Engineering

Bachelor of Engineering (Honours) (3707)

Software Engineering (SENGAH)

T1 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 1	**DESN1000** Engineering Design and Innovation	**SENG2021** Requirements and Design Workshop	**COMP3311** Database Systems	**COMP4951** Research Thesis A (4 UoC)
	MATH1081 Discrete Mathematics	**COMP2521** Data Structures and Algorithms	**SENG3011** Software Engineering Workshop 3	**SENG4920** Ethics & Management
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**Free Elective Course**	**Discipline Elective Course**	**Discipline Elective Course**
Term 2	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**COMP2041** Software Construction: Techniques and Tools	**COMP3142** Software Testing and Quality Assurance	**COMP4952** Research Thesis B (4 UoC)
	COMP1511 Programming Fundamentals	**MATH2400** Finite Mathematics (3 UoC) & **MATH2859** Probability, Statistics & Info (3 UoC)	**COMP3331** Computer Networks & Applications	**Level 4+ Discipline Elective Course**
	General Education Course	**DESN2000** Engineering Design and Professional Practice	**Free Elective Course**	**Free Elective Course**
Term 3	**COMP1521** Computer Systems Fundamentals	**COMP2511** Object-Oriented Design & Programming	**Discipline Elective Course**	**COMP4953** Research Thesis C (4 UoC)
	COMP1531 Software Engineering Fundamentals	**SENG2011** Workshop on Reasoning about Programs	**General Education Course**	**Level 4+ Discipline Elective Course**
				Discipline Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

Engineering

Bachelor of Engineering (Honours) (3707)

Software Engineering (SENGAH)

T2 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 2	**COMP1511** Programming Fundamentals	**COMP2041** Software Construction: Techniques and Tools	**COMP3142** Software Testing and Quality Assurance	**COMP4951** Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A	**MATH2400** Finite Mathematics (3 UoC) & **MATH2859** Probability, Statistics & Info (3 UoC)	**COMP3311** Database Systems	**Discipline Elective Course**
		DESN2000 Engineering Design and Professional Practice	**Free Elective Course**	**L4+ Discipline Elective Course**
Term 3	**COMP1521** Computer Systems Fundamentals	**SENG2011** Workshop on Reasoning about Programs	**COMP3331** Computer Networks & Applications	**COMP4952** Research Thesis B (4 UoC)
	MATH1081 Discrete Mathematics	**COMP2511** Object-Oriented Design & Programming	**Discipline Elective Course**	**SENG4920** Ethics & Management
	COMP1531 Software Engineering Fundamentals	**Free Elective Course**	**General Education Course**	**Discipline Elective Course**
Term 1	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**SENG2021** Requirements and Design Workshop	**SENG3011** Software Engineering Workshop 3	**COMP4953** Research Thesis C (4 UoC)
	COMP2521 Data Structures and Algorithms	**General Education Course**	**Discipline Elective Course**	**Free Elective Course**
	DESN1000 Engineering Design and Innovation			**L4+ Discipline Elective Course**

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

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Engineering

Bachelor of Engineering (Honours) (3707)

Software Engineering (SENGAH)

T3 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 3	**COMP1511** Programming Fundamentals	**COMP2511** Object-Oriented Design & Programming	**COMP3331** Computer Networks & Applications	**COMP4951** Research Thesis A (4 UoC)
	DESN1000 Engineering Design and Innovation	**SENG2011** Workshop on Reasoning about Programs	**Discipline Elective Course**	**SENG4920** Ethics & Management
		Free Elective Course	**Free Elective Course**	**Free Elective Course**
Term 1	**COMP1521** Computer Systems Fundamentals	**SENG2021** Requirements and Design Workshop	**SENG3011** Software Engineering Workshop 3	**COMP4952** Research Thesis B (4 UoC)
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**General Education Course**	**COMP3311** Database Systems	**Discipline Elective Course**
	COMP2521 Data Structures and Algorithms		**General Education Course**	**L4+ Discipline Elective Course**
Term 2	**COMP1531** Software Engineering Fundamentals	**COMP2041** Software Construction: Techniques and Tools	**COMP3142** Software Testing and Quality Assurance	**COMP4953** Research Thesis C (4 UoC)
	MATH1231 Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**MATH2400** Finite Mathematics (3 UoC) & **MATH2859** Probability, Statistics & Info (3 UoC)	**Discipline Elective Course**	**Discipline Elective Course**
	MATH1081 Discrete Mathematics	**DESN2000** Engineering Design and Professional Practice		**L4+ Discipline Elective Course**

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

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