

Bachelor of Engineering (Honours) / Computer Science (3785)

Aerospace Engineering (AEROAH) / Computer Science (COMPA1)
T1 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 1	COMP1511 Programming Fundamentals	Term 1	MATH2019 Engineering Mathematics 2E	Term 1	MATH2089 Numerical Methods and Statistics	Term 1	AERO3410 Aerospace Structures	Term 1	MMAN4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		COMP2521 Data Structures and Algorithms		MMAN2700 Thermodynamics		AERO3630 Aerodynamics		AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		ELEC1111 Electrical Circuit Fundamentals		MMAN3200 Linear Systems and Control		AERO3660 Flight Performance and Propulsion		Computing Elective
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 2	MMAN1130 Design and Manufacturing	Term 2	AERO3110 Aerospace Design 1	Term 2	Computing Elective	Term 2	MMAN4952 Research Thesis B
	COMP1531 Software Engineering Fundamentals		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		Computing Elective		Computing Elective
	COMP1521 Computer Systems Fundamentals								Disciplinary Elective
Term 3	DESN1000 Introduction to Engineering Design and Innovation	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	COMP3900 Computer Science Project	Term 3	AERO4110 Aerospace Design 2	Term 3	MMAN4953 Research Thesis C
	ENGG1300 Engineering Mechanics		DESN2000 Engineering Design and Professional Practice		COMP2511 Object-Oriented Design and Programming		COMP4920 Professional Issues and Ethics in Information Technology		Disciplinary Elective
			MMAN2300 Engineering Mechanics 2		COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis		Computing Elective		Disciplinary Elective

NOTES	<p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</p>
--------------	---

Information is correct as of 01.05.2024 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Bachelor of Engineering (Honours) / Computer Science (3785)Aerospace Engineering (AEROAH) / Computer Science (COMPA1)
T2 Entry 2024 Sample Plan

Year 1		Year 2		Year 3		Year 4		Year 5	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2521 Data Structures and Algorithms	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	MMAN3200 Linear Systems and Control	Term 2	MMAN4951 Research Thesis A
	MATH1131 ^① Mathematics 1A		ENGG2400 Mechanics of Solids 1		AERO3110 Aerospace Design 1		COMP2511 Object-Oriented Design and Programming		Computing Elective
	PHYS1121 Physics 1A QB PHYS1131 Higher Physics 1A		COMP1521 Computer Systems Fundamentals				DESN3000 Strategic Design Innovation		Disciplinary Elective
Term 3	MMAN1130 Design and Manufacturing	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	COMP3900 Computer Science Project	Term 3	AERO4110 Aerospace Design 2	Term 3	MMAN4952 Research Thesis B
	ENGG1300 Engineering Mechanics		ELEC1111 Electrical Circuit Fundamentals		COMP4920 Professional Issues and Ethics in Information Technology		Computing Elective		Disciplinary Elective
	DESN1000 Introduction to Engineering Design and Innovation		ENGG2500 Fluid Mechanics for Engineers		MMAN2700 Thermodynamics		Computing Elective		Computing Elective
Term 1	COMP1531 Software Engineering Fundamentals	Term 1	MATH2019 Engineering Mathematics 2E	Term 1	AERO3410 Aerospace Structures	Term 1	COMP3121 Algorithm Design and Analysis QB COMP3821 Extended Algorithm Design and Analysis	Term 1	MMAN4953 Research Thesis C
	MATH1231 Mathematics 1B QB MATH1241 Higher Mathematics 1B		MATH2089 Numerical Methods and Statistics		AERO3630 Aerodynamics		AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics		Disciplinary Elective
					AERO3660 Flight Performance and Propulsion				Computing Elective

NOTES

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

^①Students can take MATH1131 or MATH1141 depending on term offerings

Bachelor of Engineering (Honours) / Computer Science (3785)

Aerospace Engineering (AEROAH) / Computer Science (COMPA1)
T3 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 3	COMP1511 Programming Fundamentals	Term 3	DESN1000 Introduction to Engineering Design and Innovation	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	COMP3900 Computer Science Project	Term 3	MMAN4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		ELEC1111 Electrical Circuit Fundamentals		MATH2089 Numerical Methods and Statistics		COMP4920 Professional Issues and Ethics in Information Technology		AERO4110 Aerospace Design 2
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		Disciplinary Elective		MMAN2700 Thermodynamics		Disciplinary Elective		Computing Elective
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 1	MATH2019 Engineering Mathematics 2E	Term 1	AERO3410 Aerospace Structures	Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 1	MMAN4952 Research Thesis B
	COMP1531 Software Engineering Fundamentals		ENGG2400 Mechanics of Solids 1		AERO3630 Aerodynamics		MMAN3200 Linear Systems and Control		AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics
			ENGG2500 Fluid Mechanics for Engineers		AERO3660 Flight Performance and Propulsion				Computing Elective
Term 2	COMP1521 Computer Systems Fundamentals	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	DESN3000 Strategic Design Innovation	Term 2	AERO3110 Aerospace Design 1	Term 2	MMAN4953 Research Thesis C
	ENGG1300 Engineering Mechanics		COMP2521 Data Structures and Algorithms		COMP2511 Object-Oriented Design and Programming		Computing Elective		Computing Elective
	MMAN1130 Design and Manufacturing		Computing Elective				Computing Elective		Disciplinary Elective

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