

Bachelor Engineering (Honours) / Computer Science 3785 - Aerospace Eng - AEROAH - T2 2026 Start

Program: Engineering (Hons) / Comp Sci [3785]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
<i>PHYS1121 or PHYS1131</i>		6
<i>MATH1131 or MATH1141</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
ENGG1300 Engineering Mechanics		6
MMAN1130 Design and Manufacturing		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
<i>MATH1231 or MATH1241</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
COMP1521 Computer Systems Fundamentals	COMP1511	6
COMP2521 Data Structures and Algorithms	COMP1511	6
ENGG2400 Mechanics of Solids 1	ENGG1300	6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, COMP1521, MMAN1130	6
ELEC1111 Electrical Circuit Fundamentals		6
ENGG2500 Fluid Mechanics for Engineers		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
--------------------	---------------	---------

MATH2019 Engineering Mathematics 2E		6
MATH2089 Numerical Methods and Statistics		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
AERO3110 Aerospace Design 1	ENGG2400, DESN2000	6
MMAN2300 Engineering Mechanics 2	ENGG1300, MATH2019	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
COMP3900 Computer Science Project	COMP2521, COMP1531	6
COMP4920 Professional Issues and Ethics in Information Technology		6
MMAN2700 Thermodynamics		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
AERO3410 Aerospace Structures	ENGG2400	6
AERO3630 Aerodynamics	ENGG2500, MMAN2700	6
AERO3660 Flight Performance and Propulsion	ENGG1300, ENGG2500, MMAN2700	6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6
DESN3000 Strategic Design Innovation	DESN1000, DESN2000	6
MMAN3200 Linear Systems and Control	MMAN2300, ELEC1111	6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
AERO4110 Aerospace Design 2	AERO3660, AERO3410, AERO3110, AERO3630, MMAN3200	6
<i>Computing Electives</i>		6
<i>Computing Electives</i>		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics	AERO3660, MMAN3200	6
<i>COMP3121 or COMP3821</i>		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
MMAN4951 Thesis A		4
<i>Disciplinary Electives</i>		6
<i>Computing Electives</i>		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
MMAN4952 Thesis B	MMAN4951	4
<i>Computing Electives</i>		6
<i>Disciplinary Electives</i>		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
ENGG4999 Industrial Training		0
MMAN4953 Thesis C	MMAN4952	4
<i>Recommended Disciplinary Electives</i>		6
<i>Computing Electives</i>		6