Progression Checklist

3785 – Engineering (Honours) **Environmental Engineering /** Computer Science

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

With this dual degree program, students take the 168 units of credit core of the Bachelor of Engineering (Honours) 3707 and the 96 units of credit core of the Bachelor of Science (Computer Science) program 3778. Due to the overlap of 24 units of credit of Science courses in both core, the total units of credit required for completion is 240 UOC, rather than 264 UOC (see the UNSW Handboook for more details).

Some courses are double counted. Additionally the course overlaps require 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 one of MATH1131 or MATH1141, and one of 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.

Thesis Requirements

1. Students who take CVEN4951 or CVEN4961 must take CVEN4701 as one of their discipline electives.
2. Students who take Higher Honours and complete 24 UoC of Thesis subjects, will take 12 UoC of discipline electives instead of 24 UoC.

Note: School approval is required to take the alternative thesis options CVEN4951/4952/4953 or CVEN4961/4962/4963

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			
BIOS1301	6	☐	
CHEM1011 or CHEM1811	6	☐	
CVEN1701	6	☐	
DESN1000	6	☐	
PHYS1121 or PHYS1131	6	☐	
Level 2 Core Courses			
CEIC2009	6	☐	
CVEN2002	6	☐	
CVEN2701	6	☐	
DESN2000	6	☐	
ENGG2500	6	☐	
Level 3 Core Courses			
CVEN3101	6	☐	
CVEN3202	6	☐	
CVEN3203	6	☐	
CVEN3402	6	☐	
CVEN3501	6	☐	
CVEN3502	6	☐	
CVEN3701	6	☐	
CVEN3702	6	☐	
Level 4 Core Courses			
CVEN4701	6	☐	
Thesis Courses			
CVEN4050 and CVEN4051 **OR**	12	☐	
CVEN4951 and CVEN4952 and CVEN4953	12	☐	
Higher Honours Research Thesis			
CVEN4961 and CVEN4962 and CVEN4963	24	☐	
Electives			
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**		