

Bachelor of Engineering (Honours) (3707)

Software Engineering (SENGAH)

T1 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	SENG2021 Requirements and Design Workshop	Term 1	COMP3311 Database Systems	Term 1	COMP4951 Research Thesis A (4 UoC)
	COMP1511 Programming Fundamentals		Free Elective Course		SENG3011 Software Engineering Workshop 3		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		General Education Course		Discipline Elective Course		SENG4920 Ethics & Management
Term 2	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 2	COMP2041 Software Construction: Techniques and Tools	Term 2	COMP3141 Software System Design & Implementation	Term 2	COMP4952 Research Thesis B (4 UoC)
	COMP1521 Computer Systems Fundamentals		MATH2400 Finite Mathematics (3 UoC) & MATH2859 Probability, Statistics & Info (3 UoC)		COMP3331 Computer Networks & Applications		Level 4+ Discipline Elective Course
	COMP1531 Software Engineering Fundamentals		DESN2000 Engineering Design and Professional Practice		Free Elective Course		Free Elective Course
Term 3	COMP2521 Data Structures and Algorithms	Term 3	COMP2511 Object-Oriented Design & Programming	Term 3	Discipline Elective Course	Term 3	COMP4953 Research Thesis C (4 UoC)
	MATH1081 Discrete Mathematics		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.

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T2 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2041 Software Construction: Techniques and Tools	Term 2	COMP3141 Software System Design & Implementation	Term 2	COMP4951 Research Thesis A (4 UoC)
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MATH2400 Finite Mathematics (3 UoC) & MATH2859 Probability, Statistics & Info (3 UoC)		COMP3331 Computer Networks & Applications		Discipline Elective Course
			DESN2000 Engineering Design and Professional Practice		Free Elective Course		L4+ Discipline Elective Course
Term 3	COMP1521 Computer Systems Fundamentals	Term 3	SENG2011 Workshop on Reasoning about Programs	Term 3	COMP3311 Database Systems	Term 3	SENG4920 Ethics & Management
	MATH1081 Discrete Mathematics		COMP2511 Object-Oriented Design & Programming		Discipline Elective Course		COMP4952 Research Thesis B (4 UoC)
	COMP1531 Software Engineering Fundamentals		Free Elective Course		General Education Course		Discipline Elective Course
Term 1	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 1	SENG2021 Requirements and Design Workshop	Term 1	SENG3011 Software Engineering Workshop 3	Term 1	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

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T3 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	COMP1511 Programming Fundamentals	Term 3	COMP2511 Object-Oriented Design & Programming	Term 3	COMP3311 Database Systems	Term 3	COMP4951 Research Thesis A (4 UoC)
	DESN1000 Engineering Design and Innovation		SENG2011 Workshop on Reasoning about Programs		COMP3331 Computer Networks & Applications		SENG4920 Ethics & Management
			Free Elective Course		Free Elective Course		Free Elective Course
Term 1	COMP1521 Computer Systems Fundamentals	Term 1	SENG2021 Requirements and Design Workshop	Term 1	SENG3011 Software Engineering Workshop 3	Term 1	COMP4952 Research Thesis B (4 UoC)
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		General Education Course		Discipline Elective Course		Discipline Elective Course
	COMP2521 Data Structures and Algorithms				General Education Course		L4+ Discipline Elective Course
Term 2	COMP1531 Software Engineering Fundamentals	Term 2	COMP2041 Software Construction: Techniques and Tools	Term 2	COMP3141 Software System Design & Implementation	Term 2	COMP4953 Research Thesis C (4 UoC)
	MATH1231 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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