# Engineering Science (Masters) (8338)

## Robotics (MTRNFS)

# T1 Entry Sample Plan 2025



Year 1				
Term 1	COMP9021 Principles of Programming			
	ENGG2400 Mechanics of Solids			
	<b>MMAN3200</b> Linear Systems and Control			
Term 2	ENGG1300 Engineering Mechanics			
	MTRN3100 Robot Design			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
Term 3	<b>MTRN3500</b> Comp Appl in Mechatonic Sys			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			

Year 2				
Term 1	<b>MMAN9451</b> Masters Project A			
	MTRN4010 Advanced Autonomous Systems			
	Advanced Disciplinary Knowledge Core			
Term 2	<b>MMAN9452</b> Masters Project B			
	MTRN4230 Robotics			
	Advanced Disciplinary Knowledge Core			
Term 3	<b>MMAN9453</b> Masters Project C			
	<b>GSOE9010</b> <u>OR</u> <b>GSOE9011</b> Engineering Postgraduate Coursework Research Skills			
	Engineering Technical Management			

NOTES

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. Please see the handbook for details regarding each specialisation, its structure and subject term offerings. You can find your program requirements in the <a href="UNSW Handbook">UNSW Handbook</a>, or alternatively your <a href="Progression Checksheet">Progression Checksheet</a> will give you an overview of your program.

## Engineering Science (Masters) (8338)

## Robotics (MTRNFS)

# T2 Entry Sample Plan 2025



	Year 1			
Term 2	COMP9021 Principles of Programming			
	ENGG2400 Mechanics of Solids			
	MMAN3200 Linear Systems and Control			
Term 3	ENGG1300 Engineering Mechanics			
	MTRN3500 Comp Appl in Mechatonic Sys			
Term 1	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
	Advanced Disciplinary Knowledge Core			

Year 2				
Term 2	<b>MMAN9451</b> Masters Project A			
	MTRN4230 Robotics			
	<b>MTRN3100</b> Robot Design			
Term 3	<b>MMAN9452</b> Masters Project B			
	Engineering Technical Management			
	Advanced Disciplinary Knowledge Core			
Term 1	<b>MMAN9453</b> Masters Project C			
	<b>GSOE9010</b> <u>OR</u> <b>GSOE9011</b> Engineering Postgraduate Coursework Research Skills			
	MTRN4010 Advanced Autonomous Systems			

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## Engineering Science (Masters) (8338)

## Robotics (MTRNFS)

# T3 Entry Sample Plan 2025



	Year 1			
Term 3	COMP9021 Principles of Programming			
	ENGG1300 Engineering Mechanics			
	<b>MTRN3500</b> Comp Appl in Mechatonic Sys			
Term 1	ENGG2400 Mechanics of Solids			
	MMAN3200 Linear Systems and Control			
Term 2	<b>MTRN3100</b> Robot Design			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			

Year 2				
Term 3	<b>MMAN9451</b> Masters Project A			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
	Advanced Disciplinary Knowledge Elective <u>OR</u> Disciplinary Knowledge Elective			
Term 1	<b>MMAN9452</b> Masters Project B			
	<b>GSOE9010</b> <u>OR</u> <b>GSOE9011</b> Engineering Postgraduate Coursework Research Skills			
	MTRN4010 Advanced Autonomous Systems			
Term 2	<b>MMAN9453</b> Masters Project C			
	MTRN4230 Robotics			
	Engineering Technical Management			

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# Engineering Science (Masters) 24 UoC RPL / 48 UoC RPL



24 UoC of RPL			48 UoC of RPL					
	Year 1		Year 2		Year 1		Year 2	
	Engineering Course (6 UoC)	Term 1	Thesis C (4 UoC)	Term 1	Thesis A (4 UoC or 6 UoC)	Term 1		
Term 1	Engineering Course (6 UoC)		Engineering Course (6 UoC)		Engineering Course (6 UoC)			
	Engineering Course (6 UoC)		Engineering Course (6 UoC)		Engineering Course (6 UoC)			
	Engineering Course (6 UoC)	Term 2			Thesis B (4 UoC or 6 UoC)	Term 2		
Term 2	Engineering Course (6 UoC)			Term 2	Engineering Course (6 UoC)			
	<b>Thesis A</b> (4 UoC or 6 UoC)				Engineering Course (6 UoC)			
	Thesis B (4 UoC or 6 UoC)	Term 3			Thesis C (4 UoC)			
Term 3	Engineering Course (6 UoC)			Term 3	Engineering Course (6 UoC)	Term 3		
	Engineering Course (6 UoC)				Engineering Course (6 UoC)			

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