Engineering

Bachelor of Engineering (Honours) (3707)

Renewable Energy Engineering (SOLABH)

T1 Entry 2023 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 OR MATH1141 (Higher) Mathematics 1A		**MATH2089** Numerical Methods and Statistics		**SOLA5050** Renewable Energy Policy		**ELEC4122** Strategic Leadership and Ethics
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		**MATH2018 OR MATH2019** Engineering Mathematics 2D (2E)		**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
	MATH1231 OR MATH1241 (Higher) Mathematics 1A		**General Education Course**		**Strand Elective Course**		**SOLA4012** Photovoltaic Systems Design
	ENGG1811 OR COMP1911 OR COMP1511 Computing for Engineers		**Strand Elective Course**		**Discipline 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 OR PHYS1231 (Higher) Physics 1B		**SOLA2540** Applied Photovoltaics		**Discipline Elective Course**		**Free Elective Course**
							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.

Engineering

Bachelor of Engineering (Honours) (3707)

Renewable Energy Engineering (SOLABH)

T2 Entry 2023 Sample Plan

UNSW SYDNEY

	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 OR **MATH1141** Mathematics 1A		**General Education Course**		**Strand Elective Course**		**SOLA4012** Photovoltaic Systems Design
	PHYS1121 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
	MATH1231 OR **MATH1241** Mathematics 1A		**SOLA2540** Applied Photovoltaics		**Strand Elective Course**		**Discipline Elective Course**
	ENGG1811 OR **COMP1511** Computing for Engineers		**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 OR **PHYS1231** (Higher) Physics 1B		**Strand Elective Course**		**SOLA5050** Renewable Energy Policy		**ELEC4122** Strategic Leadership and Ethics
							Free 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)

Renewable Energy Engineering (SOLABH)

T3 Entry 2023 Sample Plan

UNSW SYDNEY

	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 OR MATH1141 (Higher) Mathematics 1A		**ENGG1811 OR COMP1511** Computing for Engineers		**Strand Elective Course**		**Discipline Elective Course**
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		**MATH2089** Numerical Methods and Statistics		**Discipline Elective 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 OR MATH1241 (Higher) Mathematics 1A		**MMAN2700** Thermodynamics		**SOLA5050** Renewable Energy Policy		**ELEC4122** Strategic Leadership and Ethics
	PHYS1221 OR PHYS1231 (Higher) Physics 1B		**MATH2018 OR MATH2019** Engineering Mathematics 2D (2E)		**Strand Elective Course**		**Free Elective Course**
Term 2	**SOLA1070** Sustainable Energy	**Term 2**	**General Education Course**	**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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