

Engineering

Bachelor of Engineering (Honours) (3707)

Renewable Energy Engineering (SOLABH)

T1 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	MMAN2700 Thermodynamics	Term 1	SOLA5053 Wind Energy Converters	Term 1	SOLA4951 Research Thesis A
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		MATH2089 Numerical Methods and Statistics		SOLA5050 Renewable Energy Policy		ELEC4122 Strategic Leadership and Ethics
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 (Higher) Physics 1A		SOLA2060 Introduction to Electronic Devices		Strand Elective Course		Discipline Elective Course
Term 2	SOLA1070 Sustainable Energy	Term 2	SOLA2051 Project in Photovoltaics and Renewable Energy	Term 2	SOLA5057 Energy Efficiency	Term 2	SOLA4952 Research Thesis B
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		MATH2018 Engineering Mathematics 2D		Strand Elective Course		SOLA4012 Photovoltaic Systems Design
			General Education Course		Strand Elective Course		General Education Course
Term 3	ELEC1111 Electrical Circuit Fundamentals	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	ELEC2911 Power Engineering for Renewable Energy	Term 3	SOLA4953 Research Thesis C
	PHYS1221 Physics 1B <u>OR</u> PHYS1231 Higher Physics 1B		SOLA2540 Applied Photovoltaics		Discipline Elective Course		Free Elective Course
	MATH1231 Mathematics 1A						Free 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 2025 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	SOLA1070 Sustainable Energy	Term 2	SOLA2051 Project in Photovoltaics & Renewable Energy	Term 2	SOLA5057 Energy Efficiency	Term 2	SOLA4951 Research Thesis A
	MATH1131 Mathematics 1A		General Education Course		Strand Elective Course		SOLA4012 Photovoltaic Systems Design
	PHYS1121 Physics 1 A OR PHYS1131 Higher Physics 1A		MATH2018 Engineering Mathematics 2D		Discipline Elective Course		General Education Course
Term 3	DESN1000 Engineering Design and Innovation	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	ELEC2911 Power Engineering for Renewable Energy	Term 3	SOLA4952 Research Thesis B
	ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals		SOLA2540 Applied Photovoltaics		Strand Elective Course		Strand Elective Course
			MATH2089 Numerical Methods and Statistics		Discipline Elective Course		Free Elective Course
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	MMAN2700 Thermodynamics	Term 1	SOLA5053 Wind Energy Converters	Term 1	SOLA4953 Research Thesis C
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		SOLA2060 Introduction to Electronic Devices		SOLA5050 Renewable Energy Policy		ELEC4122 Strategic Leadership and Ethics
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B						Free Elective Course

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Engineering Bachelor of Engineering (Honours) (3707) Renewable Energy Engineering (SOLABH)

T3 Entry 2025 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Engineering Design and Innovation	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	ELEC2911 Power Engineering for Renewable Energy	Term 3	SOLA4951 Research Thesis A
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming		Strand Elective Course		Discipline Elective Course
	PHYS1121 Physics 1 A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		General Education Course		General Education Course
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	SOLA2540 Applied Photovoltaics	Term 1	SOLA5053 Wind Energy Converters	Term 1	SOLA4952 Research Thesis B
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		MMAN2700 Thermodynamics		SOLA5050 Renewable Energy Policy		ELEC4122 Strategic Leadership and Ethics
	PHYS1221 Physics 1B <u>OR</u> PHYS1231 Higher Physics 1B		SOLA2060 Introduction to Electronic Devices		Strand Elective Course		Free Elective Course
Term 2	SOLA1070 Sustainable Energy	Term 2	MATH2018 Engineering Mathematics 2D	Term 2	SOLA5057 Energy Efficiency	Term 2	SOLA4953 Research Thesis C
	SOLA2051 Project in Photovoltaics & Renewable Energy		Strand Elective Course		Discipline Elective Course		SOLA4012 Photovoltaic Systems Design
							Free Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999
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