

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)	MATS2008 (T2)	MATS2009 (T2)
MATH2019 (T1)	6 UOC Free Elective	

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.