

Science

# Bachelor of Materials Science and Engineering (3131) - [Handbook](#)

2024 Commencing Students  
Program Structure



## Single Degree Mode

PROGRAM STRUCTURE	Material Science Core	168 UOC	192 UOC
	General Education	12 UOC (2 courses)	
	Free Electives	12 UOC (2 courses)	

**General Education** must be taken from courses that are not considered [Science Electives](#) or courses taught by the Faculty of Engineering.

Material Science students cannot take GENS or GENE courses under any circumstance.

**Free Electives** are courses from any Faculty at UNSW including Science, but cannot be GEN-branded courses

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2024 Commencing Students – Single Degree – Materials Engineering ([MATSM1](#))

Choose from available proposed courses in each year

Year 1		
CHEM1811 (T1)	CHEM1821 (T2)	MATS1192 (T1, T3)
PHYS1121 (T1, T2, T3)	MATH1231 (T1, T2, T3)	DESN1000 (T1, T3)
MATH1131 (T1, T2, T3)	ENGG1811 (T1, T2, T3)	

Year 2		
MATS2001 (T1)	MATS2004 (T2)	MATH2089 (T1, T3)
MATS2003 (T1)	MATS2009 (T2)	6 UOC Free Elective
MATH2019 (T1)	MATS2008 (T2)	

Year 3		
MATS3001 (T1)	MATS3004 (T2)	MATS3008 (T3)
MATS3002 (T1)	MATS3006 (T2)	6 UOC General Education
MATS3005 (T1)	MATS3007 (T2)	6 UOC Free Elective

Year 4		
MATS4014 (TBC)	MATS4015 (TBC)	6 UOC Professional Elective (See Note 1)
MATS4025 (4 UOC) NEW	MATS4026 (4 UOC) NEW	MATS4027 (4 UOC) NEW
6 UOC Professional Elective (See Note 1)	6 UOC General Education	ENGG4999 Industrial Training (0 UOC)

NOTES	This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.	
		See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
	Note 1: MATS4004, MATS4007, MATS4016, MATS4017, MATS4018, MATS4019	
	ENGG4999 Industrial Training: Students must complete a minimum of 60 days of Industrial Training to graduate. Industrial Training must be undertaken concurrently with enrolment in the program.	