Bachelor Engineering (Honours)/Computer Science 3785 - Mechanical Engineering- MECHAH - T3 2026 Start

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

Year 1 Term 3

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
PHYS1121 or PHYS1131		6
MATH1131 or MATH1141		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
ELEC1111 Electrical Circuit Fundamentals		6
MATH1231 or MATH1241		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
MMAN1130 Design and Manufacturing		6
COMP1521		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, MMAN1130	6
ENGG1300 Engineering Mechanics		6
ENGG2500 Fluid Mechanics for Engineers		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
MATH2089 Numerical Methods and Statistics		6
MMAN2700 Thermodynamics		6
MATH2018 or MATH2019		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
ENGG2400 Mechanics of Solids 1	ENGG1300	6

Course or Activity	Prerequisites	Credits
MMAN2300 Engineering Mechanics 2	ENGG1300	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
Discipline Electives		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
MECH3110 Mechanical Design 1	ENGG2400, DESN2000	6
MMAN3400 Mechanics of Solids 2	ENGG2400	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
Computing Electives		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
Recommended Discipline Electives		6
Discipline Electives		6
COMP3121 or COMP3821		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
Computing Electives		6
Recommended Discipline Electives		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
MECH3610 Advanced Thermofluids	ENGG2500, MMAN2700	6
MMAN3200 Linear Systems and Control	MMAN2300, ELEC1111	6
Computing Electives		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
COMP3900 Computer Science Project	COMP2521, COMP1531	6
MMAN4951 Thesis A		4
Recommended Discipline Electives		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
MMAN4952 Thesis B	MMAN4951	4
Computing Electives		6
Computing Electives		6

Year 6 Term 2

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
ENGG4999 Industrial Training		0
MECH4100 Mechanical Design 2	MECH3110	6
MMAN4953 Thesis C	MMAN4952	4