

# / Bioinformatics (BINFE1)

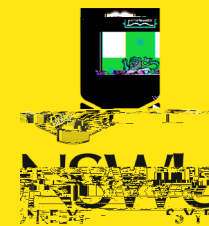
## T1 Entry 2025 Sample Plan

Year 1		Year 2		Year 3	
Term 1	<b>COMP1511</b> Programming Fundamentals	Term 1	<b>COMP2521</b> Object-Oriented Design & Programming	Term 1	<b>BABS3121</b> Molecular Biology of Nucleic Acids <u>OR</u> <b>BABS3291</b>
	<b>MATH1131</b> Mathematics 1A <u>OR</u>		<b>COMP2041</b> Software Construction: Techniques and Tools		
		Term 2	<b>COMP2511</b> Object-Oriented Design & Programming		
			<b>MATH2801</b> Theory of Statistics <u>OR</u> <b>MATH2901</b> Higher Theory of Statistics		
			<b>BABS2202</b> Molecular Cell Biology 1 <u>OR</u> <b>BIOC2101</b> Principles of Biochemistry (Advanced)*		
		Term 3	<b>BINF2010</b> Introduction to Bioinformatics		
			<b>BIOC2201</b> Principles of Molecular Biology (Advanced)		
			<b>SCIF1000</b> Skills in Science		

# Bachelor of Science / Computer Science (3789)

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

## T2 Entry 2025 Sample Plan



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

