3785 - Engineering (Honours) Mechanical Engineering / Computer Science - 240 UoC

In this dual degree program, students take all 168 UoC of core courses from the Bachelor of Engineering (Honours) 3707 and all 96 UoC of core courses from the Bachelor of Science (Computer Science) 3778. Due to the overlap of 24 UoC of Science core courses, the total UoC required for completion is 240 UOC, rather than 264 UOC (see the UNSW Handbook for more details).

Some courses are double counted. Additionally, the overlap requires students to replace the usual course in one core or major with a more advanced course required in the other program.
Specifically:

1. Students MUST take COMP1511 as their first year Engineering computing course, COMP1511 is then double counted towards both degrees
2. Students are required to complete MATH1131 or MATH1141, and MATH1231 or MATH1241. The two Maths course are double counted towards both degrees.
3. MATH1081 is a core requirement Bachelor of Computer Science but is replaced by the 2nd Year Maths course taken in the BE(Hons) Major
   Note: Without following the substitutions above, students may end up needing to use free electives for core requirements or taking more than 240 UOC to complete the dual degree.

Course	UoC	Complete?	Notes
Core Courses - 24 UoC			
COMP1511	6		
MATH1131 or MATH1141	6		
MATH1231 or MATH1241	6		
MATH2018 or MATH2019	6		
UoC Sub Total	**24**		
Disciplinary Component - 144 UoC			
Level 1 Core Courses			
DESN1000	6		
ELEC1111	6		
ENGG1300	6		
MMAN1130	6		
PHYS1121 or PHYS1131	6		
Level 2 Core Courses			
DESN2000	6		
ENGG2400	6		
ENGG2500	6		
MATH2089	6		
MMAN2300	6		
MMAN2700	6		
Level 3 Core Courses			
DESN3000	6		
MECH3110	6		
MECH3610	6		
MMAN3200	6		
MMAN3400	6		
Level 4 Core Courses			
MECH4100	6		
Thesis Courses			
(MMAN4951 **and**			
MMAN952 **and**	12		
MMAN4953)			
Electives			
Discipline Elective	6		
Discipline Elective	6		
Discipline Elective	6		
Discipline Elective	6		
Discipline Elective	6		
Industrial Training			
60 Days Industrial Training			
UoC Sub Total	**144**		
IN ADDITION TO THE 24 CORE AND 144 DISCIPLINARY UNITS ABOVE, STUDENTS MUST COMPLETE 72 UoC FROM A COMPUTER SCIENCE STREAM, COMPA1 IS THE DEFAULT STREAM FOR THIS PROGRAM			
COMPA1 - Computer Science - 72 UoC			
COMP1521	6		
COMP1531	6		
COMP2521	6		
COMP2511	6		
COMP3121	6		
COMP3900	6		
COMP4920	6		
Computing Elective	6		
Computing Elective	6		
Computing Elective	6		
Computing Elective	6		
Computing Elective	6		
UoC Sub Total	**72**		
UoC Total	**240**		