

3773 – Engineering (Honours) / Engineering Science Mechatronic Engineering / Electrical Engineering

Students are required to complete 12 UoC of free electives. These can be used to take Engineering or non-engineering courses.

Where students meet all the requirements for both degrees in less than 240 UoC, students must complete additional elective courses to bring the total to 240 UoC. These electives must be taken from the Faculty of Engineering. This has been factored in to the below plan.

Within the 3706 specialisations, there are 18 UoC of common Lvl 1 core courses. There are 6 UoC of common Lvl 2 core courses. This has been factored in to the below plan with the additional elective requirement. If students choose to take independent core subjects within the 3706 specialisation, the elective configuration will be different than the below outline. The list of subjects can be found in the handbook.

Due to the 36 UoC of common courses within these specialisations, the below plan has been designed to add up to the total program UoC of 240.

Course	UoC	Specialisation	Complete?	Notes
Engineering Honours (3707) Specialisation				
MRTNAH				
Core Courses				
DESN1000	6	ELECF1		
COMP1511	6	ELECF1		
MATH1131 or MATH1141	6	ELECF1		
MATH1231 or MATH1241	6	ELECF1		
PHYS1121 or PHYS1131	6	ELECF1		
ELEC1111	6	ELECF1		
ENGG1300	6			
MMAN1130	6			
COMP1531	6			
MATH2018 or MATH2019	6			
ENGG2400 or ENGG2550 or MMAN2700	6			
ELEC2141	6			
MATH2089	6			
MMAN2300	6			
DESN2000	6	ELECF1		
MTRN2500	6			
MMAN3200	6			
DESN3000	6			
MTRN3020	6			
MTRN3100	6			
MTRN3500	6			
MTRN4010	6			
MTRN4230	6			
Thesis Component				
(MMAN4010 and MMAN4020)	6			
	6			
OR				
(MMAN4951 and MMAN952 and MMAN4953)	4			
	4			
	4			
Stream Elective Requirements				
Recommended Discipline Elective	6			
Discipline Elective	6			
Discipline Elective	6			
Industrial Training (60 days)				
UoC Sub Total	168			

Course	UoC	Complete?	Notes
Engineering Science (3706) Specialisation			
ELECF1			
Lvl 1 core requirements are fulfilled by the core courses taken in MRTNAH			
Lvl 1 Core	18 UoC		
Students must take 18 UoC from the list below.			
Lvl 2 Core			
DESN2000	6		
ELEC2133	6		
ELEC2134	6		
MATH2069	6		
MATH2099	6		
Level 3 & 4 Prescribed Electives			
Prescribed Elective	6		
Prescribed Elective	6		
Prescribed Elective	6		
Prescribed Elective	6		
Additional Electives			
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
UoC Subtotal	96		
AND			
Additional Program Requirements			
Free Elective Requirement			
Free Elective	6		
Free Elective	6		
UoC Subtotal	12		

Counts towards 3706

TOTAL PROGRAM UoC 240