

# Engineering

## Bachelor of Engineering (Honours) (3707)

### Renewable Energy Engineering (SOLABH)

## T1 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	<b>DESN1000</b> Engineering Design and Innovation	Term 1	<b>MMAN2700</b> Thermodynamics	Term 1	<b>SOLA5053</b> Wind Energy Converters	Term 1	<b>SOLA4951</b> Research Thesis A
	<b>MATH1131</b> Mathematics 1A <u>OR</u> <b>MATH1141</b> Higher Mathematics 1A		<b>MATH2089</b> Numerical Methods and Statistics		<b>SOLA5050</b> Renewable Energy Policy		<b>ELEC4122</b> Strategic Leadership and Ethics
	<b>PHYS1121</b> Physics 1A <u>OR</u> <b>PHYS1131</b> (Higher) Physics 1A		<b>MATH2019</b> Engineering Mathematics 2E <u>OR</u> <b>MATH2018</b> Engineering Mathematics 2D		<b>Strand Elective Course</b>		<b>Discipline Elective Course</b>
Term 2	<b>SOLA1070</b> Sustainable Energy	Term 2	<b>SOLA2051</b> Project in Photovoltaics and Renewable Energy	Term 2	<b>SOLA5057</b> Energy Efficiency	Term 2	<b>SOLA4952</b> Research Thesis B
	<b>ENGG1811</b> Computing for Engineers <u>OR</u> <b>COMP1511</b> Programming Fundamentals <u>OR</u> <b>COMP1911</b> Computing 1A		<b>General Education Course</b>		<b>Strand Elective Course</b>		<b>SOLA4012</b> Photovoltaic Systems Design
			<b>Strand Elective Course</b>		<b>Discipline Elective Course</b>		<b>General Education Course</b>
Term 3	<b>ELEC1111</b> Electrical Circuit Fundamentals	Term 3	<b>DESN2000</b> Engineering Design & Professional Practice	Term 3	<b>ELEC2911</b> Power Engineering for Renewable Energy	Term 3	<b>SOLA4953</b> Research Thesis C
	<b>PHYS1221</b> Physics 1B <u>OR</u> <b>PHYS1231</b> Higher Physics 1B		<b>SOLA2540</b> Applied Photovoltaics		<b>Discipline Elective Course</b>		<b>Free Elective Course</b>
	<b>MATH1231</b> Mathematics 1A						<b>Free Elective Course</b>

### 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 2024 Sample Plan



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

<b>NOTES</b>	<p>Compulsory Training Component: There is a program requirement of 60 days approved <a href="#">Industrial Training</a> ENGG4999</p> <p><b>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</b></p>
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# Engineering Bachelor of Engineering (Honours) (3707) Renewable Energy Engineering (SOLABH)

## T3 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	<b>DESN1000</b> Engineering Design and Innovation	Term 3	<b>DESN2000</b> Engineering Design & Professional Practice	Term 3	<b>ELEC2911</b> Power Engineering for Renewable Energy	Term 3	<b>SOLA4951</b> Research Thesis A
	<b>MATH1131</b> Mathematics 1A <u>OR</u> <b>MATH1141</b> Higher Mathematics 1A		<b>ENGG1811</b> Computing for Engineers <u>OR</u> <b>COMP1511</b> Programming		<b>Strand Elective Course</b>		<b>Discipline Elective Course</b>
	<b>PHYS1121</b> Physics 1 A <u>OR</u> <b>PHYS1131</b> Higher Physics 1A		<b>MATH2089</b> Numerical Methods and Statistics		<b>Discipline Elective Course</b>		<b>General Education Course</b>
Term 1	<b>ELEC1111</b> Electrical Circuit Fundamentals	Term 1	<b>SOLA2540</b> Applied Photovoltaics	Term 1	<b>SOLA5053</b> Wind Energy Converters	Term 1	<b>SOLA4952</b> Research Thesis B
	<b>MATH1231</b> Mathematics 1B <u>OR</u> <b>MATH1241</b> Higher Mathematics 1B		<b>MMAN2700</b> Thermodynamics		<b>SOLA5050</b> Renewable Energy Policy		<b>ELEC4122</b> Strategic Leadership and Ethics
	<b>PHYS1221</b> Physics 1B <u>OR</u> <b>PHYS1231</b> Higher Physics 1B		<b>MATH2019</b> Engineering Mathematics 2E <u>OR</u> <b>MATH2018</b> Engineering Mathematics 2D		<b>Strand Elective Course</b>		<b>Free Elective Course</b>
Term 2	<b>SOLA1070</b> Sustainable Energy	Term 2	<b>General Education Course</b>	Term 2	<b>SOLA5057</b> Energy Efficiency	Term 2	<b>SOLA4953</b> Research Thesis C
	<b>SOLA2051</b> Project in Photovoltaics & Renewable Energy		<b>Strand Elective Course</b>		<b>Discipline Elective Course</b>		<b>SOLA4012</b> Photovoltaic Systems Design
							<b>Free Elective Course</b>

### NOTES

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