

Course

## **Progression Checklist**

## 3785 - Engineering (Honours) Electrical Engineering /

Complete?

Computer Science

Notes

## 3785 - Engineering (Honours) Electrical 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.

UoC

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.

Core Courses - 30 UoC

DEC   Sub Total   30	COMP1511	6		
MATH231 or MATH1241         6         Heart 1000         Heart 10000         Heart	COMP1521	6		
MATH2069         6         Component (Component	MATH1131 or MATH1141	6		
Note	MATH1231 or MATH1241	6		
Disciplinary Component - 144 UoC	MATH2069	6		
Level 1 Core Courses         6         1           ELEC1111         6         1           PHYS1231         6         1           PHYS1211 or PHYS1131         6         1           DESN2000         6         1           ELEC2133         6         1           ELEC2144         6         1           ELEC2141         6         1           MATH2099         6         1           ELEC3104         6         1           ELEC3105         6         1           ELEC3106         6         1           ELEC3107         6         1           ELEC3114         6         1           ELEC3115         6         1           ELEC3114         6         1           ELEC3115         6         1           ELEC3117         6         1           ELEC3117         6         1           ELEC3118         6         1           ELEC4122         6         1           ELEC4123         6         1           ELEC4123         4         1           ELEC4124         6         1           ELEC412	UoC Sub Total	30		
Level 1 Core Courses         6         Common to the common		Disciplinary Compone	nt - 144 UoC	
ELEC1111         6         Company or Company o	Level 1 Core Courses			
PHYS1231         6         Common Comm	DESN1000	6		
PHYS1121 or PHYS1131         6         Image: Compose of the compose o	ELEC1111	6		
Level 2 Core Courses         6         1	PHYS1231	6		
DESN2000         6         6         6           ELEC2133         6         6         6           ELEC2141         6         6         6           MATH2099         6         6         6           Level 3 Core Courses         7         6         6           ELEC3104         6         6         6           ELEC3105         6         6         6           ELEC3116         6         6         6           ELEC3114         6         6         6           ELEC3115         6         6         6           ELEC3117         6         6         6           ELEC4122         6         6         6           ELEC4123         6         6         6           ELEC4951         4         6         6           ELEC4982         4         6         6           ELEC4983         4         6         6           Discipline Elective         6         6         6           Discipline Elective         6         6         6           Discipline Elective         6         6         6           Discipline Elective	PHYS1121 or PHYS1131	6		
ELEC2133         6 <t< td=""><td>Level 2 Core Courses</td><td></td><td></td><td></td></t<>	Level 2 Core Courses			
ELEC2134         6         CONTROL COUNTS COU	DESN2000	6		
ELEC2141         6         MATH2099         6         MATH2099           Level 3 Core Courses         Course         Co	ELEC2133	6		
MATH2099         6         Image: Control of the contro	ELEC2134	6		
Level 3 Core Courses         6           ELEC3104         6           ELEC3105         6           ELEC3106         6           ELEC3114         6           ELEC3115         6           ELEC3117         6           TELE3113         6           Level 4 Core Courses         9           ELEC4122         6           ELEC4123         6           ELEC4951         4           ELEC4952         4           ELEC4953         4           Discipline Elective         6           Discipline Elective         6           Discipline Elective         6           Discipline Elective         6           Ob Days Industrial Training         6	ELEC2141	6		
ELEC3104         6         ————————————————————————————————————	MATH2099	6		
ELEC3105         6         ————————————————————————————————————	Level 3 Core Courses			
ELEC3106       6         ELEC3114       6         ELEC3115       6         ELEC3117       6         TELE3113       6         Level 4 Core Courses         ELEC4122       6         ELEC423       6         ELEC4243       4         ELEC4951       4         ELEC4952       4         ELEC4953       4         Discipline Elective       6         Industrial Training       6	ELEC3104	6		
ELEC3114       6         ELEC3115       6         ELEC3117       6         TELE3113       6         Level 4 Core Courses         ELEC4122       6         ELEC4123       6         ELEC4951       4         ELEC4952       4         ELEC4953       4         Discipline Elective       6         Colored training       6	ELEC3105	6		
ELEC3115       6	ELEC3106	6		
ELEC3117         6	ELEC3114	6		
TELE3113         6            Level 4 Core Courses             ELEC4122         6             ELEC4123         6             ELEC4951         4             ELEC4952         4             ELEC4953         4             Discipline Elective         6             Discipline Elective         6             Discipline Elective         6             Free Elective         6             Free Elective         6             60 Days Industrial Training	ELEC3115	6		
Level 4 Core Courses         6           ELEC4122         6           ELEC4123         6           ELEC4951         4           ELEC4952         4           ELEC4953         4           Discipline Electives         6           Discipline Elective         6           Free Elective         6           Free Elective         6           Bo Days Industrial Training         6	ELEC3117	6		
ELEC4122         6         ————————————————————————————————————	TELE3113	6		
ELEC4123         6         ————————————————————————————————————				
ELEC4951       4       ()		6		
ELEC4952       4         ELEC4953       4         Electives         Discipline Elective       6         Discipline Elective       6         Discipline Elective       6         Free Elective       6         Free Elective       6         Industrial Training       6         60 Days Industrial Training       6	ELEC4123	6		
ELEC4953 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		4		
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Free Elective 6 Industrial Training 6 Oays Indus				
Industrial Training 60 Days In				
60 Days Industrial Training		6		
UoC Sub Total 144				
	UoC Sub Total	144		

IN ADDITION TO THE 24 CORE AND 144 DISCIPLINARY UNITS ABOVE, STUDENTS MUST COMPLETE 72 UoC FROM A COMPUTER SCIENCE STRI COMPA1 IS THE DEFAULT STREAM FOR THIS PROGRAM

COMPATIS THE DEFAULT STREAM FOR THIS PROGRAM					
COMPA1 - Computer Science - 66 UoC					
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	66				
UoC Total	240				