

3768 - Engineering (Honours) Mechatronic Engineering / Biomedical Engineering
240 UoC

This dual degree program is designed for undergraduate students wishing to pursue a career in either Engineering or Biomedical Engineering. At the end of the program, successful candidates will graduate with a Bachelor in Engineering (Honours) and a Masters in Biomedical Engineering. Students are expected to perform at a credit average (65%) or better in their first three years to continue into the Masters part of the program. Students who do not satisfy this requirement can revert to the Bachelor of Engineering (Honours) program.

Double Degree Structure

1. Students must complete 240 UoC
2. Students must complete a minimum of 72 UoC of the Biomedical component (BIOMDS)
3. Students must complete 168 UoC from their chosen Engineering (Honours) stream
4. Students must take 12 UoC Biomedical Engineering Thesis courses in place of thesis courses offered in their BE (Hons). These courses will count towards the 168 UoC that is required for completion of their BE (Hons)

Course	UoC	Complete?	Notes
Disciplinary Component - 168 UoC			
Level 1 Courses			
COMP1511	6		
COMP1531	6		
DESN1000	6		
ELEC1111	6		
ENGG1300	6		
MATH1131 or MATH1141	6		
MATH1231 or MATH1241	6		
MMAN1130	6		
PHYS1121 or PHYS1131	6		
Level 2 Courses			
DESN2000	6		
ELEC2141	6		
ENGG2400 or ENGG2500 or MMAN2700	6		
MATH2018 or MATH2019	6		
MATH2089	6		
MMAN2300	6		
MTRN2500	6		
Level 3 Courses			
DESN3000	6		
MMAN3200	6		
MTRN3020	6		
MTRN3100	6		
MTRN3500	6		
Level 4 Courses			
MTRN4010	6		
MTRN4230	6		
Research Component			
BIOM4951 and BIOM4952 and BIOM49523 OR	12		
BIOM9914	12		
Electives			
Discipline Elective	6		
Discipline Elective	6		
Discipline Elective	6		
Industrial Training			
60 Days Industrial Training			
UoC Sub Total		168	
Biomedical Engineering - 72 UoC			
Biomedical Engineering Courses*			
Biomedical Engineering Course	6		
Biomedical Engineering Course	6		
Biomedical Engineering Course	6		
Biomedical Engineering Course	6		
Biomedical Engineering Course	6		
Biomedical Engineering Course	6		
Core Subjects			
ANAT2511	6		
BIOM9410	6		
BIOM9420	6		
PHSL2121	6		
Electives			
Free Elective	6		
Additional Elective	6		
<i>(The Additional Elective can be taken from the Biomedical Engineering Course List)</i>			
UoC Sub Total		72	
Program Total UoC		240	

*The list of Biomedical Engineering Courses can be found in the handbook.
Please check the handbook and latest timetable to confirm current course offerings and requirements.