

Engineering

Bachelor of Engineering (Honours) (3707)

[Bioinformatics Engineering \(BINFAH\)](#)

T1 Entry 2024 Sample Plan

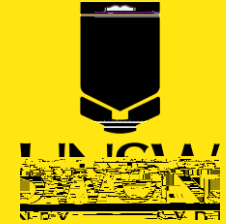


**NOTES**

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

**This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.**





Year 1		Year 2		Year 3		Year 4	
Term 3	<b>COMP1511</b> Programming Fundamentals	Term 3	<b>BIOC2201</b> Principles of Molecular Biology (Advanced)	Term 3	<b>COMP2511</b> Object-Oriented Design and Programming	Term 3	<b>COMP4951</b>
	<b>DESN1000</b> Engineering Design and Innovation		<b>MATH1081</b> Discrete Mathematics		<b>BINF3020</b> Computational Bioinformatics		
	<b>BABS1201</b> Molecules, Cells and Genes		<b>BINF2010</b> Introduction to Bioinformatics		<b>BABS2204</b> <u>OR</u> <b>BABS2264</b>		
Term 1	<b>MATH1131</b> Mathematics 1A <u>OR</u> <b>MATH1141</b> Higher Mathematics 1A	Term 1	<b>PHYS1111</b> Fundamentals of Physics <u>OR</u> <b>PHYS1121</b> Physics 1A <u>OR</u> <b>PHYS1131</b> Higher Physics 1A	Term 1	<b>BABS3121</b> Molecular Biology of Nucleic Acids		
	<b>COMP1531</b> Software Engineering Fundamentals		<b>COMP2521</b> Data Structures and Algorithms		<b>COMP3311</b> Database Systems		
	<b>CHEM1011</b> Chemistry 1A <u>OR</u> <b>CHEM1031</b> Higher Chemistry 1A				<b>Free Elective Course</b>		
Term 2	<b>MATH1231</b> Mathematics 1B <u>OR</u> <b>MATH1241</b> Higher Mathematics 1B	Term 2	<b>COMP2041</b> Software Construction: Techniques and Tools	Term 2	<b>COMP3121</b> Algorithms and Programming Techniques		
	<b>COMP1521</b> Computer Systems Fundamentals		<b>DESN2000</b> Engineering Design & Professional Practice		<b>MATH2801</b> Theory of Statistics <u>OR</u> <b>MATH2901</b> Higher Theory of Statistics		
			<b>BINF3010</b> Applied Bioinformatics				