



3773 – Engineering (Honours) / Engineering Science Electrical Engineering / Mechatronic 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 12 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 specialisations, the elective configuration will be different than the below outline. The list of subjects can be found in the handbook.

Due to the 30 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				
ELECAH				
Core Courses				
COMP1521	6			
ELEC1111	6	MTRND1		
DESN1000	6	MTRND1		
PHYS1231	6			
MATH1131 or MATH1141	6	MTRND1		
MATH1231 or MATH1241	6	MTRND1		
PHYS1121 or PHYS1131	6	MTRND1		
COMP1511 or COMP1911	6			
DESN2000	6	MTRND1		
ELEC2133	6			
ELEC2134	6			
ELEC2141	6	MTRND1		
MATH2069	6			
MATH2099	6			
ELEC3104	6			
ELEC3105	6			
ELEC3106	6			
ELEC3114	6			
ELEC3115	6			
ELEC3117	6			
TELE3113	6			
ELEC4122	6			
ELEC4123	6			
Thesis Component				
ELEC4951	4			
ELEC4952	4			
ELEC4953	4			
Stream Elective Requirements				
Discipline Elective	6			
Discipline Elective	6			
Breadth or Discipline Elective	6			
Industrial Training (60 days)				
UoC Sub Total	168			

Course	UoC	Complete?	Notes
Engineering Science (3706) Specialisation			
MTRND1			
Lvl 1 core requirements are fulfilled by the core courses taken in ELECAH			
Lvl 1 Core	18 UoC		
Students must take 18 UoC from the list below.			
Lvl 2 Core			
ENGG2400	6		
ELEC2141	6		
MATH2089	6		
MMAN2300	6		
DESN2000	6		
MTRN2500	6		
MATH2018 or MATH2019	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		
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