



# Progression Checklist

## 3732 – Engineering Science / Arts

### MTRNJ1 - Robotics and Mechatronics Engineering

In this dual degree students take 96 UOC for the Bachelor of Engineering Science, and 96 UOC for the Bachelor of Arts, for a total of 192 UOC. When a student meets all the requirements for both degrees in less than 192 UOC (e.g. if mathematics is taken as the minor stream in the BA component), students must complete additional elective courses to bring the total to 192 UOC. Those electives must be taken from the Faculty of Engineering and/or the Faculty of Arts and Social Sciences.

Students who have transferred to 3706 from a single or dual Bachelor of Engineering (Hons) program may count courses not listed here towards the requirements of their major if they are considered equivalent or have been superceded by other courses. This is only possible if the course(s) were listed in the handbook for their Engineering major, and they are completing an Engineering Science major in the same discipline.

Course	UoC	Complete?	Notes
<b>Disciplinary Component - 3706 Engineering Science - 96 UoC</b>			
<b>Level 1 Courses</b>			
<b>Students must take at least 18 UOC from the following courses</b>			
COMP1511	6		
COMP1531	6		
DESN1000	6		
ELEC1111	6		
ENGG1300	6		
MMAN1130	6		
MATH1131 or MATH1141	6		
MATH1231 or MATH1241	6		
PHYS1121 or PHYS1131	6		
<b>Level 2 Courses</b>			
<b>Students must take at least 18 UOC from the following courses</b>			
DESN2000	6		
ENGG2400	6		
ELEC2141	6		
MATH2089	6		
MMAN2300	6		
MTRN2500	6		
MATH2018 or MATH2019	6		
<b>Level 3 &amp; 4 Prescribed Electives</b>			
<b>The list of Electives can be found in the handbook (fulfill all)</b>			
Lvl 3 & 4 Prescribed Elective	6		
Lvl 3 & 4 Prescribed Elective	6		
Lvl 3 & 4 Prescribed Elective	6		
Lvl 3 & 4 Prescribed Elective	6		
<b>Additional Electives</b>			
<b>The list of courses can be found in the handbook</b>			
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
Additional Elective	6		
<b>UoC Sub Total</b>	<b>96</b>		
<b>Disciplinary Component - 3409 Arts - 96 UoC</b>			
Arts Major	48		
Arts Major	48		
<b>OR</b>			
Arts Major	48		
Arts Minor	36		
Additional Courses/Prescribed Electives	12		
<b>UoC Sub Total</b>	<b>96</b>		
<b>Total Program UOC</b>	<b>192</b>		