

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