology (Advanced)		COMP3900 Computer Science Project		COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis
			SCIF1000 Skills in Science				SCIF3010 (0 UoC) Graduation Portfolio

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 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.

*^ Please see Handbook for all available course options and term offerings.

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T2 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2521 Data Structures and Algorithms	Term 2	BINF3010 Applied Bioinformatics	Term 2	Science Elective
	CHEM1011 Chemistry 1A: Atoms, Molecules and Energy		MATH2801 Theory of Statistics <u>OR</u> MATH2901 Higher Theory of Statistics		Science Elective		Computing Elective
	SCIF0000 (0 UoC) Introduction to University		BABS2202 Molecular Cell Biology 1 <u>OR</u> BIOC2101 Principles of Biochemistry (Advanced)*		Employability Experience Course		Employability Experience Course
Term 3	MATH1131 Mathematics 1A <u>OR</u> MATH1141 (Higher) Mathematics 1A	Term 3	BINF2010 Introduction to Bioinformatics	Term 3	BINF3020 Computational Bioinformatics	Term 3	COMP4920 Professional Issues and Ethics in Information Technology
	COMP1531 Software Engineering Fundamentals		BIOC2201 Principles of Molecular Biology (Advanced)		Computing Elective		Computing Elective
	BABS1201 Molecules, Cells and Genes		SCIF1000 Skills in Science		Computing Elective		Science Elective
Term 1	COMP1521 Computer Systems Fundamentals	Term 1	COMP2041 Software Construction: Techniques and Tools	Term 1	BABS3121 Molecular Biology of Nucleic Acids <u>OR</u> BABS3291 Genes, Genomes and Evolution^	Term 1	COMP3900 Computer Science Project
	MATH1081 Discrete Mathematics		COMP2511 Object-Oriented Design & Programming		Computing Elective		COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 (Higher) Mathematics 1B						SCIF3010 (0 UoC) Graduation Portfolio

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T3 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	COMP1511 Programming Fundamentals	Term 3	BINF2010 Introduction to Bioinformatics	Term 3	BINF3020 Computational Bioinformatics	Term 3	Science Elective
	MATH1131 Mathematics 1A OR MATH1141 (Higher) Mathematics 1A		BIOC2201 Principles of Molecular Biology (Advanced)		Science Elective		Computing Elective
	MATH1081 Discrete Mathematics		SCIF1000 Skills in Science		Employability Experience Course		Employability Experience Course
	SCIF0000 (0 UoC) Introduction to University	Term 1	COMP2521 Data Structures and Algorithms	Term 1	BABS3121 Molecular Biology of Nucleic Acids OR BABS3291 Genes, Genomes and Evolution [^]	Term 1	COMP4920 Professional Issues and Ethics in Information Technology
MATH1231 Mathematics 1B OR MATH1241 (Higher) Mathematics 1B	COMP2041 Software Construction: Techniques and Tools		Computing Elective		Computing Elective		
Term 1	COMP1531 Software Engineering Fundamentals	Term 2	MATH2801 Theory of Statistics OR MATH2901 Higher Theory of Statistics	Term 2	BINF3010 Applied Bioinformatics	Term 2	Science Elective
	BABS1201 Molecules, Cells and Genes						BABS2202 Molecular Cell Biology 1 OR BIOC2101 Principles of Biochemistry (Advanced)*
Term 2	COMP1521 Computer Systems Fundamentals	Term 2	COMP2511 Object-Oriented Design & Programming	Term 2	Computing Elective	Term 2	COMP3900 Computer Science Project
	CHEM1011 Chemistry 1A: Atoms, Molecules and Energy						COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis

NOTES

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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.