

Bachelor Engineering (Honours) - 3707 - Mechanical & Manufacturing Eng - MANFBH - T1 2026 Start

Program: Engineering (Honours) [3707]

Year 1 Term 1

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

Year 1 Term 2

Course or Activity	Prerequisites	Credits
MMAN1130 Design and Manufacturing		6
<i>MATH1231 or MATH1241</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
ELEC1111 Electrical Circuit Fundamentals		6
ENGG1300 Engineering Mechanics		6
<i>ENGG1811 or COMP1911 or COMP1511</i>		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
MATH2089 Numerical Methods and Statistics		6
MMAN2700 Thermodynamics		6
<i>MATH2018 or MATH2019</i>		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
ENGG2400 Mechanics of Solids 1	ENGG1300	6
MMAN2300 Engineering Mechanics 2	ENGG1300	6
<i>Free Electives</i>		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
DESN2000 Engineering Design and Professional Practice	DESN1000, MMAN1130	6

ENGG2500 Fluid Mechanics for Engineers		6
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Year 3 Term 1

Course or Activity	Prerequisites	Credits
MANF4100 Design and Analysis of Product-Process Systems	DESN1000, MMAN1130	6
MECH3110 Mechanical Design 1	ENGG2400, DESN2000	6
<i>General Education</i>		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
DESN3000 Strategic Design Innovation	DESN1000, DESN2000	6
MANF3510 Process Technology and Automation	MMAN1130	6
MMAN3200 Linear Systems and Control	MMAN2300, ELEC1111	6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
MMAN4400 Engineering Management		6
<i>General Education</i>		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
MANF4150 Design of Intelligent Manufacturing Systems	MANF4100, MANF3510	6
MANF4430 Reliability and Maintenance Engineering	MATH2089	6
MMAN4951 Thesis A		4

Year 4 Term 2

Course or Activity	Prerequisites	Credits
MANF4611 Process Modelling and Simulation	MATH2089	6
MMAN4952 Thesis B	MMAN4951	4
<i>Free Electives</i>		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
ENGG4999 Industrial Training		0
MMAN4953 Thesis C	MMAN4952	4
<i>Mechanical and Manufacturing Engineering</i>		6
<i>Mechanical and Manufacturing Engineering</i>		6