Bachelor Eng (Honours) / Master Biomedical Eng - 3768 - Mechanical Engineering - MECHAH - T2 2026

Program: Eng (Hons) / MBiomedE [3768]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
MMAN1130 Design and Manufacturing		6
PHYS1121 or PHYS1131		6
MATH1131 or MATH1141		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
ENGG1300 Engineering Mechanics		6
MATH1231 or MATH1241		6
ENGG1811 or COMP1911 or COMP1511		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
DESN1000 Introduction to Engineering Design and Innovation		6
MATH2018 or MATH2019		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
ENGG2400 Mechanics of Solids 1	ENGG1300	6
MMAN2300 Engineering Mechanics 2	ENGG1300	6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
ANAT2511 Fundamentals of Anatomy		6
DESN2000 Engineering Design and Professional Practice	DESN1000, MMAN1130	6
ENGG2500 Fluid Mechanics for Engineers		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
ELEC1111 Electrical Circuit Fundamentals		6
MATH2089 Numerical Methods and Statistics		6

Course or Activity		Credits
MMAN2700 Thermodynamics		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
DESN3000 Strategic Design Innovation	DESN1000, DESN2000	6
MECH3610 Advanced Thermofluids	ENGG2500, MMAN2700	6
MMAN3200 Linear Systems and Control	MMAN2300, ELEC1111	6

Year 3 Term 3

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

Year 4 Term 1

Course or Activity	Prerequisites	Credits
MECH3110 Mechanical Design 1	ENGG2400, DESN2000	6
MMAN3400 Mechanics of Solids 2	ENGG2400	6
PHSL2121 Principles of Physiology A		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
MECH4100 Mechanical Design 2	MECH3110	6
Biomedical Engineering Courses		6
Free Elective		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
Discipline Electives		6
Discipline Electives		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
BIOM9410 Regulatory Requirements of Biomedical Technology		6
Biomedical Engineering Courses		6
Biomedical Engineering Courses		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
BIOM4951 Research Thesis A		4
BIOM9332 Biocompatibility		6
BIOM9420 Clinical Laboratory Science		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
BIOM4952 Research Thesis B	BIOM4951	4
Biomedical Engineering Courses		6
Biomedical Engineering Courses		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
BIOM4953 Research Thesis C	BIOM4952	4
ENGG4999 Industrial Training		0
Recommended Discipline Electives		6
Biomedical Engineering Courses		6