Engineering
Bachelor of Engineering (Honours) (3707)
Photovoltaics & Solar Energy Engineering (SOLAAH)
T1 Entry 2024 Sample Plan

UNSW SYDNEY

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

NOTES

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

Students studying a Computing stream 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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T2 Entry 2024 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 Physics 1A <u>OR</u> **PHYS1131** Higher Physics 1A		**MATH2018** Engineering Mathematics 2D		**SOLA3020** Photovoltaic Technology and Manufacturing		**SOLA4012** Photovoltaic Systems Design
	ENGG1811 Computing for Engineers <u>OR</u> **COMP1511** Programming Fundamentals <u>OR</u> **COMP1911** Computing 1A		**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** Physics 1B <u>OR</u> **PHYS1231** Higher Physics 1B	Term 1	**SOLA2060** Introduction to Electronic Devices	Term 1	**SOLA3507** Solar Cells	Term 1	**SOLA4953** Research Thesis C
	MATH1231 Mathematics 1A <u>OR</u> **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

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Engineering
Bachelor of Engineering (Honours) (3707)
Photovoltaics & Solar Energy Engineering (SOLAAH)
T3 Entry 2024 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 Physics 1 A OR **PHYS1131** Higher Physics 1A		**MATH2089** Numerical Methods and Statistics		**Discipline Elective Course**		**Discipline Elective Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A		**Free Elective Course**		**Strand Elective Course**		**General Education Course**
Term 1	**PHYS1221** Physics 1B 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 Mathematics 1B OR **MATH1241** Higher Mathematics 1B		**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D		**Strand Elective Course**		**Free Elective Course**
Term 2	**ENGG1811** Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A	**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 studying a Computing stream 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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