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.**

Engineering

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