Engineering

Bachelor of Engineering (Honours) (3707)

Photovoltaics & Solar Energy Engineering (SOLAAH)

T1 Entry 2023 Sample Plan

	Year 1		Year 2		Year 3		Year 4
Term 1	**DESN1000** Engineering Design and Innovation	Term 1	**SOLA2060** Introduction to Electronic Devices	Term 1	**SOLA3507** Solar Cells	Term 1	**SOLA4951** Research Thesis A
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		**MATH2089** Numerical Methods and Statistics		**Discipline Elective Course**		**ELEC4122** Strategic Leadership and Ethics
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		**General Education Course**		**Strand Elective Course**		**Discipline Elective Course**
Term 2	**MATH1231 OR MATH1241** (Higher) Mathematics 1A	Term 2	**SOLA2051** Project in Photovoltaics and Renewable Energy	Term 2	**SOLA3010** Low Energy Buildings and Photovoltaics	Term 2	**SOLA4952** Research Thesis B
	ENGG1811 OR COMP1911 OR COMP1511 Computing for Engineers		**MATH2018** Engineering Mathematics 2D		**SOLA3020** Photovoltaic Technology and Manufacturing		**SOLA4012** Photovoltaic Systems Design
	Free Elective Course		**Strand Elective Course**		**Discipline Elective Course**		**SOLA5057** Energy Efficiency
Term 3	**MATS1101** Engineering Materials and Chemistry	Term 3	**DESN2000** Engineering Design and Professional Practice	Term 3	**Discipline Elective Course**	Term 3	**SOLA4953** Research Thesis C
	PHYS1221 OR PHYS1231 (Higher) Physics 1B		**SOLA2540** Applied Photovoltaics		**Strand Elective Course**		**General Education Course**
							Free Elective Course

NOTES

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

Students doing a Computing Strand should take COMP1911/COMP1511. COMP1511 space may be reserved for Computer Science and Engineering students only in Term 2, if so, you can take COMP1511 in Term 3 instead. Students selecting Mathematics Strand and Physics Stand, and BE/BSc students majoring in 'Mathematics' or 'Physics' should replace MATH2019 with MATH2011 Several Variable Calculus and MATH2121 Theory and Applications of Differential Equations.

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

Engineering

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Photovoltaics & Solar Energy Engineering (SOLAAH)

T2 Entry 2023 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4
Term 2	MATH1131 Mathematics 1A	Term 2	SOLA2051 Project in Photovoltaics and Renewable Energy	Term 2	SOLA3010 Low Energy Buildings and Photovoltaics	Term 2	SOLA4951 Research Thesis A
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		MATH2018 Engineering Mathematics 2D		SOLA3020 Photovoltaic Technology and Manufacturing		SOLA4012 Photovoltaic Systems Design
	ENGG1811 OR COMP1911 OR COMP1511 Computing for Engineers		General Education Course		Strand Elective Course		SOLA5057 Energy Efficiency
Term 3	MATS1101 Engineering Materials and Chemistry	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	Strand Elective Course	Term 3	SOLA4952 Research Thesis B
	DESN1000 Engineering Design and Innovation		SOLA2540 Applied Photovoltaics		Discipline Elective Course		Discipline Elective Course
	Free Elective Course		Strand Elective Course		Discipline Elective Course		General Education Course
Term 1	PHYS1221 OR PHYS1231 (Higher) Physics 1B	Term 1	SOLA2060 Introduction to Electronic Devices	Term 1	SOLA3507 Solar Cells	Term 1	SOLA4953 Research Thesis C
	MATH1231 OR MATH1241 (Higher) Mathematics 1A		MATH2089 Numerical Methods and Statistics		Discipline Elective Course		ELEC4122 Strategic Leadership and Ethics
							Free Elective Course

NOTES

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

Students doing a Computing Strand should take COMP1911/COMP1511. COMP1511 space may be reserved for Computer Science and Engineering students only in Term 2, if so, you can take COMP1511 in Term 3 instead. Students selecting Mathematics Strand and Physics Stand, and BE/BSc students majoring in 'Mathematics' or 'Physics' should replace MATH2019 with MATH2011 Several Variable Calculus and MATH2121 Theory and Applications of Differential Equations

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Information is correct as of 04.05.2023 and is based on proposed prerequisites and course availability. This is to be used as a guide only and does not replace individual advice. Refer to the Handbook and Class Timetable for the relevant term to check availability for these courses. Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Engineering

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Photovoltaics & Solar Energy Engineering (SOLAAH)

T3 Entry 2023 Sample Plan

UNSW
SYDNEY

	Year 1		Year 2		Year 3		Year 4
Term 3	MATS1101 Engineering Materials and Chemistry	**Term 3**	DESN2000 Engineering Design and Professional Practice	**Term 3**	Discipline Elective Course	**Term 3**	SOLA4951 Research Thesis A
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		MATH2089 Numerical Methods and Statistics		Discipline Elective Course		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		Free Elective Course		Strand Elective Course		General Education Course
Term 1	PHYS1221 OR PHYS1231 (Higher) Physics 1B	**Term 1**	SOLA2060 Introduction to Electronic Devices	**Term 1**	SOLA3507 Solar Cells	**Term 1**	SOLA4952 Research Thesis B
	DESN1000 Engineering Design and Innovation		SOLA2540 Applied Photovoltaics		Discipline Elective Course		ELEC4122 Strategic Leadership and Ethics
	MATH1231 OR MATH1241 (Higher) Mathematics 1A		MATH2018 OR MATH2019 Engineering Mathematics 2D (2E)		Strand Elective Course		Free Elective Course
Term 2	ENGG1811 OR COMP1911 OR COMP1511 Computing for Engineers	**Term 2**	General Education Course	**Term 2**	SOLA3010 Low Energy Buildings and Photovoltaics	**Term 2**	SOLA4953 Research Thesis C
	SOLA2051 Project in Photovoltaics and Renewable Energy		Strand Elective Course		SOLA3020 Photovoltaic Technology and Manufacturing		SOLA4012 Photovoltaic Systems Design
							SOLA5057 Energy Efficiency

NOTES

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

Students doing a Computing Strand should take COMP1911/COMP1511. Students selecting Mathematics Strand and Physics Stand, and BE/BSc students majoring in 'Mathematics' or 'Physics' should replace MATH2019 with MATH2011 Several Variable Calculus and MATH2121 Theory and Applications of Differential Equations

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