Engineering

Bachelor of Engineering (Honours) / Computer Science (3785)

Renewable Energy Engineering (SOLABH) / Computer Science (COMPA1)
T1 Entry 2024 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 1	COMP1511 Programming Fundamentals	Term 1	COMP1531 Software Engineering Fundamentals	Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 1	ELEC4122 Strategic Leadership and Ethics	Term 1	SOLA4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		MATH2019 Engineering Mathematics 2E		SOLA2540 Applied Photovoltaics		SOLA5050 Renewable Energy Policy		Stand Elective
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics				SOLA5053 Wind Energy Converters		Computing Elective
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 2	SOLA1070 Sustainable Energy	Term 2	SOLA2051 Project in Photovoltaics and Renewable Energy	Term 2	SOLA4012 Photovoltaic Systems Design	Term 2	SOLA4952 Research Thesis B
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		COMP2521 Data Structures and Algorithms		SOLA5057 Energy Efficiency		Disciplinary Elective		Strand Elective
	COMP1521 Computer Systems Fundamentals				COMP2511 Object-Oriented Design and Programming				Computing Elective
Term 3	DESN1000 Introduction to Engineering Design and Innovation	Term 3	MMAN2700 Thermodynamics	Term 3	COMP3900 Computer Science Project	Term 3	Strand Elective	Term 3	SOLA4953 Research Thesis C
	ELEC1111 Electrical Circuit Fundamentals		DESN2000 Engineering Design and Professional Practice		COMP4920 Professional Issues and Ethics in Information Technology		Computing Elective		Computing Elective
			ELEC2911 Power Engineering for Renewable Energy		Computing Elective		Disciplinary Elective		Computing Elective

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Contact The Nucleus: Student Hub for further assistance. CRICOS Provider Code 00098G

Engineering

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T2 Entry 2024 Sample Plan

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 2	**COMP1511** Programming Fundamentals	**Term 2**	**COMP1521** Computer Systems Fundamentals	**Term 2**	**SOLA2051** Project in Photovoltaics and Renewable Energy	**Term 2**	**SOLA5057** Energy Efficiency	**Term 2**	**SOLA4951** Research Thesis A
	MATH1131① Mathematics 1A		**SOLA1070** Sustainable Energy		**COMP2511** Object-Oriented Design and Programming		**SOLA4012** Photovoltaic Systems Design		**Strand Elective**
	PHYS1121② Physics 1A		**COMP2521** Data Structures and Algorithms		**Disciplinary Elective**		**Disciplinary Elective**		**Computing Elective**
Term 3	**DESN1000** Introduction to Engineering Design and Innovation	**Term 3**	**DESN2000** Engineering Design and Professional Practice	**Term 3**	**COMP4920** Professional Issues and Ethics in Information Technology	**Term 3**	**Strand Elective**	**Term 3**	**SOLA4952** Research Thesis B
	COMP1531 Software Engineering Fundamentals		**MATH2089** Numerical Methods and Statistics		**ELEC2911** Power Engineering for Renewable Energy		**Computing Elective**		**Strand Elective**
			MMAN2700 Thermodynamics						**Disciplinary Elective**
Term 1	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**Term 1**	**MATH2019** Engineering Mathematics 2E	**Term 1**	**COMP3121** Algorithm Design and Analysis OR **COMP3821** Extended Algorithm Design and Analysis	**Term 1**	**SOLA5050** Renewable Energy Policy	**Term 1**	**SOLA4953** Research Thesis C
	PHYS1221 Physics 1B OR **PHYS1231** Higher Physics 1B		**SOLA2540** Applied Photovoltaics		**COMP3900** Computer Science Project		**SOLA5053** Wind Energy Converters		**Computing Elective**
	ELEC1111 Electrical Circuit Fundamentals				**ELEC4122** Strategic Leadership and Ethics		**Computing Elective**		**Computing Elective**

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Bachelor of Engineering (Honours) / Computer Science (3785)

Renewable Energy Engineering (SOLABH) / Computer Science (COMPA1)
T3 Entry 2024 Sample Plan

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 3	COMP1511 Programming Fundamentals	**Term 3**	COMP1531 Software Engineering Fundamentals	**Term 3**	SOLA2540 Applied Photovoltaics	**Term 3**	Strand Elective	**Term 3**	SOLA4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		ELEC1111 Electrical Circuit Fundamentals		ELEC2911 Power Engineering for Renewable Energy		Disciplinary Elective		Stand Elective
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		DESN2000 Engineering Design and Professional Practice		Computing Elective		Computing Elective
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	**Term 1**	MATH2019 Engineering Mathematics 2E	**Term 1**	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	**Term 1**	ELEC4122 Strategic Leadership and Ethics	**Term 1**	SOLA4952 Research Thesis B
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		MMAN2700 Thermodynamics		Disciplinary Elective		SOLA5050 Renewable Energy Policy		Strand Elective
	COMP1521 Computer Systems Fundamentals		COMP2521 Data Structures and Algorithms				SOLA5053 Wind Energy Converters		Disciplinary Elective
Term 2	DESN1000 Introduction to Engineering Design and Innovation	**Term 2**	SOLA2051 Project in Photovoltaics and Renewable Energy	**Term 2**	COMP3900 Computer Science Project	**Term 2**	SOLA5057 Energy Efficiency	**Term 2**	SOLA4953 Research Thesis C
	SOLA1070 Sustainable Energy		COMP2511 Object-Oriented Design and Programming		COMP4920 Professional Issues and Ethics in Information Technology		Computing Elective		Computing Elective
					SOLA4012 Photovoltaic Systems Design				Computing Elective

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